Astrodienst Ephemeris Tables

from the year 1200 for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 1200
geocentric

JANUARY 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 6 35	17♑15'05	23♊11	0°R21	2♓25	3♐53	20♏ 7	2♓20	21°R 8	13♓27	26°R25	27°R 1	27♋36	22♋ 0	3°R48	S 1
S 2	7 10 32	18°16'09	5♋ 4	29♑49	3°32	4°34	20°17	2°26	21♋ 5	13°28	26♋23	27♋ 0	27°33	22° 7	3♉48	S 2
M 3	7 14 29	19°17'13	16°53	29° 5	4°40	5°16	20°26	2°32	21° 3	13°30	26°22	27° 0	27°30	22°13	3°48	M 3
T 4	7 18 25	20°18'16	28°40	28°12	5°47	5°58	20°36	2°38	21° 0	13°31	26°21	26°D59	27°26	22°20	3°48	T 4
W 5	7 22 22	21°19'18	10♌29	27°10	6°54	6°40	20°46	2°44	20°58	13°33	26°19	27° 0	27°23	22°27	3°47	W 5
T 6	7 26 18	22°20'19	22°20	26° 2	8° 1	7°22	20°55	2°51	20°55	13°34	26°18	27° 0	27°20	22°33	3°D47	T 6
F 7	7 30 15	23°21'20	4♍17	24°48	9° 8	8° 4	21° 4	2°57	20°52	13°36	26°16	27° 0	27°17	22°40	3°47	F 7
S 8	7 34 11	24°22'20	16°23	23°33	10°14	8°47	21°13	3° 3	20°50	13°38	26°15	27° 1	27°14	22°47	3°47	S 8
S 9	7 38 8	25°23'19	28°40	22°17	11°20	9°29	21°22	3°10	20°47	13°39	26°14	27° 1	27°11	22°53	3°48	S 9
M10	7 42 4	26°24'17	11♎13	21° 3	12°26	10°11	21°31	3°16	20°44	13°41	26°12	27° 1	27° 7	23° 0	3°48	M10
T 11	7 46 1	27°25'15	24° 4	19°53	13°32	10°53	21°40	3°22	20°42	13°42	26°11	27° 1	27° 4	23° 7	3°48	T 11
W12	7 49 58	28°26'11	7♏18	18°49	14°37	11°35	21°49	3°29	20°39	13°44	26°10	27° 1	27° 1	23°13	3°48	W12
T 13	7 53 54	29°27'08	20°57	17°52	15°42	12°17	21°57	3°35	20°37	13°46	26° 8	27° 1	26°58	23°20	3°49	T 13
F 14	7 57 51	0♒28'03	5♐ 2	17° 2	16°47	13° 0	22° 6	3°42	20°34	13°48	26° 7	27° 2	26°55	23°27	3°49	F 14
S 15	8 1 47	1°28'58	19°32	16°21	17°52	13°42	22°14	3°49	20°32	13°49	26° 5	27° 2	26°52	23°33	3°50	S 15
S 16	8 5 44	2°29'51	4♑23	15°48	18°56	14°24	22°22	3°55	20°29	13°51	26° 4	27° 2	26°48	23°40	3°50	S 16
M17	8 9 40	3°30'44	19°30	15°24	20° 0	15° 6	22°30	4° 2	20°26	13°53	26° 3	27°R 3	26°45	23°47	3°51	M17
T 18	8 13 37	4°31'36	4♒42	15° 8	21° 4	15°49	22°38	4° 9	20°24	13°55	26° 1	27° 3	26°42	23°53	3°52	T 18
W19	8 17 34	5°32'26	19°52	15° 0	22° 7	16°31	22°46	4°16	20°21	13°57	26° 0	27° 2	26°39	24° 0	3°52	W19
T 20	8 21 30	6°33'14	4♓49	15°D 0	23°10	17°14	22°54	4°23	20°19	13°59	25°59	27° 1	26°36	24° 6	3°53	T 20
F 21	8 25 27	7°34'02	19°25	15° 7	24°12	17°56	23° 1	4°29	20°16	14° 1	25°57	27° 0	26°32	24°13	3°54	F 21
S 22	8 29 23	8°34'47	3♈36	15°21	25°15	18°38	23° 9	4°36	20°14	14° 3	25°56	26°59	26°29	24°20	3°55	S 22
S 23	8 33 20	9°35'31	17°20	15°41	26°16	19°21	23°16	4°43	20°12	14° 4	25°55	26°57	26°26	24°26	3°56	S 23
M24	8 37 16	10°36'14	0♉36	16° 6	27°18	20° 3	23°23	4°50	20° 9	14° 6	25°53	26°57	26°23	24°33	3°57	M24
T 25	8 41 13	11°36'54	13°27	16°37	28°19	20°46	23°30	4°57	20° 7	14° 8	25°52	26°D56	26°20	24°40	3°58	T 25
W26	8 45 9	12°37'33	25°57	17°13	29°19	21°28	23°37	5° 4	20° 4	14°10	25°51	26°57	26°17	24°46	3°59	W26
T 27	8 49 6	13°38'10	8♊ 9	17°54	0♈20	22°11	23°43	5°11	20° 2	14°12	25°49	26°58	26°13	24°53	4° 1	T 27
F 28	8 53 2	14°38'46	20°10	18°38	1°19	22°54	23°50	5°19	20° 0	14°14	25°48	26°59	26°10	25° 0	4° 2	F 28
S 29	8 56 59	15°39'19	2♋ 1	19°26	2°18	23°36	23°56	5°26	19°57	14°16	25°47	27° 1	26° 7	25° 6	4° 3	S 29
S 30	9 0 56	16°39'51	13°49	20°18	3°17	24°19	24° 2	5°33	19°55	14°18	25°45	27° 2	26° 4	25°13	4° 5	S 30
M31	9 4 52	17♒40'21	25♋36	21♑13	4♈15	25♐ 2	24♏ 8	5♓40	19♋53	14♓21	25♋44	27°R 3	26♋ 1	25♋20	4♉ 6	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s25	20n25	2s57	18s32	1n40	11s38	1s 2	20s53	0n 8	16s55	0n58	12s22	1s48	22n24	0n32	7s39	1s13	26n 3	5n12	20n51	20n44	21n14	12n 6	0s48
S 2	22 17	21 28	1 59	18 21	1 58	11 10	0 58	21 2	0 7	16 58	0 58	12 20	1 48	22 24	0 32	7 39	1 13	26 4	5 12	20 51	20 44	21 14	12 5	0 48
M 3	22 9	21 33	0 56	18 13	2 16	10 41	0 54	21 10	0 6	17 0	0 58	12 17	1 48	22 25	0 32	7 38	1 13	26 4	5 12	20 51	20 45	21 14	12 5	0 48
T 4	22 0	20 40	0n 9	18 7	2 33	10 12	0 50	21 18	0 6	17 3	0 58	12 15	1 48	22 25	0 32	7 37	1 13	26 4	5 12	20 51	20 46	21 14	12 5	0 48
W 5	21 51	18 53	1 14	18 4	2 48	9 44	0 46	21 26	0 5	17 5	0 58	12 13	1 48	22 26	0 32	7 37	1 13	26 5	5 12	20 51	20 46	21 14	12 5	0 48
T 6	21 41	16 16	2 16	18 3	3 2	9 15	0 42	21 34	0 4	17 7	0 58	12 11	1 48	22 26	0 32	7 36	1 13	26 5	5 12	20 51	20 47	21 13	12 5	0 48
F 7	21 31	12 58	3 13	18 5	3 14	8 45	0 37	21 41	0 3	17 10	0 58	12 8	1 48	22 27	0 32	7 36	1 13	26 5	5 12	20 51	20 48	21 13	12 5	0 48
S 8	21 20	9 6	4 2	18 8	3 23	8 16	0 33	21 49	0 3	17 12	0 58	12 6	1 47	22 27	0 32	7 35	1 13	26 6	5 12	20 51	20 48	21 13	12 5	0 48
S 9	21 9	4 49	4 40	18 14	3 30	7 46	0 28	21 56	0 2	17 14	0 58	12 3	1 47	22 27	0 32	7 34	1 13	26 6	5 12	20 51	20 49	21 13	12 5	0 48
M10	20 58	0 14	5 6	18 21	3 35	7 17	0 23	22 3	0 1	17 17	0 59	12 1	1 47	22 28	0 32	7 34	1 13	26 7	5 12	20 51	20 49	21 12	12 5	0 48
T 11	20 46	4s27	5 18	18 29	3 37	6 47	0 18	22 10	0 0	17 19	0 59	11 59	1 47	22 28	0 32	7 33	1 13	26 7	5 12	20 51	20 50	21 12	12 5	0 48
W12	20 34	9 4	5 13	18 39	3 36	6 17	0 13	22 16	0s 0	17 21	0 59	11 56	1 47	22 29	0 32	7 32	1 13	26 7	5 13	20 51	20 51	21 12	12 5	0 48
T 13	20 21	13 23	4 51	18 49	3 34	5 47	0 8	22 23	0 1	17 23	0 59	11 54	1 47	22 29	0 32	7 32	1 13	26 8	5 13	20 51	20 51	21 12	12 5	0 48
F 14	20 8	17 7	4 11	18 59	3 29	5 17	0 3	22 29	0 2	17 25	0 59	11 51	1 47	22 29	0 32	7 31	1 12	26 8	5 13	20 51	20 52	21 11	12 5	0 48
S 15	19 55	19 54	3 14	19 10	3 23	4 47	0n 2	22 35	0 3	17 27	0 59	11 49	1 47	22 30	0 32	7 30	1 12	26 8	5 13	20 50	20 52	21 11	12 6	0 48
S 16	19 41	21 25	2 3	19 21	3 16	4 17	0 7	22 41	0 3	17 29	0 59	11 46	1 47	22 30	0 32	7 29	1 12	26 9	5 13	20 50	20 53	21 11	12 6	0 48
M17	19 27	21 26	0 42	19 33	3 7	3 47	0 13	22 46	0 4	17 31	0 59	11 44	1 47	22 31	0 32	7 29	1 12	26 9	5 13	20 50	20 54	21 11	12 6	0 48
T 18	19 13	19 51	0s42	19 44	2 58	3 17	0 19	22 52	0 5	17 33	0 59	11 41	1 47	22 31	0 32	7 28	1 12	26 9	5 13	20 50	20 54	21 10	12 6	0 48
W19	18 58	16 52	2 4	19 55	2 48	2 46	0 24	22 57	0 6	17 35	0 59	11 39	1 47	22 31	0 32	7 27	1 12	26 9	5 13	20 50	20 55	21 10	12 6	0 48
T 20	18 43	12 48	3 15	20 6	2 37	2 16	0 30	23 2	0 7	17 37	0 59	11 36	1 47	22 32	0 32	7 26	1 12	26 10	5 13	20 51	20 56	21 10	12 7	0 48
F 21	18 27	8 4	4 12	20 16	2 26	1 46	0 36	23 7	0 7	17 39	1 0	11 34	1 47	22 32	0 32	7 26	1 12	26 10	5 13	20 51	20 56	21 9	12 7	0 48
S 22	18 12	3 1	4 51	20 26	2 15	1 16	0 42	23 11	0 8	17 41	1 0	11 31	1 47	22 32	0 32	7 25	1 12	26 10	5 13	20 51	20 57	21 9	12 7	0 48
S 23	17 56	2n 1	5 13	20 35	2 3	0 45	0 48	23 16	0 9	17 42	1 0	11 29	1 47	22 33	0 32	7 24	1 12	26 11	5 13	20 51	20 57	21 9	12 7	0 48
M24	17 39	6 47	5 17	20 43	1 51	0 15	0 54	23 20	0 10	17 44	1 0	11 26	1 47	22 33	0 32	7 23	1 12	26 11	5 13	20 52	20 58	21 8	12 8	0 48
T 25	17 22	11 6	5 4	20 51	1 40	0n15	1 0	23 24	0 11	17 46	1 0	11 23	1 47	22 33	0 32	7 23	1 12	26 11	5 13	20 52	20 59	21 8	12 8	0 48
W26	17 5	14 49	4 38	20 58	1 28	0 45	1 6	23 27	0 11	17 47	1 0	11 21	1 47	22 34	0 32	7 22	1 12	26 12	5 13	20 51	20 59	21 8	12 9	0 48
T 27	16 48	17 50	3 59	21 4	1 17	1 15	1 13	23 31	0 12	17 49	1 0	11 18	1 47	22 34	0 32	7 21	1 12	26 12	5 13	20 51	21 0	21 8	12 9	0 49
F 28	16 31	20 1	3 10	21 10	1 5	1 44	1 19	23 34	0 13	17 50	1 0	11 15	1 47	22 35	0 32	7 20	1 12	26 12	5 13	20 51	21 0	21 7	12 9	0 49
S 29	16 13	21 17	2 14	21 14	0 54	2 14	1 26	23 37	0 14	17 52	1 0	11 13	1 47	22 35	0 32	7 20	1 12	26 12	5 13	20 51	21 1	21 7	12 10	0 49
S 30	15 55	21 37	1 13	21 17	0 43	2 44	1 33	23 40	0 15	17 53	1 0	11 10	1 47	22 35	0 32	7 19	1 12	26 13	5 13	20 50	21 2	21 7	12 10	0 49
M31	15s36	20n59	0s 8	21s19	0n33	3n13	1n39	23s43	0s16	17s55	1n 1	11s 7	1s47	22n35	0n32	7s18	1s12	26n13	5n13	20n50	21n 2	21n 6	12n11	0s49

Julian Day Number = 2159357.5, Delta T = 13m22s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'07, Lahiri = 12°42'08 Julian Calendar 1 Jan. 1200 == Greg. Calendar 8 Jan. 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

FEBRUARY 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 8 49	18♒40'50	7♌25	22♑11	5♈13	25♐44	24♏14	5♓47	19°R51	14♓23	25°R43	27°R 3	25♋58	25♋26	4♉ 8	T 1
W 2	9 12 45	19°41'17	19°18	23°11	6°10	26°27	24°20	5°55	19♋49	14°25	25♋42	27♋ 1	25°54	25°33	4° 9	W 2
T 3	9 16 42	20°41'42	1♍18	24°15	7° 7	27°10	24°26	6° 2	19°46	14°27	25°40	26°58	25°51	25°39	4°11	T 3
F 4	9 20 38	21°42'05	13°25	25°20	8° 3	27°52	24°31	6° 9	19°44	14°29	25°39	26°54	25°48	25°46	4°13	F 4
S 5	9 24 35	22°42'27	25°43	26°28	8°58	28°35	24°36	6°16	19°42	14°31	25°38	26°50	25°45	25°53	4°15	S 5
S 6	9 28 31	23°42'47	8♎12	27°38	9°53	29°18	24°42	6°24	19°40	14°33	25°37	26°45	25°42	25°59	4°16	S 6
M 7	9 32 28	24°43'05	20°53	28°50	10°47	0♑ 1	24°46	6°31	19°38	14°35	25°36	26°41	25°38	26° 6	4°18	M 7
T 8	9 36 25	25°43'23	3♏50	0♒ 3	11°41	0°44	24°51	6°38	19°36	14°38	25°34	26°38	25°35	26°13	4°20	T 8
W 9	9 40 21	26°43'38	17° 3	1°19	12°34	1°27	24°56	6°46	19°34	14°40	25°33	26°37	25°32	26°19	4°22	W 9
T 10	9 44 18	27°43'52	0♐35	2°36	13°26	2° 9	25° 0	6°53	19°32	14°42	25°32	26°D36	25°29	26°26	4°24	T 10
F 11	9 48 14	28°44'05	14°26	3°54	14°17	2°52	25° 5	7° 0	19°30	14°44	25°31	26°37	25°26	26°33	4°26	F 11
S 12	9 52 11	29°44'16	28°38	5°14	15° 8	3°35	25° 9	7° 8	19°29	14°46	25°30	26°38	25°23	26°39	4°28	S 12
S 13	9 56 7	0♓44'26	13♑ 9	6°36	15°58	4°18	25°13	7°15	19°27	14°49	25°29	26°40	25°19	26°46	4°31	S 13
M14	10 0 4	1°44'34	27°55	7°59	16°47	5° 1	25°16	7°23	19°25	14°51	25°28	26°R40	25°16	26°53	4°33	M14
T 15	10 4 0	2°44'40	12♒52	9°23	17°35	5°44	25°20	7°30	19°23	14°53	25°27	26°39	25°13	26°59	4°35	T 15
W16	10 7 57	3°44'44	27°51	10°49	18°22	6°27	25°23	7°37	19°22	14°55	25°26	26°37	25°10	27° 6	4°38	W16
T 17	10 11 54	4°44'47	12♓44	12°16	19° 9	7°10	25°27	7°45	19°20	14°58	25°25	26°32	25° 7	27°12	4°40	T 17
F 18	10 15 50	5°44'47	27°23	13°44	19°54	7°53	25°30	7°52	19°18	15° 0	25°24	26°26	25° 4	27°19	4°42	F 18
S 19	10 19 47	6°44'45	11♈40	15°13	20°39	8°37	25°33	8° 0	19°17	15° 2	25°23	26°20	25° 0	27°26	4°45	S 19
S 20	10 23 43	7°44'41	25°31	16°44	21°22	9°20	25°35	8° 7	19°15	15° 4	25°22	26°13	24°57	27°32	4°48	S 20
M21	10 27 40	8°44'35	8♉55	18°16	22° 4	10° 3	25°38	8°15	19°14	15° 7	25°21	26° 8	24°54	27°39	4°50	M21
T 22	10 31 36	9°44'27	21°52	19°49	22°46	10°46	25°40	8°22	19°13	15° 9	25°20	26° 4	24°51	27°46	4°53	T 22
W23	10 35 33	10°44'17	4♊25	21°23	23°26	11°29	25°42	8°30	19°11	15°11	25°19	26° 3	24°48	27°52	4°55	W23
T 24	10 39 29	11°44'04	16°39	22°59	24° 5	12°12	25°44	8°37	19°10	15°13	25°18	26°D 3	24°44	27°59	4°58	T 24
F 25	10 43 26	12°43'49	28°39	24°36	24°42	12°55	25°46	8°44	19° 9	15°16	25°17	26° 4	24°41	28° 6	5° 1	F 25
S 26	10 47 23	13°43'32	10♋30	26°14	25°19	13°39	25°48	8°52	19° 7	15°18	25°16	26° 5	24°38	28°12	5° 4	S 26
S 27	10 51 19	14°43'12	22°16	27°53	25°54	14°22	25°49	8°59	19° 6	15°20	25°15	26°R 6	24°35	28°19	5° 7	S 27
M28	10 55 16	15°42'50	4♌ 4	29°33	26°27	15° 5	25°50	9° 7	19° 5	15°22	25°15	26° 6	24°32	28°26	5°10	M28
T 29	10 59 12	16♓42'26	15♌56	1♓15	26♈59	15♑48	25♏51	9♓14	19♋ 4	15♓25	25♋14	26♋ 4	24♋29	28♋32	5♉13	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s17	19n25	0n57	21s21	0n22	3n42	1n46	23s45	0s17	17s56	1n 1	11s 5	1s47	22n36	0n32	7s17	1s12	26n13	5n13	20n50	21n 3	21n 6	12n11	0s49	T 1
W 2	14 59	17 0	2 0	21 20	0 12	4 11	1 53	23 47	0 17	17 57	1 1	11 2	1 47	22 36	0 32	7 16	1 12	26 13	5 13	20 51	21 3	21 5	12 12	0 49	W 2
T 3	14 39	13 50	2 58	21 19	0 2	4 40	2 0	23 49	0 18	17 58	1 1	10 59	1 47	22 36	0 32	7 15	1 12	26 14	5 13	20 51	21 4	21 5	12 12	0 49	T 3
F 4	14 20	10 3	3 48	21 17	0s 7	5 9	2 7	23 51	0 19	18 0	1 1	10 57	1 47	22 37	0 32	7 15	1 12	26 14	5 13	20 52	21 5	21 5	12 13	0 49	F 4
S 5	14 0	5 49	4 29	21 13	0 17	5 37	2 14	23 52	0 20	18 1	1 1	10 54	1 47	22 37	0 32	7 14	1 12	26 14	5 13	20 53	21 5	21 4	12 13	0 49	S 5
S 6	13 40	1 17	4 57	21 9	0 26	6 6	2 21	23 53	0 21	18 2	1 1	10 51	1 47	22 37	0 32	7 13	1 12	26 14	5 13	20 54	21 6	21 4	12 14	0 49	S 6
M 7	13 20	3s22	5 12	21 2	0 34	6 34	2 28	23 54	0 22	18 3	1 1	10 49	1 47	22 38	0 32	7 12	1 12	26 15	5 13	20 54	21 6	21 4	12 15	0 49	M 7
T 8	13 0	7 58	5 11	20 55	0 43	7 1	2 35	23 55	0 23	18 4	1 1	10 46	1 47	22 38	0 32	7 11	1 12	26 15	5 13	20 55	21 7	21 3	12 15	0 49	T 8
W 9	12 39	12 18	4 54	20 47	0 51	7 29	2 43	23 56	0 24	18 5	1 2	10 43	1 47	22 38	0 32	7 10	1 12	26 15	5 13	20 55	21 8	21 3	12 16	0 49	W 9
T 10	12 19	16 7	4 20	20 37	0 58	7 56	2 50	23 56	0 25	18 6	1 2	10 40	1 47	22 38	0 32	7 10	1 12	26 15	5 13	20 55	21 8	21 2	12 16	0 49	T 10
F 11	11 58	19 8	3 31	20 25	1 6	8 23	2 58	23 56	0 26	18 7	1 2	10 38	1 47	22 39	0 32	7 9	1 12	26 16	5 13	20 55	21 9	21 2	12 17	0 49	F 11
S 12	11 37	21 5	2 28	20 13	1 13	8 50	3 5	23 56	0 27	18 8	1 2	10 35	1 47	22 39	0 32	7 8	1 12	26 16	5 13	20 55	21 9	21 2	12 18	0 49	S 12
S 13	11 15	21 40	1 13	19 59	1 19	9 16	3 13	23 56	0 27	18 9	1 2	10 32	1 47	22 39	0 32	7 7	1 12	26 16	5 13	20 55	21 10	21 1	12 19	0 49	S 13
M14	10 54	20 47	0s 7	19 44	1 25	9 42	3 20	23 55	0 28	18 10	1 2	10 29	1 47	22 39	0 32	7 6	1 12	26 16	5 13	20 55	21 10	21 1	12 19	0 49	M14
T 15	10 32	18 25	1 27	19 27	1 31	10 7	3 28	23 54	0 29	18 10	1 2	10 27	1 47	22 40	0 32	7 5	1 12	26 16	5 13	20 55	21 11	21 0	12 20	0 49	T 15
W16	10 11	14 48	2 42	19 9	1 37	10 33	3 35	23 53	0 30	18 11	1 2	10 24	1 47	22 40	0 32	7 4	1 12	26 17	5 13	20 55	21 12	21 0	12 21	0 49	W16
T 17	9 49	10 16	3 45	18 50	1 42	10 58	3 43	23 52	0 31	18 12	1 2	10 21	1 47	22 40	0 32	7 3	1 12	26 17	5 13	20 56	21 12	21 0	12 22	0 49	T 17
F 18	9 27	5 12	4 32	18 29	1 47	11 22	3 51	23 51	0 32	18 12	1 3	10 18	1 47	22 40	0 32	7 3	1 12	26 17	5 13	20 57	21 13	20 59	12 22	0 49	F 18
S 19	9 4	0n 2	5 0	18 7	1 51	11 46	3 58	23 49	0 33	18 13	1 3	10 16	1 47	22 41	0 32	7 2	1 12	26 17	5 13	20 59	21 13	20 59	12 23	0 49	S 19
S 20	8 42	5 6	5 10	17 43	1 55	12 10	4 6	23 47	0 34	18 13	1 3	10 13	1 47	22 41	0 32	7 1	1 12	26 17	5 13	21 0	21 14	20 58	12 24	0 49	S 20
M21	8 20	9 45	5 3	17 18	1 59	12 33	4 14	23 45	0 35	18 14	1 3	10 10	1 47	22 41	0 32	7 0	1 12	26 17	5 13	21 1	21 14	20 58	12 25	0 49	M21
T 22	7 57	13 48	4 40	16 52	2 2	12 56	4 21	23 42	0 36	18 14	1 3	10 7	1 47	22 41	0 32	6 59	1 12	26 18	5 13	21 1	21 15	20 57	12 26	0 49	T 22
W23	7 34	17 7	4 4	16 24	2 5	13 18	4 29	23 40	0 37	18 15	1 3	10 5	1 47	22 41	0 32	6 58	1 12	26 18	5 13	21 2	21 16	20 57	12 27	0 49	W23
T 24	7 12	19 36	3 17	15 55	2 8	13 40	4 37	23 37	0 38	18 15	1 3	10 2	1 47	22 41	0 32	6 57	1 12	26 18	5 13	21 2	21 16	20 56	12 27	0 50	T 24
F 25	6 49	21 9	2 23	15 25	2 10	14 1	4 44	23 34	0 39	18 15	1 3	9 59	1 47	22 42	0 32	6 56	1 12	26 18	5 13	21 2	21 17	20 56	12 28	0 50	F 25
S 26	6 26	21 44	1 24	14 53	2 11	14 21	4 52	23 30	0 40	18 16	1 4	9 56	1 47	22 42	0 32	6 56	1 12	26 18	5 13	21 1	21 17	20 55	12 29	0 50	S 26
S 27	6 3	21 21	0 21	14 20	2 13	14 41	5 0	23 27	0 41	18 16	1 4	9 54	1 47	22 42	0 32	6 55	1 12	26 18	5 13	21 1	21 18	20 55	12 30	0 50	S 27
M28	5 39	20 1	0n43	13 45	2 13	15 1	5 7	23 23	0 42	18 16	1 4	9 51	1 48	22 42	0 32	6 54	1 12	26 18	5 13	21 1	21 18	20 54	12 31	0 50	M28
T 29	5s16	17n48	1n45	13s 9	2s14	15n20	5n15	23s19	0s43	18s16	1n 4	9s48	1s48	22n42	0n32	6s53	1s12	26n18	5n13	21n 2	21n19	20n54	12n32	0s50	T 29

Julian Day Number = 2159388.5, Delta T = 13m21s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'11, Lahiri = 12°42'12 Julian Calendar 1 Feb. 1200 == Greg. Calendar 8 Feb. 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

MARCH 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 3 9	17♓42'00	27♌55	2♓58	27♈30	16♑32	25♏52	9♓21	19°R 3	15♓27	25°R13	25°R59	24♋25	28♋39	5♉15	W 1
T 2	11 7 5	18°41'31	10♍ 6	4°42	27°59	17°15	25°53	9°29	19♋ 2	15°29	25♋12	25♋52	24°22	28°46	5°19	T 2
F 3	11 11 2	19°41'01	22°28	6°27	28°26	17°58	25°53	9°36	19° 1	15°32	25°12	25°43	24°19	28°52	5°22	F 3
S 4	11 14 58	20°40'28	5♎ 2	8°14	28°52	18°41	25°54	9°44	19° 0	15°34	25°11	25°34	24°16	28°59	5°25	S 4
S 5	11 18 55	21°39'53	17°50	10° 2	29°16	19°25	25°R54	9°51	19° 0	15°36	25°10	25°23	24°13	29° 5	5°28	S 5
M 6	11 22 51	22°39'17	0♏49	11°51	29°38	20° 8	25°54	9°58	18°59	15°38	25°10	25°14	24° 9	29°12	5°31	M 6
T 7	11 26 48	23°38'38	14° 1	13°42	29°58	20°51	25°53	10° 6	18°58	15°41	25° 9	25° 6	24° 6	29°19	5°34	T 7
W 8	11 30 45	24°37'58	27°25	15°34	0♉16	21°35	25°53	10°13	18°57	15°43	25° 8	25° 0	24° 3	29°25	5°38	W 8
T 9	11 34 41	25°37'16	11♐ 1	17°27	0°33	22°18	25°52	10°20	18°57	15°45	25° 8	24°57	24° 0	29°32	5°41	T 9
F 10	11 38 38	26°36'32	24°49	19°21	0°47	23° 2	25°51	10°27	18°56	15°47	25° 7	24°D56	23°57	29°39	5°44	F 10
S 11	11 42 34	27°35'46	8♑50	21°17	0°59	23°45	25°50	10°35	18°56	15°50	25° 7	24°56	23°54	29°45	5°47	S 11
S 12	11 46 31	28°34'59	23° 4	23°15	1° 9	24°28	25°49	10°42	18°55	15°52	25° 6	24°R57	23°50	29°52	5°51	S 12
M13	11 50 27	29°34'10	7♒28	25°13	1°17	25°12	25°48	10°49	18°55	15°54	25° 6	24°56	23°47	29°59	5°54	M13
T 14	11 54 24	0♈33'19	22° 0	27°13	1°22	25°55	25°46	10°56	18°55	15°56	25° 5	24°54	23°44	0♌ 5	5°58	T 14
W15	11 58 20	1°32'26	6♓36	29°13	1°26	26°39	25°44	11° 3	18°54	15°58	25° 5	24°48	23°41	0°12	6° 1	W15
T 16	12 2 17	2°31'31	21° 9	1♈15	1°R26	27°22	25°42	11°10	18°54	16° 1	25° 4	24°40	23°38	0°19	6° 5	T 16
F 17	12 6 14	3°30'34	5♈33	3°18	1°25	28° 6	25°40	11°18	18°54	16° 3	25° 4	24°30	23°35	0°25	6° 8	F 17
S 18	12 10 10	4°29'35	19°41	5°22	1°21	28°49	25°38	11°25	18°54	16° 5	25° 4	24°19	23°31	0°32	6°12	S 18
S 19	12 14 7	5°28'33	3♉28	7°26	1°14	29°32	25°35	11°32	18°54	16° 7	25° 3	24° 8	23°28	0°38	6°16	S 19
M20	12 18 3	6°27'30	16°50	9°31	1° 6	0♒16	25°33	11°39	18°D54	16° 9	25° 3	23°58	23°25	0°45	6°19	M20
T 21	12 22 0	7°26'24	29°49	11°37	0°54	0°59	25°30	11°46	18°54	16°12	25° 3	23°51	23°22	0°52	6°23	T 21
W22	12 25 56	8°25'17	12♊25	13°42	0°40	1°43	25°27	11°53	18°54	16°14	25° 2	23°45	23°19	0°58	6°27	W22
T 23	12 29 53	9°24'06	24°41	15°47	0°24	2°26	25°24	12° 0	18°54	16°16	25° 2	23°43	23°15	1° 5	6°30	T 23
F 24	12 33 49	10°22'54	6♋42	17°52	0° 5	3°10	25°20	12° 6	18°54	16°18	25° 2	23°D42	23°12	1°12	6°34	F 24
S 25	12 37 46	11°21'39	18°34	19°57	29♈44	3°53	25°17	12°13	18°54	16°20	25° 2	23°R42	23° 9	1°18	6°38	S 25
S 26	12 41 43	12°20'22	0♌21	22° 0	29°21	4°37	25°13	12°20	18°55	16°22	25° 2	23°42	23° 6	1°25	6°41	S 26
M27	12 45 39	13°19'03	12°10	24° 2	28°55	5°20	25° 9	12°27	18°55	16°24	25° 2	23°41	23° 3	1°32	6°45	M27
T 28	12 49 36	14°17'42	24° 6	26° 2	28°28	6° 4	25° 5	12°34	18°55	16°26	25° 1	23°37	23° 0	1°38	6°49	T 28
W29	12 53 32	15°16'18	6♍12	28° 0	27°58	6°47	25° 1	12°40	18°56	16°28	25° 1	23°31	22°56	1°45	6°53	W29
T 30	12 57 29	16°14'52	18°32	29°56	27°27	7°30	24°56	12°47	18°56	16°30	25° 1	23°23	22°53	1°52	6°57	T 30
F 31	13 1 25	17♈13'24	1♎ 7	1♉49	26♈54	8♒14	24♏52	12♓53	18♋57	16♓32	25°D 1	23♋12	22♋50	1♌58	7♉ 1	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s53	14n47	2n43	12s32	2s13	15n38	5n22	23s15	0s44	18s16	1n 4	9s45	1s48	22n42	0n32	6s52	1s12	26n19	5n13	21n 3	21n20	20n53	12n33	0s50
T 2	4 30	11 7	3 34	11 53	2 13	15 55	5 30	23 10	0 45	18 16	1 4	9 43	1 48	22 42	0 32	6 51	1 12	26 19	5 13	21 4	21 20	20 53	12 34	0 50
F 3	4 6	6 55	4 16	11 13	2 12	16 12	5 37	23 6	0 46	18 16	1 4	9 40	1 48	22 43	0 32	6 50	1 12	26 19	5 13	21 5	21 21	20 52	12 35	0 50
S 4	3 43	2 22	4 46	10 32	2 10	16 28	5 44	23 1	0 47	18 16	1 4	9 37	1 48	22 43	0 32	6 49	1 12	26 19	5 13	21 7	21 21	20 52	12 36	0 50
S 5	3 19	2s22	5 3	9 49	2 8	16 43	5 51	22 56	0 48	18 16	1 4	9 34	1 48	22 43	0 32	6 49	1 12	26 19	5 13	21 9	21 22	20 51	12 37	0 50
M 6	2 56	7 4	5 4	9 5	2 5	16 58	5 58	22 50	0 49	18 16	1 5	9 32	1 48	22 43	0 32	6 48	1 12	26 19	5 13	21 11	21 22	20 51	12 38	0 50
T 7	2 32	11 31	4 49	8 19	2 2	17 11	6 5	22 45	0 50	18 16	1 5	9 29	1 48	22 43	0 32	6 47	1 12	26 19	5 13	21 12	21 23	20 50	12 39	0 50
W 8	2 8	15 29	4 18	7 32	1 59	17 24	6 12	22 39	0 51	18 16	1 5	9 26	1 48	22 43	0 32	6 46	1 12	26 19	5 13	21 13	21 24	20 50	12 40	0 50
T 9	1 45	18 41	3 32	6 44	1 55	17 36	6 18	22 33	0 52	18 15	1 5	9 24	1 48	22 43	0 32	6 45	1 12	26 19	5 13	21 14	21 24	20 49	12 41	0 50
F 10	1 21	20 53	2 34	5 55	1 50	17 47	6 24	22 27	0 54	18 15	1 5	9 21	1 48	22 43	0 32	6 44	1 12	26 19	5 13	21 14	21 25	20 49	12 42	0 50
S 11	0 58	21 50	1 25	5 4	1 45	17 57	6 30	22 20	0 55	18 15	1 5	9 18	1 49	22 43	0 32	6 43	1 12	26 19	5 12	21 14	21 25	20 48	12 43	0 50
S 12	0 34	21 24	0 10	4 13	1 39	18 6	6 36	22 14	0 56	18 14	1 5	9 16	1 49	22 43	0 32	6 43	1 12	26 19	5 12	21 14	21 26	20 48	12 44	0 50
M13	0 10	19 33	1s 6	3 20	1 33	18 14	6 42	22 7	0 57	18 14	1 5	9 13	1 49	22 43	0 32	6 42	1 12	26 19	5 12	21 14	21 26	20 47	12 45	0 50
T 14	0n13	16 25	2 19	2 26	1 26	18 21	6 47	22 0	0 58	18 14	1 5	9 10	1 49	22 43	0 31	6 41	1 12	26 19	5 12	21 15	21 27	20 47	12 46	0 50
W15	0 37	12 16	3 23	1 31	1 19	18 26	6 52	21 53	0 59	18 13	1 5	9 8	1 49	22 43	0 31	6 40	1 12	26 19	5 12	21 15	21 27	20 46	12 48	0 50
T 16	1 0	7 24	4 13	0 35	1 11	18 31	6 56	21 45	1 0	18 12	1 5	9 5	1 49	22 43	0 31	6 39	1 12	26 19	5 12	21 17	21 28	20 45	12 49	0 50
F 17	1 24	2 10	4 46	0n22	1 3	18 34	7 0	21 38	1 1	18 12	1 6	9 2	1 49	22 43	0 31	6 38	1 12	26 19	5 12	21 19	21 28	20 45	12 50	0 51
S 18	1 48	3n 5	5 1	1 19	0 54	18 36	7 4	21 30	1 2	18 11	1 6	9 0	1 49	22 43	0 31	6 37	1 12	26 19	5 12	21 21	21 29	20 44	12 51	0 51
S 19	2 11	8 2	4 58	2 17	0 45	18 37	7 7	21 22	1 3	18 11	1 6	8 57	1 49	22 43	0 31	6 37	1 12	26 19	5 12	21 23	21 30	20 44	12 52	0 51
M20	2 34	12 29	4 39	3 15	0 35	18 36	7 10	21 14	1 4	18 10	1 6	8 55	1 49	22 43	0 31	6 36	1 12	26 19	5 12	21 24	21 30	20 43	12 53	0 51
T 21	2 58	16 12	4 6	4 14	0 25	18 34	7 12	21 5	1 5	18 9	1 6	8 52	1 50	22 43	0 31	6 35	1 13	26 19	5 12	21 26	21 31	20 43	12 54	0 51
W22	3 21	19 4	3 21	5 12	0 15	18 31	7 14	20 57	1 7	18 8	1 6	8 50	1 50	22 43	0 31	6 34	1 13	26 19	5 12	21 27	21 31	20 42	12 56	0 51
T 23	3 44	20 58	2 28	6 11	0 4	18 26	7 15	20 48	1 8	18 7	1 6	8 47	1 50	22 43	0 31	6 33	1 13	26 19	5 12	21 27	21 32	20 41	12 57	0 51
F 24	4 8	21 53	1 29	7 9	0n 7	18 19	7 15	20 39	1 9	18 7	1 6	8 45	1 50	22 43	0 31	6 33	1 13	26 19	5 12	21 27	21 32	20 41	12 58	0 51
S 25	4 31	21 48	0 27	8 7	0 18	18 12	7 15	20 30	1 10	18 6	1 6	8 42	1 50	22 43	0 31	6 32	1 13	26 19	5 12	21 27	21 33	20 40	12 59	0 51
S 26	4 54	20 44	0n35	9 3	0 29	18 2	7 14	20 20	1 11	18 5	1 6	8 40	1 50	22 43	0 31	6 31	1 13	26 19	5 12	21 27	21 33	20 39	13 0	0 51
M27	5 17	18 46	1 36	9 59	0 40	17 51	7 12	20 11	1 12	18 4	1 6	8 37	1 50	22 43	0 31	6 30	1 13	26 19	5 12	21 27	21 34	20 39	13 1	0 51
T 28	5 40	15 58	2 34	10 54	0 52	17 39	7 10	20 1	1 13	18 3	1 6	8 35	1 51	22 43	0 31	6 29	1 13	26 19	5 11	21 28	21 34	20 38	13 3	0 51
W29	6 2	12 27	3 25	11 47	1 3	17 25	7 7	19 51	1 14	18 2	1 6	8 32	1 51	22 43	0 31	6 29	1 13	26 19	5 11	21 29	21 35	20 38	13 4	0 51
T 30	6 25	8 21	4 7	12 38	1 13	17 10	7 3	19 41	1 16	18 0	1 7	8 30	1 51	22 43	0 31	6 28	1 13	26 19	5 11	21 31	21 35	20 37	13 5	0 51
F 31	6n48	3n49	4n39	13n28	1n24	16n54	6n58	19s31	1s17	17s59	1n 7	8s27	1s51	22n43	0n31	6s27	1s13	26n19	5n11	21n32	21n36	20n36	13n 6	0s51

Julian Day Number = 2159417.5, Delta T = 13m21s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'15, Lahiri = 12°42'16 Julian Calendar 1 March 1200 == Greg. Calendar 8 March 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

APRIL 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 5 22	18♈11'54	14♎ 0	3♉39	26°R19	8♒57	24°R47	13♓ 0	18♋58	16♓34	25♋ 1	22°R59	22♋47	2♌ 5	7♉ 5	S 1
S 2	13 9 18	19°10'22	27° 8	5°26	25♈44	9°41	24♏42	13° 7	18°58	16°36	25° 1	22♋46	22°44	2°12	7° 8	S 2
M 3	13 13 15	20° 8'48	10♏31	7° 9	25° 7	10°24	24°37	13°13	18°59	16°38	25° 1	22°34	22°40	2°18	7°12	M 3
T 4	13 17 11	21° 7'13	24° 6	8°49	24°30	11° 8	24°32	13°19	19° 0	16°40	25° 2	22°24	22°37	2°25	7°16	T 4
W 5	13 21 8	22° 5'36	7♐50	10°24	23°52	11°51	24°27	13°26	19° 1	16°42	25° 2	22°16	22°34	2°31	7°20	W 5
T 6	13 25 5	23° 3'57	21°43	11°56	23°14	12°35	24°22	13°32	19° 2	16°44	25° 2	22°12	22°31	2°38	7°24	T 6
F 7	13 29 1	24° 2'16	5♑40	13°24	22°37	13°18	24°16	13°38	19° 2	16°46	25° 2	22°10	22°28	2°45	7°28	F 7
S 8	13 32 58	25° 0'34	19°43	14°47	21°59	14° 1	24°10	13°45	19° 3	16°48	25° 2	22° 9	22°25	2°51	7°32	S 8
S 9	13 36 54	25°58'51	3♒49	16° 5	21°22	14°45	24° 4	13°51	19° 4	16°50	25° 2	22° 9	22°21	2°58	7°36	S 9
M10	13 40 51	26°57'06	17°59	17°19	20°45	15°28	23°58	13°57	19° 6	16°52	25° 3	22° 8	22°18	3° 5	7°40	M10
T 11	13 44 47	27°55'19	2♓10	18°29	20°10	16°12	23°52	14° 3	19° 7	16°54	25° 3	22° 5	22°15	3°11	7°44	T 11
W12	13 48 44	28°53'31	16°21	19°33	19°36	16°55	23°46	14° 9	19° 8	16°55	25° 3	21°59	22°12	3°18	7°48	W12
T 13	13 52 40	29°51'41	0♈28	20°33	19° 3	17°38	23°40	14°15	19° 9	16°57	25° 4	21°51	22° 9	3°25	7°52	T 13
F 14	13 56 37	0♉49'50	14°27	21°28	18°32	18°22	23°33	14°21	19°10	16°59	25° 4	21°40	22° 6	3°31	7°56	F 14
S 15	14 0 34	1°47'57	28°14	22°18	18° 2	19° 5	23°27	14°27	19°12	17° 1	25° 4	21°28	22° 2	3°38	8° 1	S 15
S 16	14 4 30	2°46'02	11♉44	23° 3	17°34	19°48	23°20	14°33	19°13	17° 2	25° 5	21°16	21°59	3°45	8° 5	S 16
M17	14 8 27	3°44'06	24°55	23°43	17° 9	20°31	23°14	14°38	19°15	17° 4	25° 5	21° 5	21°56	3°51	8° 9	M17
T 18	14 12 23	4°42'08	7♊46	24°18	16°45	21°15	23° 7	14°44	19°16	17° 6	25° 6	20°56	21°53	3°58	8°13	T 18
W19	14 16 20	5°40'08	20°17	24°48	16°24	21°58	23° 0	14°50	19°18	17° 7	25° 6	20°50	21°50	4° 5	8°17	W19
T 20	14 20 16	6°38'06	2♋32	25°12	16° 5	22°41	22°53	14°55	19°19	17° 9	25° 7	20°47	21°46	4°11	8°21	T 20
F 21	14 24 13	7°36'03	14°33	25°32	15°48	23°24	22°46	15° 1	19°21	17°11	25° 7	20°45	21°43	4°18	8°25	F 21
S 22	14 28 9	8°33'58	26°25	25°46	15°34	24° 7	22°39	15° 6	19°23	17°12	25° 8	20°D45	21°40	4°24	8°29	S 22
S 23	14 32 6	9°31'50	8♌14	25°55	15°22	24°50	22°31	15°12	19°24	17°14	25° 8	20°R45	21°37	4°31	8°33	S 23
M24	14 36 3	10°29'41	20° 4	25°R59	15°13	25°33	22°24	15°17	19°26	17°15	25° 9	20°45	21°34	4°38	8°37	M24
T 25	14 39 59	11°27'31	2♍ 2	25°58	15° 5	26°16	22°17	15°22	19°28	17°17	25°10	20°43	21°31	4°44	8°41	T 25
W26	14 43 56	12°25'18	14°11	25°53	15° 1	26°59	22° 9	15°27	19°30	17°18	25°10	20°39	21°27	4°51	8°45	W26
T 27	14 47 52	13°23'04	26°37	25°43	14°D58	27°42	22° 2	15°32	19°32	17°20	25°11	20°32	21°24	4°58	8°49	T 27
F 28	14 51 49	14°20'48	9♎21	25°28	14°59	28°25	21°55	15°37	19°34	17°21	25°12	20°24	21°21	5° 4	8°54	F 28
S 29	14 55 45	15°18'31	22°27	25°10	15° 1	29° 8	21°47	15°42	19°36	17°23	25°12	20°13	21°18	5°11	8°58	S 29
S 30	14 59 42	16♉16'12	5♏53	24♉47	15♈ 6	29♒51	21♏39	15♓47	19♋38	17♓24	25♋13	20♋ 3	21♋15	5♌18	9♉ 2	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n10	0s59	4n57	14n16	1n34	16n36	6n53	19s21	1s18	17s58	1n 7	8s25	1s51	22n42	0n31	6s26	1s13	26n19	5n11	21n34	21n37	20n36	13n 8	0s51
S 2	7 32	5 50	4 59	15 1	1 44	16 17	6 46	19 10	1 19	17 57	1 7	8 22	1 51	22 42	0 31	6 26	1 13	26 19	5 11	21 37	21 37	20 35	13 9	0 51
M 3	7 54	10 31	4 46	15 44	1 53	15 56	6 39	19 0	1 20	17 56	1 7	8 20	1 51	22 42	0 31	6 25	1 13	26 19	5 11	21 39	21 38	20 34	13 10	0 51
T 4	8 16	14 44	4 16	16 25	2 2	15 35	6 31	18 49	1 21	17 54	1 7	8 18	1 52	22 42	0 31	6 24	1 13	26 19	5 11	21 40	21 38	20 34	13 11	0 52
W 5	8 38	18 14	3 31	17 3	2 10	15 13	6 22	18 38	1 22	17 53	1 7	8 15	1 52	22 42	0 31	6 23	1 13	26 19	5 11	21 42	21 39	20 33	13 12	0 52
T 6	9 0	20 44	2 34	17 39	2 17	14 50	6 13	18 26	1 24	17 52	1 7	8 13	1 52	22 42	0 31	6 23	1 13	26 19	5 11	21 42	21 39	20 32	13 14	0 52
F 7	9 22	21 59	1 26	18 12	2 23	14 26	6 3	18 15	1 25	17 50	1 7	8 11	1 52	22 42	0 31	6 22	1 13	26 18	5 11	21 43	21 40	20 32	13 15	0 52
S 8	9 43	21 52	0 13	18 43	2 29	14 2	5 52	18 4	1 26	17 49	1 7	8 9	1 52	22 42	0 31	6 21	1 13	26 18	5 11	21 43	21 40	20 31	13 16	0 52
S 9	10 5	20 22	1s 1	19 10	2 34	13 37	5 40	17 52	1 27	17 47	1 7	8 6	1 52	22 41	0 31	6 20	1 13	26 18	5 11	21 43	21 41	20 30	13 17	0 52
M10	10 26	17 36	2 12	19 36	2 38	13 12	5 28	17 40	1 28	17 46	1 7	8 4	1 53	22 41	0 31	6 20	1 13	26 18	5 11	21 43	21 41	20 29	13 19	0 52
T 11	10 47	13 46	3 15	19 58	2 41	12 47	5 16	17 28	1 29	17 44	1 7	8 2	1 53	22 41	0 31	6 19	1 13	26 18	5 11	21 43	21 42	20 29	13 20	0 52
W12	11 8	9 10	4 5	20 18	2 43	12 22	5 3	17 16	1 30	17 43	1 7	8 0	1 53	22 41	0 31	6 18	1 13	26 18	5 10	21 44	21 42	20 28	13 21	0 52
T 13	11 28	4 6	4 40	20 36	2 44	11 57	4 50	17 4	1 32	17 41	1 7	7 58	1 53	22 41	0 31	6 18	1 13	26 18	5 10	21 46	21 43	20 27	13 22	0 52
F 14	11 49	1n 8	4 58	20 51	2 44	11 32	4 36	16 52	1 33	17 40	1 7	7 55	1 53	22 40	0 31	6 17	1 13	26 18	5 10	21 47	21 43	20 27	13 24	0 52
S 15	12 9	6 14	4 59	21 3	2 43	11 8	4 22	16 39	1 34	17 38	1 7	7 53	1 53	22 40	0 31	6 16	1 13	26 17	5 10	21 49	21 44	20 26	13 25	0 52
S 16	12 29	10 56	4 42	21 13	2 41	10 45	4 8	16 27	1 35	17 36	1 7	7 51	1 54	22 40	0 31	6 16	1 13	26 17	5 10	21 51	21 44	20 25	13 26	0 52
M17	12 49	15 1	4 11	21 20	2 38	10 22	3 54	16 14	1 36	17 35	1 7	7 49	1 54	22 40	0 31	6 15	1 13	26 17	5 10	21 53	21 45	20 24	13 27	0 52
T 18	13 9	18 18	3 27	21 24	2 34	9 59	3 40	16 1	1 37	17 33	1 7	7 47	1 54	22 40	0 31	6 15	1 13	26 17	5 10	21 54	21 45	20 24	13 29	0 53
W19	13 28	20 37	2 34	21 27	2 28	9 38	3 25	15 48	1 39	17 31	1 7	7 45	1 54	22 39	0 31	6 14	1 13	26 17	5 10	21 55	21 46	20 23	13 30	0 53
T 20	13 47	21 56	1 35	21 27	2 22	9 17	3 11	15 35	1 40	17 30	1 7	7 43	1 54	22 39	0 31	6 13	1 13	26 17	5 10	21 56	21 46	20 22	13 31	0 53
F 21	14 6	22 12	0 33	21 24	2 14	8 58	2 57	15 22	1 41	17 28	1 7	7 41	1 55	22 39	0 31	6 13	1 13	26 17	5 10	21 56	21 47	20 21	13 32	0 53
S 22	14 25	21 27	0n30	21 19	2 6	8 39	2 43	15 8	1 42	17 26	1 7	7 39	1 55	22 39	0 31	6 12	1 14	26 16	5 10	21 56	21 47	20 21	13 34	0 53
S 23	14 44	19 46	1 32	21 12	1 56	8 22	2 29	14 55	1 43	17 24	1 7	7 37	1 55	22 38	0 31	6 12	1 14	26 16	5 10	21 56	21 48	20 20	13 35	0 53
M24	15 2	17 13	2 29	21 2	1 45	8 6	2 15	14 42	1 44	17 22	1 7	7 36	1 55	22 38	0 31	6 11	1 14	26 16	5 10	21 56	21 48	20 19	13 36	0 53
T 25	15 20	13 56	3 21	20 50	1 33	7 50	2 2	14 28	1 46	17 21	1 7	7 34	1 55	22 38	0 31	6 10	1 14	26 16	5 10	21 56	21 49	20 18	13 37	0 53
W26	15 38	10 1	4 5	20 36	1 20	7 36	1 48	14 14	1 47	17 19	1 7	7 32	1 56	22 37	0 31	6 10	1 14	26 16	5 10	21 57	21 49	20 18	13 38	0 53
T 27	15 55	5 36	4 38	20 21	1 6	7 23	1 35	14 0	1 48	17 17	1 7	7 30	1 56	22 37	0 31	6 9	1 14	26 15	5 9	21 58	21 50	20 17	13 40	0 53
F 28	16 13	0 50	4 58	20 3	0 52	7 12	1 23	13 47	1 49	17 15	1 6	7 28	1 56	22 37	0 31	6 9	1 14	26 15	5 9	21 59	21 50	20 16	13 41	0 53
S 29	16 30	4s 5	5 3	19 43	0 36	7 1	1 10	13 33	1 50	17 13	1 6	7 27	1 56	22 36	0 31	6 8	1 14	26 15	5 9	22 1	21 51	20 15	13 42	0 53
S 30	16n47	8s57	4n52	19n22	0n20	6n51	0n58	13s18	1s51	17s11	1n 6	7s25	1s56	22n36	0n31	6s 8	1s14	26n15	5n 9	22n 2	21n51	20n14	13n43	0s53

Julian Day Number = 2159448.5, Delta T = 13m21s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'20, Lahiri = 12°42'20 Julian Calendar 1 Apr. 1200 == Greg. Calendar 8 Apr. 1200

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1200
geocentric

MAY 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 3 38	17♉13'51	19♏37	24°R22	15♈13	0♓34	21°R32	15♓52	19♋40	17♓26	25♋14	19°R53	21♋12	5♌24	9♉ 6	M 1
T 2	15 7 35	18°11'30	3♐37	23♉54	15°22	1°17	21♏24	15°57	19°42	17°27	25°15	19♋44	21° 8	5°31	9°10	T 2
W 3	15 11 32	19° 9'07	17°47	23°23	15°33	1°59	21°17	16° 1	19°44	17°28	25°15	19°38	21° 5	5°38	9°14	W 3
T 4	15 15 28	20° 6'43	2♑ 3	22°51	15°46	2°42	21° 9	16° 6	19°46	17°29	25°16	19°35	21° 2	5°44	9°18	T 4
F 5	15 19 25	21° 4'19	16°21	22°17	16° 2	3°25	21° 1	16°11	19°49	17°31	25°17	19°D34	20°59	5°51	9°22	F 5
S 6	15 23 21	22° 1'53	0♒37	21°43	16°19	4° 7	20°54	16°15	19°51	17°32	25°18	19°34	20°56	5°58	9°26	S 6
S 7	15 27 18	22°59'26	14°50	21° 9	16°38	4°50	20°46	16°19	19°53	17°33	25°19	19°35	20°52	6° 4	9°30	S 7
M 8	15 31 14	23°56'58	28°57	20°36	16°59	5°33	20°39	16°24	19°56	17°34	25°20	19°R35	20°49	6°11	9°34	M 8
T 9	15 35 11	24°54'29	12♓57	20° 3	17°22	6°15	20°31	16°28	19°58	17°35	25°21	19°33	20°46	6°17	9°38	T 9
W10	15 39 7	25°52'00	26°50	19°33	17°46	6°57	20°23	16°32	20° 1	17°37	25°22	19°30	20°43	6°24	9°42	W10
T 11	15 43 4	26°49'30	10♈34	19° 4	18°12	7°40	20°16	16°36	20° 3	17°38	25°23	19°24	20°40	6°31	9°46	T 11
F 12	15 47 1	27°46'58	24° 7	18°38	18°40	8°22	20° 8	16°40	20° 6	17°39	25°24	19°17	20°37	6°37	9°50	F 12
S 13	15 50 57	28°44'26	7♉28	18°16	19° 9	9° 4	20° 1	16°44	20° 8	17°40	25°25	19° 8	20°33	6°44	9°54	S 13
S 14	15 54 54	29°41'54	20°35	17°57	19°40	9°47	19°53	16°48	20°11	17°41	25°26	19° 0	20°30	6°51	9°58	S 14
M15	15 58 50	0♊39'20	3♊27	17°41	20°12	10°29	19°46	16°51	20°14	17°42	25°27	18°52	20°27	6°57	10° 2	M15
T 16	16 2 47	1°36'45	16° 4	17°29	20°45	11°11	19°38	16°55	20°16	17°43	25°28	18°46	20°24	7° 4	10° 5	T 16
W17	16 6 43	2°34'09	28°26	17°22	21°20	11°53	19°31	16°59	20°19	17°43	25°29	18°42	20°21	7°11	10° 9	W17
T 18	16 10 40	3°31'33	10♋34	17°D19	21°56	12°35	19°24	17° 2	20°22	17°44	25°31	18°40	20°18	7°17	10°13	T 18
F 19	16 14 36	4°28'55	22°32	17°20	22°33	13°16	19°17	17° 5	20°25	17°45	25°32	18°D40	20°14	7°24	10°17	F 19
S 20	16 18 33	5°26'16	4♌23	17°26	23°11	13°58	19°10	17° 9	20°27	17°46	25°33	18°40	20°11	7°31	10°21	S 20
S 21	16 22 30	6°23'37	16°11	17°37	23°50	14°40	19° 3	17°12	20°30	17°47	25°34	18°42	20° 8	7°37	10°25	S 21
M22	16 26 26	7°20'56	28° 2	17°51	24°31	15°21	18°56	17°15	20°33	17°48	25°35	18°43	20° 5	7°44	10°28	M22
T 23	16 30 23	8°18'14	9♍59	18°11	25°12	16° 3	18°49	17°18	20°36	17°48	25°37	18°R44	20° 2	7°51	10°32	T 23
W24	16 34 19	9°15'31	22° 9	18°35	25°54	16°44	18°42	17°21	20°39	17°49	25°38	18°43	19°58	7°57	10°36	W24
T 25	16 38 16	10°12'47	4♎35	19° 3	26°38	17°26	18°35	17°24	20°42	17°50	25°39	18°40	19°55	8° 4	10°40	T 25
F 26	16 42 12	11°10'02	17°23	19°35	27°22	18° 7	18°29	17°27	20°45	17°50	25°40	18°36	19°52	8°11	10°43	F 26
S 27	16 46 9	12° 7'17	0♏34	20°12	28° 7	18°48	18°22	17°29	20°48	17°51	25°42	18°31	19°49	8°17	10°47	S 27
S 28	16 50 5	13° 4'31	14° 9	20°53	28°53	19°29	18°16	17°32	20°51	17°51	25°43	18°26	19°46	8°24	10°51	S 28
M29	16 54 2	14° 1'44	28° 7	21°38	29°40	20°10	18°10	17°34	20°54	17°52	25°44	18°20	19°43	8°31	10°54	M29
T 30	16 57 59	14°58'56	12♐26	22°27	0♉27	20°51	18° 3	17°37	20°57	17°52	25°46	18°16	19°39	8°37	10°58	T 30
W31	17 1 55	15♊56'08	26♐58	23♉20	1♉16	21♓32	17♏57	17♓39	21♋ 0	17♓53	25♋47	18♋13	19♋36	8♌44	11♉ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 3	13s29	4n24	19n 0	0n 3	6n43	0n46	13s 4	1s52	17s 9	1n 6	7s23	1s57	22n36	0n31	6s 7	1s14	26n15	5n 9	22n 4	21n52	20n14	13n45	0s54
T 2	17 19	17 22	3 40	18 36	0s14	6 36	0 34	12 50	1 54	17 8	1 6	7 21	1 57	22 36	0 31	6 7	1 14	26 14	5 9	22 5	21 52	20 13	13 46	0 54
W 3	17 35	20 18	2 41	18 12	0 31	6 30	0 23	12 36	1 55	17 6	1 6	7 20	1 57	22 35	0 31	6 6	1 14	26 14	5 9	22 6	21 53	20 12	13 47	0 54
T 4	17 51	21 59	1 32	17 47	0 49	6 25	0 12	12 21	1 56	17 4	1 6	7 18	1 57	22 35	0 30	6 6	1 14	26 14	5 9	22 6	21 53	20 11	13 48	0 54
F 5	18 6	22 15	0 17	17 21	1 6	6 21	0 2	12 7	1 57	17 2	1 6	7 17	1 57	22 34	0 30	6 5	1 14	26 14	5 9	22 7	21 54	20 10	13 49	0 54
S 6	18 21	21 4	0s59	16 56	1 23	6 19	0s 9	11 52	1 58	17 0	1 6	7 15	1 58	22 34	0 30	6 5	1 14	26 14	5 9	22 6	21 54	20 10	13 51	0 54
S 7	18 36	18 33	2 11	16 31	1 40	6 17	0 18	11 38	1 59	16 58	1 6	7 14	1 58	22 34	0 30	6 5	1 14	26 13	5 9	22 6	21 55	20 9	13 52	0 54
M 8	18 50	14 56	3 15	16 6	1 56	6 16	0 28	11 23	2 1	16 56	1 6	7 12	1 58	22 33	0 30	6 4	1 14	26 13	5 9	22 6	21 55	20 8	13 53	0 54
T 9	19 5	10 31	4 7	15 43	2 12	6 16	0 37	11 8	2 2	16 54	1 5	7 11	1 58	22 33	0 30	6 4	1 14	26 13	5 9	22 7	21 56	20 7	13 54	0 54
W10	19 18	5 35	4 43	15 20	2 27	6 18	0 46	10 54	2 3	16 52	1 5	7 9	1 59	22 33	0 30	6 3	1 14	26 13	5 9	22 7	21 56	20 6	13 55	0 54
T 11	19 32	0 27	5 3	14 59	2 41	6 20	0 55	10 39	2 4	16 50	1 5	7 8	1 59	22 32	0 30	6 3	1 14	26 12	5 9	22 8	21 57	20 5	13 56	0 54
F 12	19 45	4n40	5 5	14 40	2 54	6 22	1 3	10 24	2 5	16 49	1 5	7 7	1 59	22 32	0 30	6 3	1 14	26 12	5 9	22 9	21 57	20 4	13 58	0 55
S 13	19 58	9 28	4 51	14 22	3 6	6 26	1 11	10 9	2 6	16 47	1 5	7 5	1 59	22 31	0 30	6 2	1 14	26 12	5 9	22 10	21 58	20 4	13 59	0 55
S 14	20 10	13 46	4 22	14 6	3 16	6 31	1 18	9 54	2 7	16 45	1 5	7 4	2 0	22 31	0 30	6 2	1 14	26 12	5 9	22 11	21 58	20 3	14 0	0 55
M15	20 23	17 21	3 39	13 53	3 26	6 36	1 26	9 39	2 8	16 43	1 5	7 3	2 0	22 31	0 30	6 2	1 15	26 11	5 9	22 12	21 59	20 2	14 1	0 55
T 16	20 34	20 3	2 47	13 42	3 34	6 42	1 33	9 24	2 10	16 41	1 5	7 2	2 0	22 30	0 30	6 1	1 15	26 11	5 8	22 13	21 59	20 1	14 2	0 55
W17	20 46	21 45	1 47	13 33	3 41	6 49	1 39	9 9	2 11	16 39	1 4	7 1	2 0	22 30	0 30	6 1	1 15	26 11	5 8	22 14	22 0	20 0	14 3	0 55
T 18	20 57	22 24	0 44	13 26	3 47	6 56	1 46	8 54	2 12	16 37	1 4	6 59	2 1	22 29	0 30	6 1	1 15	26 11	5 8	22 14	22 0	19 59	14 4	0 55
F 19	21 8	22 0	0n21	13 22	3 52	7 5	1 52	8 39	2 13	16 36	1 4	6 58	2 1	22 29	0 30	6 0	1 15	26 10	5 8	22 14	22 1	19 58	14 6	0 55
S 20	21 18	20 37	1 24	13 20	3 56	7 13	1 58	8 23	2 14	16 34	1 4	6 57	2 1	22 29	0 30	6 0	1 15	26 10	5 8	22 14	22 1	19 57	14 7	0 55
S 21	21 28	18 20	2 24	13 21	3 58	7 23	2 3	8 8	2 15	16 32	1 4	6 56	2 1	22 28	0 30	6 0	1 15	26 10	5 8	22 14	22 2	19 56	14 8	0 55
M22	21 38	15 18	3 18	13 23	4 0	7 33	2 9	7 53	2 16	16 30	1 4	6 55	2 2	22 28	0 30	6 0	1 15	26 10	5 8	22 14	22 2	19 56	14 9	0 56
T 23	21 47	11 36	4 3	13 28	4 0	7 43	2 14	7 38	2 17	16 29	1 3	6 54	2 2	22 27	0 30	5 59	1 15	26 9	5 8	22 14	22 2	19 55	14 10	0 56
W24	21 56	7 23	4 39	13 36	3 59	7 54	2 19	7 23	2 18	16 27	1 3	6 53	2 2	22 27	0 30	5 59	1 15	26 9	5 8	22 14	22 3	19 54	14 11	0 56
T 25	22 5	2 47	5 2	13 45	3 57	8 5	2 23	7 7	2 19	16 25	1 3	6 52	2 2	22 26	0 30	5 59	1 15	26 9	5 8	22 14	22 3	19 53	14 12	0 56
F 26	22 13	2s 4	5 11	13 56	3 55	8 17	2 27	6 52	2 20	16 24	1 3	6 52	2 3	22 26	0 30	5 59	1 15	26 9	5 8	22 15	22 4	19 52	14 13	0 56
S 27	22 21	6 58	5 4	14 9	3 51	8 30	2 31	6 37	2 21	16 22	1 3	6 51	2 3	22 25	0 30	5 59	1 15	26 8	5 8	22 15	22 4	19 51	14 14	0 56
S 28	22 28	11 41	4 41	14 24	3 47	8 42	2 35	6 22	2 23	16 20	1 2	6 50	2 3	22 25	0 30	5 58	1 15	26 8	5 8	22 16	22 5	19 50	14 15	0 56
M29	22 35	15 56	4 0	14 41	3 42	8 55	2 39	6 7	2 24	16 19	1 2	6 49	2 3	22 24	0 30	5 58	1 15	26 8	5 8	22 17	22 5	19 49	14 16	0 56
T 30	22 42	19 21	3 3	14 59	3 36	9 9	2 42	5 51	2 25	16 17	1 2	6 49	2 4	22 24	0 30	5 58	1 15	26 7	5 8	22 17	22 6	19 48	14 17	0 56
W31	22n48	21s37	1n54	15n19	3s29	9n23	2s45	5s36	2s26	16s16	1n 2	6s48	2s 4	22n23	0n30	5s58	1s15	26n 7	5n 8	22n18	22n 6	19n47	14n18	0s57

Julian Day Number = 2159478.5, Delta T = 13m21s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'24, Lahiri = 12°42'24 Julian Calendar 1 May 1200 == Greg. Calendar 8 May 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

JUNE 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 52	16♊53'20	11♉39	24♉18	2♉ 5	22♓12	17°R52	17♓41	21♋ 4	17♓53	25♋49	18°D12	19♋33	8♌50	11♉ 5	T 1
F 2	17 9 48	17°50'31	26°21	25°18	2°54	22°53	17♏46	17°43	21° 7	17°54	25°50	18♋12	19°30	8°57	11° 8	F 2
S 3	17 13 45	18°47'43	10♒59	26°23	3°45	23°33	17°40	17°45	21°10	17°54	25°51	18°13	19°27	9° 4	11°12	S 3
S 4	17 17 41	19°44'54	25°28	27°31	4°36	24°14	17°35	17°47	21°13	17°54	25°53	18°14	19°23	9°10	11°15	S 4
M 5	17 21 38	20°42'04	9♓43	28°44	5°28	24°54	17°29	17°49	21°17	17°55	25°54	18°15	19°20	9°17	11°19	M 5
T 6	17 25 35	21°39'15	23°44	29°59	6°20	25°34	17°24	17°50	21°20	17°55	25°56	18°R16	19°17	9°24	11°22	T 6
W 7	17 29 31	22°36'26	7♈29	1♊19	7°13	26°14	17°19	17°52	21°23	17°55	25°57	18°15	19°14	9°30	11°25	W 7
T 8	17 33 28	23°33'37	20°58	2°41	8° 6	26°54	17°14	17°54	21°27	17°55	25°59	18°13	19°11	9°37	11°29	T 8
F 9	17 37 24	24°30'48	4♉12	4° 8	9° 0	27°34	17° 9	17°55	21°30	17°56	26° 0	18°10	19° 8	9°44	11°32	F 9
S 10	17 41 21	25°28'00	17°12	5°38	9°55	28°13	17° 4	17°56	21°33	17°56	26° 2	18° 7	19° 4	9°50	11°35	S 10
S 11	17 45 17	26°25'11	29°57	7°11	10°50	28°53	17° 0	17°57	21°37	17°56	26° 3	18° 4	19° 1	9°57	11°38	S 11
M12	17 49 14	27°22'22	12♊29	8°47	11°46	29°32	16°56	17°59	21°40	17°56	26° 5	18° 1	18°58	10° 4	11°41	M12
T 13	17 53 10	28°19'33	24°49	10°27	12°42	0♈12	16°51	18° 0	21°44	17°56	26° 6	17°59	18°55	10°10	11°44	T 13
W14	17 57 7	29°16'45	6♋58	12°10	13°38	0°51	16°47	18° 0	21°47	17°R56	26° 8	17°57	18°52	10°17	11°48	W14
T 15	18 1 4	0♋13'56	18°58	13°56	14°35	1°30	16°43	18° 1	21°51	17°56	26°10	17°D57	18°49	10°24	11°51	T 15
F 16	18 5 0	1°11'07	0♌51	15°46	15°32	2° 8	16°40	18° 2	21°54	17°56	26°11	17°57	18°45	10°30	11°54	F 16
S 17	18 8 57	2° 8'19	12°40	17°38	16°30	2°47	16°36	18° 3	21°58	17°56	26°13	17°58	18°42	10°37	11°57	S 17
S 18	18 12 53	3° 5'30	24°28	19°33	17°28	3°25	16°33	18° 3	22° 1	17°56	26°14	18° 0	18°39	10°44	12° 0	S 18
M19	18 16 50	4° 2'41	6♍18	21°30	18°27	4° 4	16°30	18° 3	22° 5	17°55	26°16	18° 1	18°36	10°50	12° 2	M19
T 20	18 20 46	4°59'51	18°15	23°30	19°25	4°42	16°27	18° 4	22° 8	17°55	26°18	18° 2	18°33	10°57	12° 5	T 20
W21	18 24 43	5°57'02	0♎24	25°32	20°25	5°20	16°24	18° 4	22°12	17°55	26°19	18°R 2	18°29	11° 4	12° 8	W21
T 22	18 28 39	6°54'13	12°49	27°36	21°24	5°57	16°21	18°R 4	22°15	17°55	26°21	18° 2	18°26	11°10	12°11	T 22
F 23	18 32 36	7°51'24	25°34	29°41	22°24	6°35	16°19	18° 4	22°19	17°54	26°23	18° 2	18°23	11°17	12°14	F 23
S 24	18 36 33	8°48'34	8♏43	1♋47	23°24	7°12	16°16	18° 4	22°23	17°54	26°24	18° 1	18°20	11°24	12°16	S 24
S 25	18 40 29	9°45'45	22°17	3°55	24°25	7°50	16°14	18° 4	22°26	17°54	26°26	18° 0	18°17	11°30	12°19	S 25
M26	18 44 26	10°42'56	6♐18	6° 3	25°26	8°27	16°12	18° 3	22°30	17°53	26°28	17°59	18°14	11°37	12°21	M26
T 27	18 48 22	11°40'08	20°43	8°12	26°27	9° 4	16°10	18° 3	22°33	17°53	26°29	17°59	18°10	11°44	12°24	T 27
W28	18 52 19	12°37'20	5♑28	10°20	27°28	9°40	16° 9	18° 2	22°37	17°53	26°31	17°58	18° 7	11°50	12°26	W28
T 29	18 56 15	13°34'32	20°27	12°29	28°30	10°17	16° 7	18° 2	22°41	17°52	26°33	17°D58	18° 4	11°57	12°29	T 29
F 30	19 0 12	14♋31'44	5♒30	14♋37	29♉32	10♈53	16♏ 6	18♓ 1	22♋44	17♓52	26♋34	17♋58	18♋ 1	12♌ 4	12♉31	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n54	22s26	0n36	15n40	3s22	9n37	2s48	5s21	2s27	16s14	1n 2	6s47	2s 4	22n23	0n30	5s58	1s15	26n 7	5n 8	22n18	22n 7	19n46	14n19	0s57
F 2	22 59	21 42	0s45	16 2	3 14	9 51	2 51	5 6	2 28	16 13	1 1	6 47	2 4	22 22	0 30	5 58	1 15	26 7	5 8	22 18	22 7	19 45	14 20	0 57
S 3	23 4	19 30	2 2	16 26	3 5	10 6	2 54	4 51	2 29	16 12	1 1	6 46	2 5	22 22	0 30	5 58	1 15	26 6	5 8	22 18	22 8	19 44	14 21	0 57
S 4	23 9	16 4	3 10	16 50	2 56	10 21	2 56	4 35	2 30	16 10	1 1	6 46	2 5	22 21	0 30	5 58	1 16	26 6	5 8	22 18	22 8	19 43	14 22	0 57
M 5	23 13	11 45	4 6	17 15	2 46	10 36	2 58	4 20	2 31	16 9	1 1	6 45	2 5	22 21	0 30	5 57	1 16	26 6	5 8	22 17	22 8	19 42	14 23	0 57
T 6	23 17	6 52	4 46	17 41	2 36	10 51	3 0	4 5	2 32	16 8	1 1	6 45	2 5	22 20	0 30	5 57	1 16	26 5	5 8	22 17	22 9	19 41	14 24	0 57
W 7	23 20	1 45	5 9	18 8	2 26	11 7	3 2	3 50	2 33	16 7	1 0	6 45	2 6	22 20	0 30	5 57	1 16	26 5	5 8	22 18	22 9	19 40	14 25	0 57
T 8	23 23	3n22	5 14	18 35	2 15	11 23	3 3	3 35	2 34	16 5	1 0	6 44	2 6	22 19	0 30	5 57	1 16	26 5	5 8	22 18	22 10	19 39	14 26	0 57
F 9	23 26	8 14	5 2	19 2	2 4	11 39	3 5	3 20	2 35	16 4	1 0	6 44	2 6	22 19	0 30	5 57	1 16	26 5	5 8	22 18	22 10	19 38	14 27	0 58
S 10	23 28	12 38	4 35	19 30	1 52	11 55	3 6	3 5	2 36	16 3	1 0	6 44	2 6	22 18	0 30	5 57	1 16	26 4	5 8	22 19	22 11	19 37	14 28	0 58
S 11	23 30	16 24	3 55	19 57	1 40	12 11	3 7	2 50	2 37	16 2	0 59	6 43	2 7	22 18	0 30	5 57	1 16	26 4	5 8	22 19	22 11	19 36	14 28	0 58
M12	23 31	19 22	3 3	20 24	1 28	12 27	3 8	2 36	2 38	16 1	0 59	6 43	2 7	22 17	0 30	5 57	1 16	26 4	5 8	22 19	22 12	19 35	14 29	0 58
T 13	23 32	21 22	2 4	20 51	1 16	12 43	3 9	2 21	2 39	16 0	0 59	6 43	2 7	22 17	0 30	5 57	1 16	26 3	5 8	22 20	22 12	19 34	14 30	0 58
W14	23 32	22 21	1 0	21 17	1 4	12 59	3 9	2 6	2 39	15 59	0 59	6 43	2 8	22 16	0 30	5 57	1 16	26 3	5 8	22 20	22 12	19 33	14 31	0 58
T 15	23 33	22 17	0n 6	21 43	0 52	13 16	3 10	1 51	2 40	15 58	0 59	6 43	2 8	22 15	0 30	5 57	1 16	26 3	5 8	22 20	22 13	19 32	14 32	0 58
F 16	23 32	21 12	1 11	22 7	0 40	13 32	3 10	1 37	2 41	15 57	0 58	6 43	2 8	22 15	0 30	5 58	1 16	26 2	5 8	22 20	22 13	19 31	14 33	0 58
S 17	23 31	19 12	2 13	22 30	0 28	13 48	3 10	1 22	2 42	15 57	0 58	6 43	2 8	22 14	0 30	5 58	1 16	26 2	5 8	22 20	22 14	19 30	14 33	0 59
S 18	23 30	16 23	3 9	22 52	0 16	14 5	3 10	1 8	2 43	15 56	0 58	6 43	2 9	22 14	0 30	5 58	1 16	26 2	5 8	22 20	22 14	19 29	14 34	0 59
M19	23 29	12 54	3 57	23 12	0 4	14 21	3 10	0 53	2 44	15 55	0 58	6 43	2 9	22 13	0 30	5 58	1 16	26 2	5 8	22 19	22 15	19 28	14 35	0 59
T 20	23 27	8 53	4 35	23 30	0n 8	14 37	3 9	0 39	2 45	15 55	0 57	6 43	2 9	22 13	0 30	5 58	1 16	26 1	5 8	22 19	22 15	19 27	14 36	0 59
W21	23 24	4 27	5 2	23 46	0 19	14 54	3 9	0 25	2 46	15 54	0 57	6 43	2 9	22 12	0 30	5 58	1 16	26 1	5 8	22 19	22 16	19 26	14 36	0 59
T 22	23 22	0s14	5 16	24 0	0 29	15 10	3 8	0 10	2 47	15 54	0 57	6 44	2 10	22 11	0 30	5 58	1 16	26 1	5 8	22 19	22 16	19 25	14 37	0 59
F 23	23 18	5 3	5 14	24 12	0 39	15 26	3 8	0n 4	2 47	15 53	0 57	6 44	2 10	22 11	0 30	5 58	1 16	26 0	5 8	22 19	22 16	19 24	14 38	0 59
S 24	23 15	9 47	4 57	24 21	0 49	15 41	3 7	0 18	2 48	15 53	0 56	6 44	2 10	22 10	0 30	5 59	1 17	26 0	5 8	22 19	22 17	19 23	14 38	0 59
S 25	23 11	14 11	4 22	24 27	0 58	15 57	3 6	0 32	2 49	15 52	0 56	6 44	2 11	22 10	0 30	5 59	1 17	26 0	5 8	22 20	22 17	19 22	14 39	1 0
M26	23 6	17 59	3 31	24 30	1 6	16 13	3 5	0 46	2 50	15 52	0 56	6 45	2 11	22 9	0 30	5 59	1 17	25 59	5 8	22 20	22 18	19 20	14 40	1 0
T 27	23 2	20 48	2 26	24 31	1 14	16 28	3 3	0 59	2 51	15 52	0 56	6 45	2 11	22 8	0 30	5 59	1 17	25 59	5 8	22 20	22 18	19 19	14 40	1 0
W28	22 56	22 17	1 9	24 28	1 20	16 43	3 2	1 13	2 52	15 51	0 55	6 46	2 11	22 8	0 30	5 59	1 17	25 59	5 8	22 20	22 19	19 18	14 41	1 0
T 29	22 51	22 12	0s14	24 23	1 26	16 58	3 1	1 27	2 52	15 51	0 55	6 46	2 12	22 7	0 30	6 0	1 17	25 59	5 8	22 20	22 19	19 17	14 42	1 0
F 30	22n45	20s32	1s36	24n15	1n32	17n13	2s59	1n40	2s53	15s51	0n55	6s47	2s12	22n 7	0n30	6s 0	1s17	25n58	5n 8	22n20	22n19	19n16	14n42	1s 0

Julian Day Number = 2159509.5, Delta T = 13m21s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'28, Lahiri = 12°42'28 Julian Calendar 1 June 1200 == Greg. Calendar 8 June 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

JULY 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 8	15♋28'58	20♒30	16♋44	0♊35	11♈29	16°R 5	18°R 0	22♋48	17°R51	26♋36	17♋58	17♋58	12♌10	12♉34	S 1
S 2	19 8 5	16°26'12	5♓18	18°51	1°37	12° 5	16♏ 4	17♓59	22°52	17♓50	26°38	17°59	17°55	12°17	12°36	S 2
M 3	19 12 2	17°23'26	19°49	20°56	2°40	12°41	16° 3	17°58	22°55	17°50	26°40	17°59	17°51	12°23	12°38	M 3
T 4	19 15 58	18°20'42	3♈59	23° 0	3°43	13°16	16° 3	17°57	22°59	17°49	26°41	17°R59	17°48	12°30	12°40	T 4
W 5	19 19 55	19°17'58	17°46	25° 3	4°46	13°51	16° 2	17°56	23° 3	17°49	26°43	17°D59	17°45	12°37	12°43	W 5
T 6	19 23 51	20°15'16	1♉11	27° 5	5°50	14°26	16°D 2	17°55	23° 6	17°48	26°45	17°59	17°42	12°43	12°45	T 6
F 7	19 27 48	21°12'34	14°15	29° 5	6°54	15° 1	16° 2	17°53	23°10	17°47	26°46	17°59	17°39	12°50	12°47	F 7
S 8	19 31 44	22° 9'54	27° 0	1♌ 4	7°58	15°35	16° 3	17°52	23°14	17°46	26°48	17°59	17°35	12°57	12°49	S 8
S 9	19 35 41	23° 7'15	9♊29	3° 1	9° 2	16° 9	16° 3	17°50	23°17	17°46	26°50	18° 0	17°32	13° 3	12°51	S 9
M10	19 39 37	24° 4'36	21°46	4°56	10° 7	16°43	16° 4	17°48	23°21	17°45	26°52	18° 0	17°29	13°10	12°53	M10
T 11	19 43 34	25° 1'59	3♋52	6°50	11°12	17°17	16° 4	17°47	23°25	17°44	26°53	18° 1	17°26	13°17	12°55	T 11
W12	19 47 31	25°59'22	15°50	8°42	12°16	17°50	16° 5	17°45	23°28	17°43	26°55	18°R 1	17°23	13°23	12°56	W12
T 13	19 51 27	26°56'47	27°42	10°33	13°22	18°23	16° 6	17°43	23°32	17°42	26°57	18° 1	17°20	13°30	12°58	T 13
F 14	19 55 24	27°54'12	9♌31	12°22	14°27	18°56	16° 8	17°41	23°36	17°41	26°59	18° 0	17°16	13°37	13° 0	F 14
S 15	19 59 20	28°51'39	21°19	14° 9	15°32	19°29	16° 9	17°38	23°40	17°40	27° 0	17°59	17°13	13°43	13° 1	S 15
S 16	20 3 17	29°49'06	3♍ 8	15°55	16°38	20° 1	16°11	17°36	23°43	17°40	27° 2	17°58	17°10	13°50	13° 3	S 16
M17	20 7 13	0♌46'34	15° 1	17°39	17°44	20°33	16°13	17°34	23°47	17°39	27° 4	17°56	17° 7	13°57	13° 5	M17
T 18	20 11 10	1°44'03	27° 0	19°21	18°50	21° 4	16°15	17°31	23°51	17°38	27° 6	17°54	17° 4	14° 3	13° 6	T 18
W19	20 15 6	2°41'32	9♎10	21° 2	19°56	21°36	16°17	17°29	23°54	17°36	27° 7	17°52	17° 1	14°10	13° 7	W19
T 20	20 19 3	3°39'03	21°34	22°41	21° 3	22° 6	16°19	17°26	23°58	17°35	27° 9	17°51	16°57	14°17	13° 9	T 20
F 21	20 23 0	4°36'34	4♏16	24°19	22° 9	22°37	16°22	17°23	24° 2	17°34	27°11	17°D51	16°54	14°23	13°10	F 21
S 22	20 26 56	5°34'06	17°18	25°55	23°16	23° 7	16°25	17°21	24° 5	17°33	27°12	17°51	16°51	14°30	13°11	S 22
S 23	20 30 53	6°31'40	0♐46	27°30	24°23	23°37	16°27	17°18	24° 9	17°32	27°14	17°52	16°48	14°37	13°12	S 23
M24	20 34 49	7°29'14	14°39	29° 2	25°30	24° 7	16°31	17°15	24°12	17°31	27°16	17°54	16°45	14°43	13°14	M24
T 25	20 38 46	8°26'49	28°59	0♑34	26°37	24°36	16°34	17°12	24°16	17°30	27°18	17°55	16°41	14°50	13°15	T 25
W26	20 42 42	9°24'26	13♑43	2° 4	27°44	25° 5	16°37	17° 9	24°20	17°29	27°19	17°R55	16°38	14°57	13°16	W26
T 27	20 46 39	10°22'03	28°45	3°32	28°52	25°33	16°41	17° 6	24°23	17°27	27°21	17°55	16°35	15° 3	13°17	T 27
F 28	20 50 35	11°19'42	13♒57	4°58	29°59	26° 1	16°45	17° 2	24°27	17°26	27°23	17°54	16°32	15°10	13°18	F 28
S 29	20 54 32	12°17'22	29°11	6°23	1♋ 8	26°29	16°49	16°59	24°30	17°25	27°24	17°51	16°29	15°17	13°18	S 29
S 30	20 58 29	13°15'03	14♓15	7°47	2°15	26°56	16°53	16°56	24°34	17°24	27°26	17°48	16°26	15°23	13°19	S 30
M31	21 2 25	14♌12'46	29♓ 2	9♍ 8	3♋24	27♈23	16♏57	16♓52	24♋37	17♓22	27♋28	17♋45	16♋22	15♌30	13♉20	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n38	17s25	2s51	24n 5	1n36	17n28	2s58	1n54	2s54	15s51	0n55	6s47	2s12	22n 6	0n30	6s 0	1s17	25n58	5n 8	22n20	22n20	19n15	14n43	1s 0	S 1
S 2	22 32	13 14	3 54	23 52	1 40	17 42	2 56	2 7	2 55	15 51	0 54	6 48	2 12	22 5	0 30	6 0	1 17	25 58	5 8	22 20	22 20	19 14	14 43	1 1	S 2
M 3	22 24	8 20	4 40	23 36	1 43	17 56	2 54	2 20	2 55	15 51	0 54	6 49	2 13	22 5	0 30	6 1	1 17	25 57	5 8	22 20	22 21	19 13	14 44	1 1	M 3
T 4	22 17	3 7	5 8	23 18	1 46	18 10	2 52	2 33	2 56	15 51	0 54	6 49	2 13	22 4	0 30	6 1	1 17	25 57	5 9	22 20	22 21	19 12	14 45	1 1	T 4
W 5	22 9	2n 7	5 18	22 58	1 47	18 24	2 50	2 46	2 57	15 51	0 54	6 50	2 13	22 4	0 30	6 1	1 17	25 57	5 9	22 20	22 22	19 10	14 45	1 1	W 5
T 6	22 0	7 6	5 9	22 36	1 48	18 37	2 48	2 59	2 58	15 52	0 53	6 51	2 13	22 3	0 30	6 1	1 17	25 57	5 9	22 20	22 22	19 9	14 46	1 1	T 6
F 7	21 52	11 39	4 45	22 12	1 48	18 50	2 46	3 12	2 58	15 52	0 53	6 51	2 14	22 2	0 30	6 2	1 17	25 56	5 9	22 20	22 22	19 8	14 46	1 1	F 7
S 8	21 43	15 34	4 7	21 46	1 48	19 3	2 43	3 25	2 59	15 52	0 53	6 52	2 14	22 2	0 30	6 2	1 17	25 56	5 9	22 20	22 23	19 7	14 47	1 1	S 8
S 9	21 33	18 42	3 18	21 18	1 47	19 15	2 41	3 37	3 0	15 52	0 53	6 53	2 14	22 1	0 30	6 2	1 17	25 56	5 9	22 20	22 23	19 6	14 47	1 2	S 9
M10	21 23	20 57	2 21	20 49	1 45	19 27	2 39	3 50	3 0	15 53	0 52	6 54	2 14	22 0	0 30	6 3	1 17	25 55	5 9	22 20	22 24	19 5	14 47	1 2	M10
T 11	21 13	22 11	1 18	20 18	1 43	19 38	2 36	4 2	3 1	15 53	0 52	6 55	2 15	22 0	0 30	6 3	1 17	25 55	5 9	22 19	22 24	19 3	14 48	1 2	T 11
W12	21 2	22 24	0 12	19 47	1 40	19 50	2 33	4 14	3 2	15 54	0 52	6 56	2 15	21 59	0 30	6 4	1 17	25 55	5 9	22 19	22 24	19 2	14 48	1 2	W12
T 13	20 51	21 35	0n53	19 14	1 37	20 0	2 31	4 26	3 2	15 54	0 52	6 57	2 15	21 59	0 30	6 4	1 17	25 54	5 9	22 19	22 25	19 1	14 49	1 2	T 13
F 14	20 40	19 49	1 56	18 40	1 33	20 11	2 28	4 38	3 3	15 55	0 51	6 58	2 15	21 58	0 30	6 4	1 17	25 54	5 9	22 20	22 25	19 0	14 49	1 2	F 14
S 15	20 29	17 12	2 54	18 5	1 29	20 21	2 25	4 50	3 3	15 56	0 51	6 59	2 16	21 57	0 30	6 5	1 18	25 54	5 9	22 20	22 26	18 59	14 49	1 2	S 15
S 16	20 17	13 53	3 45	17 29	1 25	20 30	2 22	5 1	3 4	15 56	0 51	7 0	2 16	21 57	0 30	6 5	1 18	25 54	5 9	22 20	22 26	18 58	14 50	1 3	S 16
M17	20 4	10 1	4 26	16 52	1 19	20 40	2 19	5 13	3 4	15 57	0 51	7 1	2 16	21 56	0 30	6 6	1 18	25 53	5 9	22 20	22 26	18 56	14 50	1 3	M17
T 18	19 52	5 43	4 56	16 15	1 14	20 48	2 16	5 24	3 5	15 58	0 50	7 3	2 16	21 55	0 30	6 6	1 18	25 53	5 9	22 20	22 27	18 55	14 50	1 3	T 18
W19	19 39	1 8	5 13	15 37	1 8	20 56	2 13	5 35	3 5	15 59	0 50	7 4	2 17	21 55	0 30	6 7	1 18	25 53	5 10	22 21	22 27	18 54	14 51	1 3	W19
T 20	19 25	3s34	5 16	14 59	1 2	21 4	2 10	5 46	3 6	16 0	0 50	7 5	2 17	21 54	0 30	6 7	1 18	25 53	5 10	22 21	22 28	18 53	14 51	1 3	T 20
F 21	19 12	8 14	5 3	14 20	0 55	21 12	2 7	5 57	3 6	16 1	0 50	7 6	2 17	21 54	0 30	6 7	1 18	25 52	5 10	22 21	22 28	18 52	14 51	1 3	F 21
S 22	18 58	12 40	4 36	13 42	0 48	21 18	2 4	6 8	3 7	16 2	0 49	7 8	2 17	21 53	0 30	6 8	1 18	25 52	5 10	22 21	22 28	18 50	14 51	1 3	S 22
S 23	18 43	16 37	3 52	13 2	0 41	21 25	2 1	6 18	3 7	16 3	0 49	7 9	2 18	21 52	0 30	6 8	1 18	25 52	5 10	22 21	22 29	18 49	14 52	1 4	S 23
M24	18 29	19 47	2 54	12 23	0 34	21 30	1 57	6 29	3 8	16 4	0 49	7 10	2 18	21 52	0 30	6 9	1 18	25 52	5 10	22 20	22 29	18 48	14 52	1 4	M24
T 25	18 14	21 50	1 43	11 44	0 26	21 36	1 54	6 39	3 8	16 5	0 49	7 12	2 18	21 51	0 30	6 9	1 18	25 51	5 10	22 20	22 30	18 47	14 52	1 4	T 25
W26	17 59	22 27	0 23	11 4	0 18	21 41	1 51	6 49	3 9	16 6	0 48	7 13	2 18	21 50	0 30	6 10	1 18	25 51	5 10	22 20	22 30	18 45	14 52	1 4	W26
T 27	17 43	21 28	0s59	10 24	0 10	21 45	1 47	6 59	3 9	16 8	0 48	7 14	2 18	21 50	0 30	6 10	1 18	25 51	5 10	22 20	22 30	18 44	14 52	1 4	T 27
F 28	17 27	18 55	2 19	9 45	0 1	21 49	1 44	7 9	3 9	16 9	0 48	7 16	2 19	21 49	0 30	6 11	1 18	25 51	5 10	22 20	22 31	18 43	14 52	1 4	F 28
S 29	17 11	15 3	3 28	9 6	0s 7	21 52	1 41	7 19	3 10	16 10	0 48	7 17	2 19	21 49	0 30	6 11	1 18	25 50	5 10	22 21	22 31	18 42	14 53	1 4	S 29
S 30	16 55	10 15	4 22	8 26	0 16	21 54	1 37	7 28	3 10	16 12	0 47	7 19	2 19	21 48	0 30	6 12	1 18	25 50	5 11	22 21	22 32	18 40	14 53	1 5	S 30
M31	16n38	4s56	4s58	7n48	0s25	21n56	1s34	7n37	3s10	16s13	0n47	7s20	2s19	21n47	0n30	6s13	1s18	25n50	5n11	22n22	22n32	18n39	14n53	1s 5	M31

Julian Day Number = 2159539.5, Delta T = 13m21s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'32, Lahiri = 12°42'33 Julian Calendar 1 July 1200 == Greg. Calendar 8 July 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

AUGUST 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 6 22	15♌10'31	13♈25	10♍28	4♋32	27♈49	17♏ 1	16°R49	24♋41	17°R21	27♋30	17°R41	16♋19	15♌37	13♉21	T 1
W 2	21 10 18	16° 8'17	27°20	11°46	5°40	28°15	17° 6	16♓45	24°44	17♓20	27°31	17♋39	16°16	15°43	13°21	W 2
T 3	21 14 15	17° 6'05	10♉48	13° 3	6°49	28°40	17°11	16°41	24°48	17°18	27°33	17°38	16°13	15°50	13°22	T 3
F 4	21 18 11	18° 3'55	23°50	14°17	7°58	29° 5	17°16	16°38	24°51	17°17	27°35	17°D38	16°10	15°57	13°22	F 4
S 5	21 22 8	19° 1'47	6♊30	15°30	9° 6	29°30	17°21	16°34	24°55	17°15	27°36	17°39	16° 7	16° 3	13°23	S 5
S 6	21 26 4	19°59'40	18°51	16°40	10°15	29°54	17°26	16°30	24°58	17°14	27°38	17°40	16° 3	16°10	13°23	S 6
M 7	21 30 1	20°57'35	0♋58	17°49	11°24	0♉18	17°31	16°26	25° 2	17°13	27°39	17°42	16° 0	16°17	13°23	M 7
T 8	21 33 58	21°55'33	12°55	18°55	12°34	0°41	17°37	16°22	25° 5	17°11	27°41	17°R43	15°57	16°23	13°23	T 8
W 9	21 37 54	22°53'32	24°46	19°59	13°43	1° 3	17°42	16°18	25° 9	17°10	27°43	17°43	15°54	16°30	13°24	W 9
T 10	21 41 51	23°51'32	6♌34	21° 1	14°52	1°25	17°48	16°14	25°12	17° 8	27°44	17°41	15°51	16°37	13°24	T 10
F 11	21 45 47	24°49'34	18°22	22° 0	16° 2	1°46	17°54	16°10	25°15	17° 7	27°46	17°38	15°47	16°43	13°R24	F 11
S 12	21 49 44	25°47'38	0♍11	22°56	17°12	2° 7	18° 0	16° 6	25°19	17° 5	27°47	17°32	15°44	16°50	13°24	S 12
S 13	21 53 40	26°45'44	12° 5	23°49	18°22	2°28	18° 7	16° 1	25°22	17° 4	27°49	17°26	15°41	16°57	13°24	S 13
M14	21 57 37	27°43'51	24° 5	24°40	19°31	2°47	18°13	15°57	25°25	17° 2	27°51	17°18	15°38	17° 3	13°24	M14
T 15	22 1 33	28°42'00	6♎11	25°27	20°42	3° 6	18°20	15°53	25°28	17° 0	27°52	17°11	15°35	17°10	13°23	T 15
W16	22 5 30	29°40'11	18°28	26°11	21°52	3°25	18°27	15°48	25°32	16°59	27°54	17° 4	15°32	17°17	13°23	W16
T 17	22 9 27	0♍38'23	0♏56	26°51	23° 2	3°43	18°33	15°44	25°35	16°57	27°55	16°59	15°28	17°23	13°23	T 17
F 18	22 13 23	1°36'36	13°38	27°27	24°12	4° 0	18°40	15°39	25°38	16°56	27°57	16°55	15°25	17°30	13°22	F 18
S 19	22 17 20	2°34'51	26°38	27°59	25°23	4°17	18°48	15°35	25°41	16°54	27°58	16°D53	15°22	17°37	13°22	S 19
S 20	22 21 16	3°33'08	9♐58	28°27	26°33	4°33	18°55	15°31	25°44	16°53	28° 0	16°53	15°19	17°43	13°21	S 20
M21	22 25 13	4°31'27	23°41	28°49	27°44	4°48	19° 2	15°26	25°47	16°51	28° 1	16°54	15°16	17°50	13°21	M21
T 22	22 29 9	5°29'46	7♑47	29° 7	28°55	5° 3	19°10	15°21	25°50	16°49	28° 3	16°55	15°13	17°57	13°20	T 22
W23	22 33 6	6°28'08	22°18	29°19	0♌ 6	5°16	19°18	15°17	25°53	16°48	28° 4	16°R56	15° 9	18° 3	13°20	W23
T 24	22 37 2	7°26'31	7♒ 9	29°25	1°17	5°30	19°25	15°12	25°56	16°46	28° 5	16°54	15° 6	18°10	13°19	T 24
F 25	22 40 59	8°24'56	22°15	29°R26	2°28	5°42	19°33	15° 8	25°59	16°44	28° 7	16°50	15° 3	18°17	13°18	F 25
S 26	22 44 56	9°23'23	7♓26	29°20	3°39	5°54	19°41	15° 3	26° 2	16°43	28° 8	16°44	15° 0	18°23	13°17	S 26
S 27	22 48 52	10°21'51	22°34	29° 7	4°50	6° 5	19°50	14°58	26° 5	16°41	28°10	16°37	14°57	18°30	13°16	S 27
M28	22 52 49	11°20'21	7♈28	28°47	6° 2	6°15	19°58	14°54	26° 8	16°40	28°11	16°28	14°53	18°37	13°15	M28
T 29	22 56 45	12°18'54	21°59	28°21	7°13	6°25	20° 6	14°49	26°11	16°38	28°12	16°20	14°50	18°43	13°14	T 29
W30	23 0 42	13°17'29	6♉ 3	27°47	8°25	6°34	20°15	14°44	26°14	16°36	28°14	16°13	14°47	18°50	13°13	W30
T 31	23 4 38	14♍16'06	19♉37	27♍ 7	9♌36	6♉42	20♏24	14♓40	26♋16	16♓35	28♋15	16♋ 8	14♋44	18♌57	13♉12	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n21	0n31	5s13	7n 9	0s34	21n58	1s30	7n46	3s11	16s15	0n47	7s22	2s19	21n47	0n30	6s13	1s18	25n50	5n11	22n22	22n32	18n38	14n53	1s 5
W 2	16 4	5 45	5 10	6 31	0 43	21 59	1 26	7 55	3 11	16 16	0 47	7 24	2 20	21 46	0 30	6 14	1 18	25 49	5 11	22 22	22 33	18 37	14 53	1 5
T 3	15 47	10 33	4 49	5 53	0 53	21 59	1 23	8 4	3 11	16 18	0 46	7 25	2 20	21 46	0 30	6 14	1 18	25 49	5 11	22 22	22 33	18 35	14 53	1 5
F 4	15 29	14 43	4 14	5 15	1 2	21 59	1 19	8 13	3 11	16 19	0 46	7 27	2 20	21 45	0 30	6 15	1 18	25 49	5 11	22 23	22 34	18 34	14 53	1 5
S 5	15 11	18 5	3 27	4 39	1 12	21 58	1 16	8 21	3 12	16 21	0 46	7 29	2 20	21 44	0 30	6 15	1 18	25 49	5 11	22 22	22 34	18 33	14 53	1 6
S 6	14 53	20 33	2 32	4 2	1 21	21 57	1 12	8 30	3 12	16 23	0 46	7 30	2 20	21 44	0 30	6 16	1 18	25 48	5 11	22 22	22 34	18 31	14 53	1 6
M 7	14 34	22 2	1 30	3 27	1 31	21 55	1 8	8 38	3 12	16 24	0 45	7 32	2 20	21 43	0 31	6 17	1 18	25 48	5 12	22 22	22 35	18 30	14 53	1 6
T 8	14 16	22 29	0 26	2 52	1 40	21 52	1 5	8 45	3 12	16 26	0 45	7 34	2 21	21 42	0 31	6 17	1 18	25 48	5 12	22 22	22 35	18 29	14 53	1 6
W 9	13 57	21 54	0n38	2 18	1 50	21 49	1 1	8 53	3 12	16 28	0 45	7 35	2 21	21 42	0 31	6 18	1 18	25 48	5 12	22 22	22 35	18 28	14 53	1 6
T 10	13 38	20 21	1 41	1 45	2 0	21 45	0 58	9 1	3 12	16 30	0 45	7 37	2 21	21 41	0 31	6 18	1 18	25 48	5 12	22 22	22 36	18 26	14 52	1 6
F 11	13 18	17 55	2 39	1 13	2 9	21 41	0 54	9 8	3 12	16 32	0 45	7 39	2 21	21 41	0 31	6 19	1 18	25 47	5 12	22 23	22 36	18 25	14 52	1 6
S 12	12 59	14 44	3 30	0 41	2 19	21 36	0 50	9 15	3 12	16 34	0 44	7 41	2 21	21 40	0 31	6 20	1 18	25 47	5 12	22 23	22 37	18 24	14 52	1 7
S 13	12 39	10 57	4 13	0 12	2 28	21 30	0 47	9 22	3 12	16 36	0 44	7 42	2 21	21 40	0 31	6 20	1 19	25 47	5 12	22 24	22 37	18 22	14 52	1 7
M14	12 19	6 43	4 44	0s17	2 38	21 24	0 43	9 29	3 12	16 38	0 44	7 44	2 22	21 39	0 31	6 21	1 19	25 47	5 12	22 25	22 37	18 21	14 52	1 7
T 15	11 59	2 10	5 3	0 44	2 47	21 17	0 39	9 35	3 12	16 40	0 44	7 46	2 22	21 38	0 31	6 21	1 19	25 47	5 13	22 26	22 38	18 20	14 52	1 7
W16	11 38	2s30	5 9	1 10	2 56	21 10	0 36	9 42	3 12	16 42	0 43	7 48	2 22	21 38	0 31	6 22	1 19	25 46	5 13	22 27	22 38	18 18	14 51	1 7
T 17	11 18	7 9	5 0	1 34	3 5	21 2	0 32	9 48	3 12	16 44	0 43	7 50	2 22	21 37	0 31	6 23	1 19	25 46	5 13	22 28	22 38	18 17	14 51	1 7
F 18	10 57	11 36	4 36	1 56	3 13	20 54	0 29	9 54	3 12	16 46	0 43	7 51	2 22	21 37	0 31	6 23	1 19	25 46	5 13	22 28	22 39	18 16	14 51	1 8
S 19	10 36	15 37	3 58	2 16	3 21	20 44	0 25	10 0	3 12	16 48	0 43	7 53	2 22	21 36	0 31	6 24	1 19	25 46	5 13	22 28	22 39	18 14	14 51	1 8
S 20	10 15	18 58	3 6	2 34	3 29	20 35	0 22	10 5	3 11	16 50	0 43	7 55	2 22	21 36	0 31	6 25	1 19	25 46	5 13	22 28	22 40	18 13	14 50	1 8
M21	9 54	21 21	2 2	2 50	3 36	20 24	0 18	10 11	3 11	16 53	0 42	7 57	2 22	21 35	0 31	6 25	1 19	25 46	5 13	22 28	22 40	18 12	14 50	1 8
T 22	9 32	22 30	0 49	3 3	3 43	20 14	0 15	10 16	3 11	16 55	0 42	7 59	2 22	21 34	0 31	6 26	1 19	25 46	5 14	22 28	22 40	18 10	14 50	1 8
W23	9 11	22 10	0s29	3 13	3 49	20 2	0 11	10 21	3 10	16 57	0 42	8 1	2 23	21 34	0 31	6 27	1 19	25 45	5 14	22 28	22 41	18 9	14 49	1 8
T 24	8 49	20 17	1 47	3 21	3 54	19 50	0 8	10 25	3 10	16 59	0 42	8 3	2 23	21 33	0 31	6 27	1 19	25 45	5 14	22 28	22 41	18 7	14 49	1 8
F 25	8 27	16 58	2 58	3 25	3 58	19 37	0 4	10 30	3 10	17 2	0 42	8 5	2 23	21 33	0 31	6 28	1 19	25 45	5 14	22 29	22 41	18 6	14 49	1 9
S 26	8 5	12 29	3 57	3 25	4 2	19 24	0 1	10 34	3 9	17 4	0 41	8 6	2 23	21 32	0 31	6 28	1 19	25 45	5 14	22 29	22 42	18 5	14 48	1 9
S 27	7 43	7 14	4 40	3 22	4 4	19 11	0n 2	10 38	3 9	17 7	0 41	8 8	2 23	21 32	0 31	6 29	1 19	25 45	5 14	22 30	22 42	18 3	14 48	1 9
M28	7 21	1 39	5 2	3 15	4 5	18 56	0 6	10 42	3 8	17 9	0 41	8 10	2 23	21 31	0 31	6 30	1 19	25 45	5 15	22 31	22 42	18 2	14 47	1 9
T 29	6 58	3n54	5 4	3 4	4 4	18 41	0 9	10 46	3 7	17 11	0 41	8 12	2 23	21 31	0 31	6 30	1 19	25 45	5 15	22 32	22 43	18 0	14 47	1 9
W30	6 36	9 4	4 48	2 49	4 2	18 26	0 12	10 49	3 7	17 14	0 41	8 14	2 23	21 30	0 31	6 31	1 19	25 45	5 15	22 33	22 43	17 59	14 46	1 9
T 31	6n13	13n37	4s16	2s30	3s59	18n10	0n15	10n53	3s 6	17s16	0n40	8s16	2s23	21n30	0n31	6s32	1s19	25n44	5n15	22n34	22n43	17n58	14n46	1s10

Julian Day Number = 2159570.5, Delta T = 13m20s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'36, Lahiri = 12°42'37 Julian Calendar 1 Aug. 1200 == Greg. Calendar 8 Aug. 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

SEPTEMBER 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 8 35	15♍14'45	2♊43	26°R21	10♌48	6♉49	20♏32	14°R35	26♋19	16°R33	28♋16	16°R 6	14♋41	19♌ 3	13°R11	F 1
S 2	23 12 31	16°13'26	15°24	25♍28	12° 0	6°55	20°41	14♓30	26°22	16♓31	28°17	16°D 5	14°38	19°10	13♉10	S 2
S 3	23 16 28	17°12'10	27°43	24°30	13°12	7° 1	20°50	14°26	26°24	16°30	28°19	16♋ 5	14°34	19°17	13° 8	S 3
M 4	23 20 25	18°10'56	9♋48	23°29	14°24	7° 5	21° 0	14°21	26°27	16°28	28°20	16°R 6	14°31	19°23	13° 7	M 4
T 5	23 24 21	19° 9'45	21°41	22°24	15°36	7° 9	21° 9	14°16	26°30	16°26	28°21	16° 6	14°28	19°30	13° 5	T 5
W 6	23 28 18	20° 8'36	3♌30	21°18	16°48	7°12	21°18	14°12	26°32	16°25	28°22	16° 4	14°25	19°37	13° 4	W 6
T 7	23 32 14	21° 7'28	15°17	20°12	18° 1	7°14	21°28	14° 7	26°35	16°23	28°23	16° 0	14°22	19°43	13° 2	T 7
F 8	23 36 11	22° 6'23	27° 6	19° 8	19°13	7°15	21°37	14° 3	26°37	16°21	28°25	15°54	14°18	19°50	13° 1	F 8
S 9	23 40 7	23° 5'21	9♍ 1	18° 7	20°25	7°R15	21°47	13°58	26°40	16°20	28°26	15°44	14°15	19°57	12°59	S 9
S 10	23 44 4	24° 4'20	21° 3	17°11	21°38	7°15	21°57	13°53	26°42	16°18	28°27	15°33	14°12	20° 3	12°57	S 10
M11	23 48 0	25° 3'21	3♎13	16°22	22°51	7°13	22° 7	13°49	26°44	16°16	28°28	15°20	14° 9	20°10	12°56	M11
T 12	23 51 57	26° 2'25	15°32	15°41	24° 3	7°11	22°17	13°44	26°47	16°15	28°29	15° 7	14° 6	20°17	12°54	T 12
W13	23 55 53	27° 1'30	28° 2	15° 9	25°16	7° 8	22°27	13°40	26°49	16°13	28°30	14°55	14° 3	20°23	12°52	W13
T 14	23 59 50	28° 0'37	10♏42	14°47	26°29	7° 3	22°37	13°35	26°51	16°11	28°31	14°45	13°59	20°30	12°50	T 14
F 15	0 3 47	28°59'47	23°34	14°36	27°42	6°58	22°47	13°31	26°53	16°10	28°32	14°38	13°56	20°37	12°48	F 15
S 16	0 7 43	29°58'58	6♐39	14°D34	28°55	6°52	22°58	13°27	26°55	16° 8	28°33	14°34	13°53	20°43	12°46	S 16
S 17	0 11 40	0♎58'11	19°59	14°44	0♍ 8	6°45	23° 8	13°22	26°57	16° 7	28°34	14°32	13°50	20°50	12°44	S 17
M18	0 15 36	1°57'26	3♑35	15° 4	1°21	6°37	23°19	13°18	26°59	16° 5	28°35	14°D31	13°47	20°57	12°42	M18
T 19	0 19 33	2°56'42	17°30	15°33	2°34	6°29	23°30	13°14	27° 1	16° 3	28°36	14°R31	13°44	21° 3	12°40	T 19
W20	0 23 29	3°56'01	1♒44	16°12	3°47	6°19	23°41	13°10	27° 3	16° 2	28°37	14°30	13°40	21°10	12°37	W20
T 21	0 27 26	4°55'21	16°16	17° 0	5° 1	6° 9	23°51	13° 5	27° 5	16° 0	28°38	14°28	13°37	21°17	12°35	T 21
F 22	0 31 22	5°54'43	1♓ 2	17°55	6°14	5°58	24° 2	13° 1	27° 7	15°59	28°38	14°22	13°34	21°23	12°33	F 22
S 23	0 35 19	6°54'06	15°56	18°58	7°28	5°46	24°13	12°57	27° 9	15°57	28°39	14°14	13°31	21°30	12°31	S 23
S 24	0 39 16	7°53'32	0♈51	20° 7	8°41	5°33	24°25	12°53	27°11	15°56	28°40	14° 3	13°28	21°37	12°28	S 24
M25	0 43 12	8°53'00	15°36	21°22	9°55	5°20	24°36	12°49	27°12	15°54	28°41	13°52	13°24	21°43	12°26	M25
T 26	0 47 9	9°52'30	0♉ 4	22°41	11° 8	5° 5	24°47	12°45	27°14	15°53	28°41	13°40	13°21	21°50	12°23	T 26
W27	0 51 5	10°52'02	14° 8	24° 5	12°22	4°50	24°58	12°41	27°16	15°51	28°42	13°30	13°18	21°57	12°21	W27
T 28	0 55 2	11°51'36	27°45	25°33	13°36	4°35	25°10	12°38	27°17	15°50	28°43	13°22	13°15	22° 3	12°18	T 28
F 29	0 58 58	12°51'13	10♊55	27° 3	14°50	4°19	25°21	12°34	27°19	15°48	28°44	13°17	13°12	22°10	12°16	F 29
S 30	1 2 55	13♎50'52	23♊38	28♍36	16♍ 3	4♉ 2	25♏33	12♓30	27♋20	15♓47	28♋44	13♋14	13♋ 9	22♌17	12♉13	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n50	17n21	3s31	2s 6	3s53	17n54	0n18	10n56	3s 5	17s19	0n40	8s18	2s23	21n29	0n31	6s32	1s19	25n44	5n15	22n34	22n44	17n56	14n45	1s10
S 2	5 27	20 8	2 37	1 39	3 46	17 37	0 22	10 59	3 5	17 21	0 40	8 19	2 23	21 29	0 31	6 33	1 19	25 44	5 15	22 34	22 44	17 55	14 45	1 10
S 3	5 5	21 55	1 37	1 7	3 37	17 19	0 25	11 1	3 4	17 24	0 40	8 21	2 23	21 28	0 31	6 34	1 19	25 44	5 16	22 34	22 45	17 53	14 44	1 10
M 4	4 42	22 37	0 34	0 33	3 25	17 1	0 28	11 3	3 3	17 27	0 40	8 23	2 23	21 28	0 31	6 34	1 19	25 44	5 16	22 34	22 45	17 52	14 44	1 10
T 5	4 18	22 17	0n30	0n 5	3 12	16 43	0 31	11 6	3 2	17 29	0 40	8 25	2 23	21 27	0 31	6 35	1 19	25 44	5 16	22 34	22 45	17 50	14 43	1 10
W 6	3 55	20 56	1 32	0 45	2 57	16 24	0 33	11 8	3 1	17 32	0 39	8 27	2 23	21 27	0 31	6 36	1 19	25 44	5 16	22 34	22 46	17 49	14 42	1 10
T 7	3 32	18 42	2 29	1 26	2 41	16 4	0 36	11 9	3 0	17 35	0 39	8 29	2 23	21 26	0 31	6 36	1 19	25 44	5 16	22 35	22 46	17 48	14 42	1 11
F 8	3 9	15 39	3 20	2 8	2 23	15 45	0 39	11 11	2 59	17 37	0 39	8 30	2 23	21 26	0 31	6 37	1 19	25 44	5 16	22 36	22 46	17 46	14 41	1 11
S 9	2 45	11 58	4 3	2 49	2 4	15 24	0 42	11 12	2 57	17 40	0 39	8 32	2 23	21 26	0 31	6 38	1 19	25 44	5 17	22 37	22 47	17 45	14 41	1 11
S 10	2 22	7 46	4 35	3 29	1 44	15 3	0 45	11 13	2 56	17 43	0 39	8 34	2 23	21 25	0 31	6 38	1 19	25 44	5 17	22 38	22 47	17 43	14 40	1 11
M11	1 58	3 13	4 55	4 7	1 24	14 42	0 47	11 14	2 55	17 45	0 38	8 36	2 23	21 25	0 31	6 39	1 19	25 44	5 17	22 39	22 47	17 42	14 39	1 11
T 12	1 35	1s31	5 1	4 41	1 4	14 21	0 50	11 14	2 53	17 48	0 38	8 37	2 23	21 24	0 31	6 40	1 19	25 44	5 17	22 41	22 48	17 40	14 39	1 11
W13	1 11	6 15	4 54	5 12	0 44	13 58	0 52	11 15	2 52	17 51	0 38	8 39	2 23	21 24	0 31	6 40	1 19	25 44	5 17	22 42	22 48	17 39	14 38	1 11
T 14	0 48	10 48	4 32	5 39	0 24	13 36	0 55	11 15	2 50	17 54	0 38	8 41	2 23	21 24	0 31	6 41	1 19	25 44	5 18	22 43	22 48	17 37	14 37	1 12
F 15	0 24	14 57	3 55	6 0	0 5	13 13	0 57	11 14	2 49	17 56	0 38	8 43	2 23	21 23	0 32	6 42	1 19	25 43	5 18	22 44	22 49	17 36	14 36	1 12
S 16	0 0	18 27	3 6	6 17	0n12	12 50	0 59	11 14	2 47	17 59	0 38	8 44	2 23	21 23	0 32	6 42	1 19	25 43	5 18	22 45	22 49	17 34	14 36	1 12
S 17	0s23	21 4	2 6	6 29	0 29	12 26	1 2	11 14	2 45	18 2	0 37	8 46	2 23	21 22	0 32	6 43	1 19	25 43	5 18	22 45	22 49	17 33	14 35	1 12
M18	0 47	22 32	0 58	6 35	0 44	12 2	1 4	11 13	2 43	18 5	0 37	8 48	2 23	21 22	0 32	6 43	1 19	25 43	5 18	22 45	22 50	17 31	14 34	1 12
T 19	1 11	22 39	0s16	6 36	0 57	11 38	1 6	11 12	2 42	18 8	0 37	8 49	2 23	21 22	0 32	6 44	1 19	25 43	5 19	22 45	22 50	17 30	14 33	1 12
W20	1 34	21 19	1 30	6 32	1 10	11 13	1 8	11 11	2 40	18 11	0 37	8 51	2 23	21 21	0 32	6 45	1 19	25 43	5 19	22 45	22 50	17 28	14 33	1 12
T 21	1 58	18 34	2 39	6 24	1 21	10 48	1 10	11 9	2 37	18 13	0 37	8 52	2 23	21 21	0 32	6 45	1 19	25 43	5 19	22 45	22 51	17 27	14 32	1 13
F 22	2 21	14 34	3 39	6 11	1 30	10 23	1 12	11 7	2 35	18 16	0 37	8 54	2 23	21 21	0 32	6 46	1 19	25 43	5 19	22 46	22 51	17 25	14 31	1 13
S 23	2 45	9 38	4 25	5 53	1 38	9 57	1 14	11 6	2 33	18 19	0 36	8 55	2 23	21 20	0 32	6 46	1 19	25 44	5 19	22 47	22 51	17 24	14 30	1 13
S 24	3 9	4 8	4 53	5 32	1 45	9 31	1 16	11 4	2 31	18 22	0 36	8 57	2 23	21 20	0 32	6 47	1 19	25 44	5 20	22 48	22 52	17 22	14 29	1 13
M25	3 32	1n33	5 0	5 8	1 50	9 5	1 17	11 1	2 28	18 25	0 36	8 58	2 23	21 20	0 32	6 48	1 19	25 44	5 20	22 49	22 52	17 21	14 28	1 13
T 26	3 56	7 3	4 48	4 40	1 54	8 38	1 19	10 59	2 26	18 28	0 36	9 0	2 23	21 19	0 32	6 48	1 19	25 44	5 20	22 50	22 52	17 19	14 27	1 13
W27	4 19	12 1	4 19	4 9	1 57	8 11	1 21	10 56	2 23	18 31	0 36	9 1	2 23	21 19	0 32	6 49	1 19	25 44	5 20	22 51	22 52	17 18	14 27	1 13
T 28	4 43	16 14	3 36	3 36	2 0	7 44	1 22	10 54	2 21	18 34	0 36	9 3	2 23	21 19	0 32	6 49	1 19	25 44	5 20	22 52	22 53	17 16	14 26	1 14
F 29	5 6	19 30	2 42	3 1	2 1	7 17	1 24	10 51	2 18	18 37	0 36	9 4	2 22	21 19	0 32	6 50	1 19	25 44	5 21	22 53	22 53	17 15	14 25	1 14
S 30	5s29	21n42	1s42	2n24	2n 1	6n50	1n25	10n48	2s15	18s40	0n35	9s 5	2s22	21n18	0n32	6s50	1s19	25n44	5n21	22n53	22n53	17n13	14n24	1s14

Julian Day Number = 2159601.5, Delta T = 13m20s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'41, Lahiri = 12°42'41 Julian Calendar 1 Sept. 1200 == Greg. Calendar 8 Sept. 1200

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1200
geocentric

OCTOBER 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 51	14♎50'33	6♋ 0	0♎11	17♍17	3°R44	25♏45	12°R27	27♋22	15°R46	28♋45	13°R13	13♋ 5	22♌24	12°R10	S 1
M 2	1 10 48	15°50'16	18° 6	1°47	18°31	3♉26	25°56	12♓23	27°23	15♓44	28°45	13♋13	13° 2	22°30	12♉ 8	M 2
T 3	1 14 45	16°50'02	0♌ 0	3°25	19°45	3° 7	26° 8	12°20	27°24	15°43	28°46	13°13	12°59	22°37	12° 5	T 3
W 4	1 18 41	17°49'50	11°49	5° 4	21° 0	2°48	26°20	12°16	27°26	15°41	28°46	13°11	12°56	22°44	12° 2	W 4
T 5	1 22 38	18°49'41	23°38	6°44	22°14	2°28	26°32	12°13	27°27	15°40	28°47	13° 7	12°53	22°50	11°59	T 5
F 6	1 26 34	19°49'33	5♍30	8°24	23°28	2° 9	26°44	12°10	27°28	15°39	28°47	13° 0	12°49	22°57	11°57	F 6
S 7	1 30 31	20°49'28	17°30	10° 4	24°42	1°48	26°56	12° 7	27°29	15°37	28°48	12°50	12°46	23° 4	11°54	S 7
S 8	1 34 27	21°49'25	29°41	11°45	25°56	1°28	27° 8	12° 4	27°30	15°36	28°48	12°38	12°43	23°10	11°51	S 8
M 9	1 38 24	22°49'23	12♎ 4	13°25	27°11	1° 7	27°21	12° 1	27°31	15°35	28°49	12°24	12°40	23°17	11°48	M 9
T 10	1 42 20	23°49'24	24°39	15° 6	28°25	0°46	27°33	11°58	27°32	15°34	28°49	12°10	12°37	23°24	11°45	T 10
W11	1 46 17	24°49'27	7♏27	16°46	29°40	0°25	27°45	11°55	27°33	15°33	28°49	11°57	12°34	23°30	11°42	W11
T 12	1 50 13	25°49'32	20°27	18°27	0♎54	0° 3	27°58	11°53	27°34	15°31	28°50	11°47	12°30	23°37	11°39	T 12
F 13	1 54 10	26°49'38	3♐37	20° 7	2° 9	29♈42	28°10	11°50	27°35	15°30	28°50	11°39	12°27	23°44	11°36	F 13
S 14	1 58 7	27°49'46	16°59	21°46	3°23	29°21	28°22	11°47	27°35	15°29	28°50	11°34	12°24	23°50	11°33	S 14
S 15	2 2 3	28°49'56	0♑30	23°26	4°38	29° 0	28°35	11°45	27°36	15°28	28°51	11°31	12°21	23°57	11°30	S 15
M16	2 6 0	29°50'08	14°12	25° 5	5°52	28°39	28°48	11°43	27°37	15°27	28°51	11°D31	12°18	24° 4	11°27	M16
T 17	2 9 56	0♏50'21	28° 5	26°43	7° 7	28°18	29° 0	11°40	27°37	15°26	28°51	11°R31	12°15	24°10	11°24	T 17
W18	2 13 53	1°50'35	12♒ 9	28°22	8°22	27°57	29°13	11°38	27°38	15°25	28°51	11°31	12°11	24°17	11°21	W18
T 19	2 17 49	2°50'51	26°23	29°59	9°36	27°37	29°26	11°36	27°38	15°24	28°51	11°29	12° 8	24°24	11°18	T 19
F 20	2 21 46	3°51'09	10♓47	1♏37	10°51	27°17	29°39	11°34	27°39	15°23	28°51	11°24	12° 5	24°30	11°15	F 20
S 21	2 25 42	4°51'28	25°15	3°14	12° 6	26°57	29°51	11°32	27°39	15°22	28°52	11°17	12° 2	24°37	11°12	S 21
S 22	2 29 39	5°51'48	9♈44	4°51	13°21	26°38	0♐ 4	11°31	27°39	15°21	28°52	11° 8	11°59	24°44	11° 9	S 22
M23	2 33 36	6°52'10	24° 6	6°27	14°36	26°19	0°17	11°29	27°39	15°20	28°R52	10°57	11°55	24°50	11° 6	M23
T 24	2 37 32	7°52'34	8♉16	8° 4	15°51	26° 1	0°30	11°27	27°40	15°19	28°52	10°47	11°52	24°57	11° 2	T 24
W25	2 41 29	8°52'59	22° 7	9°39	17° 6	25°43	0°43	11°26	27°40	15°18	28°52	10°37	11°49	25° 4	10°59	W25
T 26	2 45 25	9°53'26	5♊36	11°15	18°20	25°26	0°56	11°25	27°40	15°18	28°51	10°30	11°46	25°10	10°56	T 26
F 27	2 49 22	10°53'55	18°43	12°50	19°35	25°10	1°10	11°23	27°R40	15°17	28°51	10°25	11°43	25°17	10°53	F 27
S 28	2 53 18	11°54'26	1♋27	14°25	20°50	24°54	1°23	11°22	27°40	15°16	28°51	10°23	11°40	25°24	10°50	S 28
S 29	2 57 15	12°54'58	13°50	16° 0	22° 5	24°38	1°36	11°21	27°40	15°15	28°51	10°D22	11°36	25°31	10°47	S 29
M30	3 1 11	13°55'33	25°58	17°34	23°21	24°24	1°49	11°20	27°39	15°15	28°51	10°23	11°33	25°37	10°44	M30
T 31	3 5 8	14♏56'09	7♌54	19♏ 8	24♎36	24♈10	2♐ 2	11♓19	27♋39	15♓14	28♋51	10♋24	11♋30	25♌44	10♉41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s52	22n46	0s38	1n46	2n 0	6n22	1n26	10n44	2s13	18s42	0n35	9s 6	2s22	21n18	0n32	6s51	1s19	25n44	5n21	22n53	22n54	17n11	14n23	1s14
M 2	6 15	22 44	0n26	1 6	1 59	5 54	1 27	10 41	2 10	18 45	0 35	9 8	2 22	21 18	0 32	6 51	1 19	25 44	5 21	22 53	22 54	17 10	14 22	1 14
T 3	6 39	21 40	1 28	0 25	1 57	5 26	1 29	10 37	2 7	18 48	0 35	9 9	2 22	21 18	0 32	6 52	1 19	25 44	5 21	22 53	22 54	17 8	14 21	1 14
W 4	7 2	19 38	2 25	0s16	1 54	4 57	1 30	10 34	2 4	18 51	0 35	9 10	2 22	21 17	0 32	6 52	1 19	25 44	5 22	22 53	22 55	17 7	14 20	1 14
T 5	7 24	16 47	3 16	0 59	1 51	4 29	1 31	10 30	2 1	18 54	0 35	9 11	2 22	21 17	0 32	6 53	1 19	25 44	5 22	22 54	22 55	17 5	14 19	1 14
F 6	7 47	13 14	3 59	1 42	1 48	4 0	1 32	10 26	1 57	18 57	0 35	9 12	2 22	21 17	0 32	6 53	1 19	25 44	5 22	22 54	22 55	17 4	14 18	1 15
S 7	8 10	9 8	4 32	2 25	1 43	3 32	1 32	10 22	1 54	19 0	0 34	9 13	2 22	21 17	0 32	6 54	1 19	25 45	5 22	22 55	22 56	17 2	14 17	1 15
S 8	8 32	4 36	4 53	3 9	1 39	3 3	1 33	10 18	1 51	19 3	0 34	9 15	2 21	21 17	0 32	6 54	1 19	25 45	5 23	22 56	22 56	17 0	14 16	1 15
M 9	8 55	0s11	5 0	3 52	1 34	2 34	1 34	10 14	1 48	19 6	0 34	9 16	2 21	21 17	0 32	6 55	1 19	25 45	5 23	22 58	22 56	16 59	14 15	1 15
T 10	9 17	5 2	4 53	4 36	1 29	2 4	1 34	10 10	1 44	19 9	0 34	9 17	2 21	21 16	0 32	6 55	1 19	25 45	5 23	22 59	22 56	16 57	14 14	1 15
W11	9 39	9 46	4 32	5 20	1 24	1 35	1 35	10 5	1 41	19 12	0 34	9 17	2 21	21 16	0 32	6 56	1 19	25 45	5 23	23 0	22 57	16 56	14 13	1 15
T 12	10 1	14 9	3 55	6 3	1 18	1 6	1 35	10 1	1 37	19 15	0 34	9 18	2 21	21 16	0 32	6 56	1 19	25 45	5 23	23 1	22 57	16 54	14 12	1 15
F 13	10 23	17 55	3 6	6 47	1 12	0 36	1 36	9 57	1 34	19 18	0 34	9 19	2 21	21 16	0 33	6 57	1 19	25 45	5 24	23 2	22 57	16 52	14 11	1 15
S 14	10 45	20 49	2 6	7 30	1 6	0 7	1 36	9 53	1 30	19 20	0 33	9 20	2 21	21 16	0 33	6 57	1 18	25 46	5 24	23 2	22 58	16 51	14 10	1 15
S 15	11 6	22 34	0 58	8 12	1 0	0s23	1 36	9 48	1 27	19 23	0 33	9 21	2 20	21 16	0 33	6 57	1 18	25 46	5 24	23 2	22 58	16 49	14 9	1 16
M16	11 28	23 1	0s14	8 55	0 54	0 52	1 36	9 44	1 23	19 26	0 33	9 22	2 20	21 16	0 33	6 58	1 18	25 46	5 24	23 2	22 58	16 48	14 8	1 16
T 17	11 49	22 3	1 27	9 37	0 47	1 22	1 37	9 40	1 20	19 29	0 33	9 22	2 20	21 16	0 33	6 58	1 18	25 46	5 25	23 2	22 59	16 46	14 7	1 16
W18	12 10	19 42	2 35	10 18	0 41	1 51	1 36	9 36	1 16	19 32	0 33	9 23	2 20	21 16	0 33	6 59	1 18	25 46	5 25	23 2	22 59	16 44	14 6	1 16
T 19	12 31	16 8	3 35	10 59	0 34	2 21	1 36	9 32	1 13	19 35	0 33	9 24	2 20	21 15	0 33	6 59	1 18	25 46	5 25	23 3	22 59	16 43	14 5	1 16
F 20	12 51	11 35	4 21	11 39	0 28	2 50	1 36	9 28	1 9	19 38	0 33	9 24	2 20	21 15	0 33	6 59	1 18	25 47	5 25	23 3	22 59	16 41	14 4	1 16
S 21	13 12	6 21	4 51	12 19	0 21	3 20	1 36	9 25	1 6	19 41	0 33	9 25	2 20	21 15	0 33	7 0	1 18	25 47	5 25	23 4	23 0	16 39	14 3	1 16
S 22	13 32	0 46	5 3	12 58	0 14	3 49	1 36	9 21	1 2	19 43	0 32	9 25	2 19	21 15	0 33	7 0	1 18	25 47	5 26	23 4	23 0	16 38	14 2	1 16
M23	13 52	4n49	4 55	13 37	0 8	4 19	1 35	9 18	0 58	19 46	0 32	9 26	2 19	21 15	0 33	7 0	1 18	25 47	5 26	23 5	23 0	16 36	14 1	1 16
T 24	14 12	10 4	4 29	14 14	0 1	4 48	1 35	9 14	0 55	19 49	0 32	9 26	2 19	21 15	0 33	7 1	1 18	25 47	5 26	23 6	23 1	16 34	14 0	1 17
W25	14 31	14 42	3 48	14 52	0s 6	5 17	1 34	9 11	0 51	19 52	0 32	9 27	2 19	21 15	0 33	7 1	1 18	25 48	5 26	23 7	23 1	16 33	13 58	1 17
T 26	14 51	18 28	2 55	15 28	0 12	5 46	1 34	9 8	0 48	19 55	0 32	9 27	2 19	21 15	0 33	7 1	1 18	25 48	5 26	23 8	23 1	16 31	13 57	1 17
F 27	15 10	21 11	1 53	16 4	0 19	6 16	1 33	9 5	0 44	19 58	0 32	9 27	2 18	21 15	0 33	7 2	1 18	25 48	5 27	23 8	23 1	16 29	13 56	1 17
S 28	15 28	22 44	0 48	16 38	0 26	6 44	1 33	9 3	0 41	20 0	0 32	9 28	2 18	21 16	0 33	7 2	1 18	25 48	5 27	23 8	23 2	16 28	13 55	1 17
S 29	15 47	23 8	0n19	17 12	0 32	7 13	1 32	9 0	0 38	20 3	0 32	9 28	2 18	21 16	0 33	7 2	1 18	25 49	5 27	23 8	23 2	16 26	13 54	1 17
M30	16 5	22 24	1 23	17 46	0 38	7 42	1 31	8 58	0 34	20 6	0 32	9 28	2 18	21 16	0 33	7 2	1 18	25 49	5 27	23 8	23 2	16 24	13 53	1 17
T 31	16s23	20n40	2n22	18s18	0s45	8s10	1n30	8n56	0s31	20s 9	0n31	9s28	2s18	21n16	0n33	7s 3	1s18	25n49	5n28	23n 8	23n 3	16n23	13n52	1s17

Julian Day Number = 2159631.5, Delta T = 13m20s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'45, Lahiri = 12°42'45 Julian Calendar 1 Oct. 1200 == Greg. Calendar 8 Oct. 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

NOVEMBER 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 9 5	15♏56'47	19♒45	20♏42	25♎51	23°R56	2♐16	11°R19	27°R39	15°R13	28°R51	10°R24	11♋27	25♒51	10°R37	W 1
T 2	3 13 1	16°57'26	1♍35	22°16	27° 6	23♈44	2°29	11♓18	27♋39	15♓13	28♋50	10♋23	11°24	25°57	10♉34	T 2
F 3	3 16 58	17°58'08	13°29	23°50	28°21	23°32	2°42	11°18	27°38	15°12	28°50	10°19	11°21	26° 4	10°31	F 3
S 4	3 20 54	18°58'50	25°33	25°23	29°36	23°21	2°56	11°17	27°38	15°12	28°50	10°14	11°17	26°11	10°28	S 4
S 5	3 24 51	19°59'35	7♎49	26°56	0♏51	23°11	3° 9	11°17	27°37	15°11	28°49	10° 6	11°14	26°17	10°25	S 5
M 6	3 28 47	21° 0'21	20°21	28°29	2° 7	23° 2	3°22	11°17	27°37	15°11	28°49	9°57	11°11	26°24	10°22	M 6
T 7	3 32 44	22° 1'08	3♏ 9	0♐ 2	3°22	22°53	3°36	11°D17	27°36	15°10	28°49	9°48	11° 8	26°31	10°19	T 7
W 8	3 36 40	23° 1'57	16°15	1°35	4°37	22°46	3°49	11°17	27°36	15°10	28°48	9°39	11° 5	26°37	10°16	W 8
T 9	3 40 37	24° 2'48	29°37	3° 8	5°52	22°39	4° 3	11°17	27°35	15° 9	28°48	9°32	11° 1	26°44	10°13	T 9
F 10	3 44 34	25° 3'39	13♐13	4°41	7° 8	22°33	4°16	11°17	27°34	15° 9	28°47	9°27	10°58	26°51	10°10	F 10
S 11	3 48 30	26° 4'32	26°59	6°13	8°23	22°27	4°30	11°17	27°33	15° 9	28°47	9°24	10°55	26°57	10° 7	S 11
S 12	3 52 27	27° 5'26	10♑54	7°46	9°38	22°23	4°43	11°18	27°32	15° 9	28°46	9°D24	10°52	27° 4	10° 4	S 12
M13	3 56 23	28° 6'21	24°55	9°18	10°54	22°19	4°57	11°18	27°32	15° 8	28°46	9°24	10°49	27°11	10° 1	M13
T 14	4 0 20	29° 7'16	9♒ 0	10°50	12° 9	22°17	5°10	11°19	27°31	15° 8	28°45	9°26	10°46	27°18	9°58	T 14
W15	4 4 16	0♐ 8'13	23° 8	12°22	13°24	22°15	5°24	11°20	27°30	15° 8	28°45	9°27	10°42	27°24	9°55	W15
T 16	4 8 13	1° 9'10	7♓17	13°54	14°40	22°14	5°37	11°21	27°29	15° 8	28°44	9°R27	10°39	27°31	9°52	T 16
F 17	4 12 9	2°10'07	21°25	15°25	15°55	22°D13	5°51	11°22	27°27	15° 8	28°43	9°25	10°36	27°38	9°49	F 17
S 18	4 16 6	3°11'06	5♈30	16°57	17°10	22°14	6° 5	11°23	27°26	15° 8	28°43	9°22	10°33	27°44	9°47	S 18
S 19	4 20 3	4°12'05	19°31	18°28	18°26	22°15	6°18	11°24	27°25	15°D 8	28°42	9°17	10°30	27°51	9°44	S 19
M20	4 23 59	5°13'05	3♉24	19°59	19°41	22°17	6°32	11°26	27°24	15° 8	28°41	9°12	10°27	27°58	9°41	M20
T 21	4 27 56	6°14'05	17° 6	21°29	20°56	22°20	6°45	11°27	27°22	15° 8	28°41	9° 6	10°23	28° 4	9°38	T 21
W22	4 31 52	7°15'06	0♊33	22°59	22°12	22°24	6°59	11°29	27°21	15° 8	28°40	9° 1	10°20	28°11	9°36	W22
T 23	4 35 49	8°16'09	13°44	24°28	23°27	22°28	7°13	11°30	27°20	15° 8	28°39	8°57	10°17	28°18	9°33	T 23
F 24	4 39 45	9°17'12	26°38	25°57	24°43	22°33	7°26	11°32	27°18	15° 8	28°38	8°55	10°14	28°24	9°30	F 24
S 25	4 43 42	10°18'15	9♋15	27°24	25°58	22°39	7°40	11°34	27°17	15° 8	28°38	8°D55	10°11	28°31	9°28	S 25
S 26	4 47 39	11°19'20	21°35	28°51	27°14	22°45	7°54	11°36	27°15	15° 8	28°37	8°55	10° 7	28°38	9°25	S 26
M27	4 51 35	12°20'25	3♌43	0♑17	28°29	22°52	8° 7	11°38	27°14	15° 9	28°36	8°57	10° 4	28°44	9°23	M27
T 28	4 55 32	13°21'32	15°40	1°41	29°44	23° 0	8°21	11°40	27°12	15° 9	28°35	8°59	10° 1	28°51	9°20	T 28
W29	4 59 28	14°22'39	27°31	3° 3	1♐ 0	23° 9	8°34	11°42	27°10	15° 9	28°34	9° 0	9°58	28°58	9°18	W29
T 30	5 3 25	15♐23'47	9♍22	4♑24	2♐15	23♈18	8♐48	11♓45	27♋ 9	15♓10	28♋33	9♋ 1	9♋55	29♌ 5	9♉15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s41	18n 2	3n15	18s49	0s51	8s39	1n29	8n54	0s28	20s11	0n31	9s28	2s18	21n16	0n33	7s 3	1s18	25n49	5n28	23n 8	23n 3	16n21	13n51	1s17
T 2	16 58	14 41	4 0	19 20	0 57	9 7	1 28	8 53	0 24	20 14	0 31	9 28	2 17	21 16	0 33	7 3	1 18	25 50	5 28	23 8	23 3	16 19	13 50	1 17
F 3	17 16	10 44	4 34	19 50	1 3	9 35	1 27	8 51	0 21	20 17	0 31	9 28	2 17	21 16	0 33	7 3	1 18	25 50	5 28	23 8	23 3	16 17	13 49	1 17
S 4	17 32	6 19	4 57	20 18	1 9	10 3	1 26	8 50	0 18	20 20	0 31	9 28	2 17	21 16	0 33	7 3	1 18	25 50	5 28	23 9	23 4	16 16	13 48	1 17
S 5	17 49	1 35	5 7	20 46	1 15	10 30	1 24	8 49	0 15	20 22	0 31	9 28	2 17	21 16	0 33	7 3	1 18	25 50	5 29	23 9	23 4	16 14	13 47	1 18
M 6	18 5	3s19	5 2	21 13	1 20	10 57	1 23	8 48	0 12	20 25	0 31	9 28	2 17	21 16	0 33	7 4	1 18	25 51	5 29	23 10	23 4	16 12	13 46	1 18
T 7	18 21	8 12	4 42	21 38	1 26	11 24	1 22	8 48	0 9	20 28	0 31	9 28	2 16	21 17	0 33	7 4	1 18	25 51	5 29	23 11	23 4	16 11	13 45	1 18
W 8	18 37	12 49	4 7	22 3	1 31	11 51	1 20	8 48	0 6	20 30	0 31	9 28	2 16	21 17	0 33	7 4	1 18	25 51	5 29	23 11	23 5	16 9	13 44	1 18
T 9	18 52	16 56	3 18	22 26	1 36	12 18	1 19	8 48	0 3	20 33	0 30	9 28	2 16	21 17	0 34	7 4	1 18	25 52	5 30	23 12	23 5	16 7	13 43	1 18
F 10	19 7	20 13	2 17	22 49	1 41	12 44	1 17	8 48	0 0	20 35	0 30	9 27	2 16	21 17	0 34	7 4	1 18	25 52	5 30	23 12	23 5	16 5	13 42	1 18
S 11	19 21	22 24	1 7	23 10	1 45	13 10	1 16	8 49	0n 3	20 38	0 30	9 27	2 16	21 17	0 34	7 4	1 18	25 52	5 30	23 12	23 5	16 4	13 41	1 18
S 12	19 36	23 14	0s 8	23 30	1 50	13 35	1 14	8 50	0 5	20 41	0 30	9 27	2 15	21 17	0 34	7 4	1 18	25 52	5 30	23 12	23 6	16 2	13 40	1 18
M13	19 49	22 36	1 23	23 49	1 54	14 0	1 13	8 51	0 8	20 43	0 30	9 26	2 15	21 18	0 34	7 4	1 18	25 53	5 30	23 12	23 6	16 0	13 39	1 18
T 14	20 3	20 33	2 34	24 6	1 58	14 25	1 11	8 52	0 11	20 46	0 30	9 26	2 15	21 18	0 34	7 4	1 18	25 53	5 31	23 12	23 6	15 58	13 38	1 18
W15	20 16	17 15	3 35	24 23	2 1	14 50	1 9	8 54	0 13	20 48	0 30	9 25	2 15	21 18	0 34	7 4	1 18	25 53	5 31	23 12	23 7	15 57	13 37	1 18
T 16	20 29	12 57	4 24	24 38	2 5	15 14	1 7	8 56	0 16	20 51	0 30	9 25	2 15	21 18	0 34	7 4	1 17	25 54	5 31	23 12	23 7	15 55	13 36	1 18
F 17	20 41	7 57	4 56	24 51	2 8	15 38	1 6	8 58	0 18	20 53	0 30	9 24	2 14	21 19	0 34	7 4	1 17	25 54	5 31	23 12	23 7	15 53	13 35	1 18
S 18	20 53	2 33	5 10	25 4	2 10	16 1	1 4	9 0	0 20	20 56	0 30	9 24	2 14	21 19	0 34	7 4	1 17	25 54	5 31	23 13	23 7	15 51	13 34	1 18
S 19	21 5	2n57	5 6	25 14	2 13	16 24	1 2	9 3	0 23	20 58	0 30	9 23	2 14	21 19	0 34	7 4	1 17	25 55	5 32	23 13	23 8	15 49	13 33	1 18
M20	21 16	8 15	4 44	25 24	2 14	16 46	1 0	9 6	0 25	21 1	0 29	9 22	2 14	21 19	0 34	7 4	1 17	25 55	5 32	23 13	23 8	15 48	13 32	1 19
T 21	21 27	13 5	4 6	25 32	2 16	17 8	0 58	9 9	0 27	21 3	0 29	9 22	2 14	21 20	0 34	7 4	1 17	25 55	5 32	23 14	23 8	15 46	13 31	1 19
W22	21 37	17 11	3 14	25 38	2 17	17 30	0 56	9 12	0 29	21 5	0 29	9 21	2 14	21 20	0 34	7 4	1 17	25 56	5 32	23 14	23 8	15 44	13 30	1 19
T 23	21 47	20 20	2 13	25 43	2 18	17 51	0 54	9 16	0 32	21 8	0 29	9 20	2 13	21 20	0 34	7 4	1 17	25 56	5 32	23 14	23 9	15 42	13 29	1 19
F 24	21 56	22 23	1 7	25 47	2 18	18 12	0 51	9 20	0 34	21 10	0 29	9 19	2 13	21 21	0 34	7 4	1 17	25 57	5 33	23 14	23 9	15 40	13 29	1 19
S 25	22 5	23 15	0n 2	25 48	2 17	18 32	0 49	9 24	0 36	21 12	0 29	9 18	2 13	21 21	0 34	7 4	1 17	25 57	5 33	23 14	23 9	15 39	13 28	1 19
S 26	22 14	22 56	1 9	25 49	2 16	18 52	0 47	9 28	0 37	21 15	0 29	9 17	2 13	21 21	0 34	7 4	1 17	25 57	5 33	23 14	23 9	15 37	13 27	1 19
M27	22 22	21 33	2 12	25 47	2 15	19 11	0 45	9 32	0 39	21 17	0 29	9 16	2 13	21 22	0 34	7 4	1 17	25 58	5 33	23 14	23 9	15 35	13 26	1 19
T 28	22 30	19 12	3 9	25 44	2 13	19 29	0 43	9 37	0 41	21 19	0 29	9 15	2 12	21 22	0 34	7 4	1 17	25 58	5 33	23 14	23 10	15 33	13 25	1 19
W29	22 37	16 5	3 56	25 40	2 10	19 47	0 40	9 42	0 43	21 21	0 29	9 14	2 12	21 22	0 34	7 3	1 17	25 58	5 33	23 14	23 10	15 31	13 24	1 19
T 30	22s44	12n19	4n34	25s34	2s 6	20s 5	0n38	9n47	0n45	21s24	0n29	9s13	2s12	21n23	0n34	7s 3	1s17	25n59	5n34	23n14	23n10	15n30	13n24	1s19

Julian Day Number = 2159662.5, Delta T = 13m20s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'49, Lahiri = 12°42'49 Julian Calendar 1 Nov. 1200 == Greg. Calendar 8 Nov. 1200

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ASTRODIENST EPHEMERIS for the year 1200
geocentric

DECEMBER 1200 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 7 21	16♐24'55	21♍16	5♑42	3♐31	23♈28	9♐ 2	11♓47	27°R 7	15♓10	28°R32	9°R 1	9♋52	29♌11	9°R13	F 1
S 2	5 11 18	17°26'05	3♎19	6°57	4°46	23°38	9°15	11°50	27♋ 5	15°11	28♋31	9♋ 0	9°48	29°18	9♉11	S 2
S 3	5 15 14	18°27'15	15°36	8°10	6° 2	23°49	9°29	11°52	27° 3	15°11	28°30	8°58	9°45	29°25	9° 8	S 3
M 4	5 19 11	19°28'25	28° 9	9°18	7°17	24° 1	9°42	11°55	27° 1	15°11	28°29	8°56	9°42	29°31	9° 6	M 4
T 5	5 23 8	20°29'37	11♏ 4	10°23	8°33	24°13	9°56	11°58	26°59	15°12	28°28	8°53	9°39	29°38	9° 4	T 5
W 6	5 27 4	21°30'49	24°19	11°22	9°48	24°26	10° 9	12° 1	26°57	15°13	28°27	8°50	9°36	29°45	9° 2	W 6
T 7	5 31 1	22°32'01	7♐57	12°16	11° 4	24°40	10°23	12° 4	26°55	15°13	28°26	8°48	9°33	29°51	9° 0	T 7
F 8	5 34 57	23°33'14	21°54	13° 3	12°19	24°54	10°36	12° 7	26°53	15°14	28°25	8°46	9°29	29°58	8°58	F 8
S 9	5 38 54	24°34'27	6♑ 7	13°42	13°35	25° 8	10°50	12°11	26°51	15°14	28°24	8°D46	9°26	0♍ 5	8°56	S 9
S 10	5 42 50	25°35'40	20°31	14°14	14°50	25°24	11° 3	12°14	26°49	15°15	28°23	8°46	9°23	0°11	8°54	S 10
M11	5 46 47	26°36'53	5♒ 1	14°36	16° 6	25°39	11°17	12°17	26°47	15°16	28°22	8°47	9°20	0°18	8°52	M11
T 12	5 50 43	27°38'06	19°31	14°48	17°21	25°55	11°30	12°21	26°45	15°17	28°20	8°48	9°17	0°25	8°50	T 12
W13	5 54 40	28°39'19	3♓57	14°R49	18°37	26°12	11°43	12°25	26°43	15°17	28°19	8°49	9°13	0°32	8°49	W13
T 14	5 58 37	29°40'31	18°14	14°39	19°52	26°29	11°57	12°28	26°40	15°18	28°18	8°49	9°10	0°38	8°47	T 14
F 15	6 2 33	0♑41'43	2♈21	14°17	21° 7	26°47	12°10	12°32	26°38	15°19	28°17	8°R49	9° 7	0°45	8°45	F 15
S 16	6 6 30	1°42'55	16°16	13°43	22°23	27° 5	12°23	12°36	26°36	15°20	28°16	8°49	9° 4	0°52	8°44	S 16
S 17	6 10 26	2°44'06	29°58	12°58	23°38	27°24	12°36	12°40	26°34	15°21	28°15	8°49	9° 1	0°58	8°42	S 17
M18	6 14 23	3°45'17	13♉26	12° 2	24°54	27°43	12°50	12°44	26°31	15°22	28°13	8°48	8°58	1° 5	8°41	M18
T 19	6 18 19	4°46'27	26°40	10°56	26° 9	28° 2	13° 3	12°48	26°29	15°23	28°12	8°48	8°54	1°12	8°39	T 19
W20	6 22 16	5°47'37	9♊41	9°44	27°25	28°22	13°16	12°53	26°27	15°24	28°11	8°47	8°51	1°18	8°38	W20
T 21	6 26 12	6°48'47	22°30	8°27	28°40	28°42	13°29	12°57	26°24	15°25	28°10	8°47	8°48	1°25	8°37	T 21
F 22	6 30 9	7°49'56	5♋ 5	7° 7	29°56	29° 3	13°42	13° 1	26°22	15°26	28° 8	8°D47	8°45	1°32	8°35	F 22
S 23	6 34 6	8°51'06	17°28	5°47	1♑11	29°24	13°55	13° 6	26°19	15°27	28° 7	8°R47	8°42	1°38	8°34	S 23
S 24	6 38 2	9°52'14	29°40	4°30	2°26	29°45	14° 8	13°11	26°17	15°28	28° 6	8°47	8°39	1°45	8°33	S 24
M25	6 41 59	10°53'23	11♌43	3°18	3°42	0♉ 7	14°21	13°15	26°14	15°30	28° 4	8°47	8°35	1°52	8°32	M25
T 26	6 45 55	11°54'31	23°39	2°12	4°57	0°29	14°34	13°20	26°12	15°31	28° 3	8°46	8°32	1°59	8°31	T 26
W27	6 49 52	12°55'38	5♍30	1°14	6°13	0°52	14°47	13°25	26° 9	15°32	28° 2	8°46	8°29	2° 5	8°30	W27
T 28	6 53 48	13°56'46	17°21	0°25	7°28	1°14	15° 0	13°30	26° 7	15°33	28° 0	8°45	8°26	2°12	8°29	T 28
F 29	6 57 45	14°57'53	29°14	29♐45	8°44	1°37	15°12	13°35	26° 4	15°35	27°59	8°45	8°23	2°19	8°28	F 29
S 30	7 1 41	15°58'59	11♎15	29°15	9°59	2° 1	15°25	13°40	26° 2	15°36	27°58	8°D44	8°19	2°25	8°28	S 30
S 31	7 5 38	17♑ 0'06	23♎28	28♐55	11♑14	2♉25	15♐38	13♓45	25♋59	15♓37	27♋56	8♋44	8♋16	2♍32	8♉27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s51	8n 4	5n 0	25s27	2s 1	20s22	0n36	9n52	0n46	21s26	0n29	9s12	2s12	21n23	0n34	7s 3	1s17	25n59	5n34	23n14	23n10	15n28	13n23	1s19	F 1
S 2	22 57	3 28	5 14	25 18	1 56	20 38	0 33	9 58	0 48	21 28	0 28	9 11	2 12	21 24	0 34	7 3	1 17	25 59	5 34	23 14	23 11	15 26	13 22	1 19	S 2
S 3	23 2	1s21	5 13	25 7	1 50	20 54	0 31	10 3	0 50	21 30	0 28	9 10	2 11	21 24	0 34	7 3	1 17	26 0	5 34	23 14	23 11	15 24	13 21	1 19	S 3
M 4	23 7	6 14	4 58	24 55	1 43	21 9	0 29	10 9	0 51	21 32	0 28	9 8	2 11	21 24	0 34	7 2	1 17	26 0	5 34	23 14	23 11	15 22	13 21	1 19	M 4
T 5	23 12	10 59	4 27	24 42	1 35	21 23	0 26	10 15	0 53	21 34	0 28	9 7	2 11	21 25	0 34	7 2	1 17	26 1	5 34	23 15	23 11	15 20	13 20	1 19	T 5
W 6	23 16	15 21	3 42	24 28	1 25	21 37	0 24	10 21	0 54	21 36	0 28	9 6	2 11	21 25	0 34	7 2	1 17	26 1	5 35	23 15	23 12	15 18	13 19	1 19	W 6
T 7	23 20	19 3	2 42	24 13	1 15	21 50	0 22	10 27	0 56	21 38	0 28	9 4	2 11	21 26	0 34	7 2	1 17	26 1	5 35	23 15	23 12	15 17	13 18	1 19	T 7
F 8	23 23	21 46	1 32	23 57	1 3	22 3	0 19	10 34	0 57	21 40	0 28	9 3	2 10	21 26	0 34	7 1	1 17	26 2	5 35	23 15	23 12	15 15	13 18	1 19	F 8
S 9	23 26	23 9	0 15	23 40	0 50	22 15	0 17	10 40	0 58	21 42	0 28	9 2	2 10	21 26	0 34	7 1	1 17	26 2	5 35	23 15	23 12	15 13	13 17	1 19	S 9
S 10	23 28	23 2	1s 5	23 23	0 36	22 26	0 14	10 47	1 0	21 44	0 28	9 0	2 10	21 27	0 34	7 1	1 17	26 3	5 35	23 15	23 13	15 11	13 16	1 19	S 10
M11	23 30	21 22	2 20	23 5	0 21	22 37	0 12	10 54	1 1	21 46	0 28	8 59	2 10	21 27	0 34	7 0	1 17	26 3	5 35	23 15	23 13	15 9	13 16	1 19	M11
T 12	23 31	18 18	3 27	22 48	0 5	22 47	0 9	11 1	1 2	21 48	0 28	8 57	2 10	21 28	0 35	7 0	1 17	26 3	5 36	23 15	23 13	15 7	13 15	1 19	T 12
W13	23 32	14 8	4 20	22 30	0n13	22 56	0 7	11 8	1 3	21 50	0 28	8 56	2 10	21 28	0 35	7 0	1 17	26 4	5 36	23 15	23 13	15 5	13 15	1 19	W13
T 14	23 33	9 13	4 57	22 13	0 31	23 5	0 5	11 16	1 5	21 52	0 28	8 54	2 9	21 29	0 35	6 59	1 16	26 4	5 36	23 15	23 13	15 3	13 14	1 19	T 14
F 15	23 32	3 52	5 15	21 57	0 50	23 13	0 2	11 23	1 6	21 54	0 28	8 52	2 9	21 29	0 35	6 59	1 16	26 5	5 36	23 15	23 14	15 2	13 14	1 19	F 15
S 16	23 32	1n35	5 14	21 41	1 10	23 20	0s 0	11 31	1 7	21 55	0 27	8 51	2 9	21 29	0 35	6 59	1 16	26 5	5 36	23 15	23 14	15 0	13 13	1 19	S 16
S 17	23 31	6 53	4 56	21 26	1 29	23 26	0 3	11 39	1 8	21 57	0 27	8 49	2 9	21 30	0 35	6 58	1 16	26 5	5 36	23 15	23 14	14 58	13 13	1 19	S 17
M18	23 29	11 47	4 21	21 12	1 48	23 32	0 5	11 46	1 9	21 59	0 27	8 47	2 9	21 30	0 35	6 58	1 16	26 6	5 37	23 15	23 14	14 56	13 12	1 19	M18
T 19	23 27	16 2	3 33	20 59	2 7	23 37	0 8	11 54	1 10	22 1	0 27	8 45	2 9	21 31	0 35	6 57	1 16	26 6	5 37	23 15	23 15	14 54	13 12	1 19	T 19
W20	23 25	19 27	2 35	20 47	2 24	23 41	0 10	12 2	1 11	22 2	0 27	8 44	2 8	21 31	0 35	6 57	1 16	26 6	5 37	23 15	23 15	14 52	13 11	1 19	W20
T 21	23 22	21 51	1 29	20 37	2 39	23 45	0 12	12 11	1 12	22 4	0 27	8 42	2 8	21 32	0 35	6 57	1 16	26 7	5 37	23 15	23 15	14 50	13 11	1 20	T 21
F 22	23 19	23 6	0 21	20 28	2 53	23 47	0 15	12 19	1 13	22 6	0 27	8 40	2 8	21 32	0 35	6 56	1 16	26 7	5 37	23 15	23 15	14 48	13 10	1 20	F 22
S 23	23 15	23 11	0n48	20 21	3 4	23 49	0 17	12 27	1 14	22 7	0 27	8 38	2 8	21 33	0 35	6 56	1 16	26 8	5 37	23 15	23 15	14 46	13 10	1 20	S 23
S 24	23 10	22 9	1 53	20 15	3 13	23 51	0 19	12 36	1 14	22 9	0 27	8 36	2 8	21 33	0 35	6 55	1 16	26 8	5 37	23 15	23 16	14 44	13 10	1 20	S 24
M25	23 6	20 7	2 53	20 11	3 19	23 51	0 22	12 44	1 15	22 10	0 27	8 34	2 8	21 34	0 35	6 55	1 16	26 8	5 37	23 15	23 16	14 42	13 9	1 20	M25
T 26	23 0	17 13	3 44	20 9	3 23	23 51	0 24	12 53	1 16	22 12	0 27	8 32	2 7	21 34	0 35	6 54	1 16	26 9	5 38	23 15	23 16	14 40	13 9	1 20	T 26
W27	22 55	13 39	4 26	20 8	3 24	23 50	0 26	13 1	1 17	22 14	0 27	8 30	2 7	21 35	0 35	6 54	1 16	26 9	5 38	23 15	23 16	14 38	13 9	1 20	W27
T 28	22 49	9 33	4 55	20 9	3 24	23 48	0 29	13 10	1 18	22 15	0 27	8 28	2 7	21 35	0 35	6 53	1 16	26 10	5 38	23 15	23 16	14 37	13 8	1 20	T 28
F 29	22 42	5 5	5 13	20 11	3 21	23 46	0 31	13 19	1 18	22 16	0 27	8 26	2 7	21 36	0 35	6 53	1 16	26 10	5 38	23 15	23 17	14 35	13 8	1 20	F 29
S 30	22 35	0 23	5 17	20 16	3 17	23 43	0 33	13 28	1 19	22 18	0 27	8 24	2 7	21 36	0 35	6 52	1 16	26 10	5 38	23 15	23 17	14 33	13 8	1 20	S 30
S 31	22s27	4s24	5n 7	20s21	3n11	23s39	0s35	13n37	1n20	22s19	0n27	8s22	2s 7	21n37	0n35	6s51	1s16	26n11	5n38	23n15	23n17	14n31	13n 8	1s20	S 31

Julian Day Number = 2159692.5, Delta T = 13m20s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'53, Lahiri = 12°42'53 Julian Calendar 1 Dec. 1200 == Greg. Calendar 8 Dec. 1200

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

JANUARY 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 9 35	18♉ 1'12	5♏58	28°R43	12♉30	2♉49	15♐50	13♓50	25°R57	15♓39	27°R55	8♋45	8♋13	2♍39	8°R26	M 1
T 2	7 13 31	19° 2'17	18°49	28°D40	13°45	3°13	16° 3	13°56	25♋54	15°40	27♋54	8°46	8°10	2°45	8♉26	T 2
W 3	7 17 28	20° 3'22	2♐ 3	28♐45	15° 1	3°38	16°15	14° 1	25°51	15°42	27°52	8°47	8° 7	2°52	8°25	W 3
T 4	7 21 24	21° 4'27	15°43	28°58	16°16	4° 3	16°28	14° 6	25°49	15°43	27°51	8°48	8° 4	2°59	8°25	T 4
F 5	7 25 21	22° 5'31	29°49	29°18	17°31	4°28	16°40	14°12	25°46	15°45	27°50	8°48	8° 0	3° 6	8°25	F 5
S 6	7 29 17	23° 6'34	14♉18	29°44	18°47	4°54	16°52	14°18	25°43	15°46	27°48	8°R48	7°57	3°12	8°24	S 6
S 7	7 33 14	24° 7'37	29° 5	0♊15	20° 2	5°19	17° 5	14°23	25°41	15°48	27°47	8°48	7°54	3°19	8°24	S 7
M 8	7 37 11	25° 8'38	14♒ 2	0°52	21°17	5°46	17°17	14°29	25°38	15°49	27°45	8°46	7°51	3°26	8°24	M 8
T 9	7 41 7	26° 9'38	29° 0	1°34	22°33	6°12	17°29	14°35	25°36	15°51	27°44	8°44	7°48	3°32	8°24	T 9
W10	7 45 4	27°10'37	13♓52	2°20	23°48	6°38	17°41	14°41	25°33	15°52	27°43	8°42	7°45	3°39	8°D24	W10
T 11	7 49 0	28°11'35	28°30	3°10	25° 3	7° 5	17°53	14°46	25°30	15°54	27°41	8°39	7°41	3°46	8°24	T 11
F 12	7 52 57	29°12'32	12♈50	4° 4	26°19	7°32	18° 5	14°52	25°28	15°56	27°40	8°38	7°38	3°52	8°24	F 12
S 13	7 56 53	0♒13'27	26°48	5° 1	27°34	8° 0	18°17	14°58	25°25	15°58	27°38	8°D37	7°35	3°59	8°24	S 13
S 14	8 0 50	1°14'20	10♉24	6° 0	28°49	8°27	18°28	15° 4	25°22	15°59	27°37	8°37	7°32	4° 6	8°24	S 14
M15	8 4 46	2°15'12	23°40	7° 3	0♒ 5	8°55	18°40	15°11	25°20	16° 1	27°36	8°38	7°29	4°13	8°25	M15
T 16	8 8 43	3°16'03	6♊37	8° 8	1°20	9°23	18°52	15°17	25°17	16° 3	27°34	8°40	7°25	4°19	8°25	T 16
W17	8 12 40	4°16'53	19°18	9°15	2°35	9°51	19° 3	15°23	25°15	16° 5	27°33	8°41	7°22	4°26	8°25	W17
T 18	8 16 36	5°17'41	1♋46	10°24	3°50	10°19	19°15	15°29	25°12	16° 6	27°32	8°43	7°19	4°33	8°26	T 18
F 19	8 20 33	6°18'27	14° 4	11°36	5° 6	10°48	19°26	15°36	25°10	16° 8	27°30	8°R43	7°16	4°39	8°26	F 19
S 20	8 24 29	7°19'12	26°12	12°49	6°21	11°17	19°37	15°42	25° 7	16°10	27°29	8°41	7°13	4°46	8°27	S 20
S 21	8 28 26	8°19'56	8♌14	14° 3	7°36	11°45	19°49	15°49	25° 4	16°12	27°27	8°38	7°10	4°53	8°28	S 21
M22	8 32 22	9°20'38	20°11	15°20	8°51	12°15	20° 0	15°55	25° 2	16°14	27°26	8°34	7° 6	4°59	8°29	M22
T 23	8 36 19	10°21'19	2♍ 4	16°38	10° 6	12°44	20°11	16° 2	24°59	16°16	27°25	8°28	7° 3	5° 6	8°29	T 23
W24	8 40 15	11°21'58	13°55	17°57	11°22	13°13	20°22	16° 8	24°57	16°18	27°23	8°22	7° 0	5°13	8°30	W24
T 25	8 44 12	12°22'37	25°47	19°17	12°37	13°43	20°33	16°15	24°54	16°20	27°22	8°16	6°57	5°20	8°31	T 25
F 26	8 48 9	13°23'13	7♎41	20°39	13°52	14°13	20°43	16°22	24°52	16°22	27°21	8°10	6°54	5°26	8°32	F 26
S 27	8 52 5	14°23'49	19°42	22° 2	15° 7	14°42	20°54	16°28	24°50	16°24	27°19	8° 6	6°50	5°33	8°33	S 27
S 28	8 56 2	15°24'23	1♏53	23°26	16°22	15°12	21° 5	16°35	24°47	16°26	27°18	8° 3	6°47	5°40	8°34	S 28
M29	8 59 58	16°24'56	14°18	24°51	17°37	15°43	21°15	16°42	24°45	16°28	27°17	8°D 2	6°44	5°46	8°36	M29
T 30	9 3 55	17°25'28	27° 2	26°18	18°52	16°13	21°25	16°49	24°42	16°30	27°15	8° 2	6°41	5°53	8°37	T 30
W31	9 7 51	18♒25'58	10♐ 8	27♉45	20♒ 8	16♉44	21♐36	16♓56	24♋40	16♓32	27♋14	8♋ 4	6♋38	6♍ 0	8♉38	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s19	9s 8	4n42	20s28	3n 4	23s34	0s37	13n45	1n20	22s21	0n27	8s20	2s 7	21n37	0n35	6s51	1s16	26n11	5n38	23n15	23n17	14n29	13n 7	1s20
T 2	22 11	13 36	4 3	20 35	2 57	23 29	0 40	13 54	1 21	22 22	0 26	8 18	2 6	21 38	0 35	6 50	1 16	26 12	5 38	23 15	23 17	14 27	13 7	1 20
W 3	22 2	17 34	3 10	20 44	2 48	23 23	0 42	14 4	1 22	22 23	0 26	8 15	2 6	21 38	0 35	6 50	1 16	26 12	5 38	23 15	23 18	14 25	13 7	1 20
T 4	21 53	20 43	2 4	20 53	2 39	23 16	0 44	14 13	1 22	22 25	0 26	8 13	2 6	21 39	0 35	6 49	1 16	26 12	5 38	23 15	23 18	14 23	13 7	1 20
F 5	21 43	22 43	0 50	21 3	2 30	23 9	0 46	14 22	1 23	22 26	0 26	8 11	2 6	21 39	0 35	6 49	1 16	26 13	5 39	23 15	23 18	14 21	13 7	1 20
S 6	21 33	23 16	0s30	21 13	2 20	23 1	0 48	14 31	1 23	22 27	0 26	8 9	2 6	21 40	0 35	6 48	1 16	26 13	5 39	23 15	23 18	14 19	13 7	1 20
S 7	21 23	22 13	1 50	21 23	2 10	22 52	0 50	14 40	1 24	22 29	0 26	8 6	2 6	21 40	0 35	6 47	1 16	26 13	5 39	23 15	23 18	14 17	13 7	1 20
M 8	21 12	19 36	3 3	21 33	1 59	22 42	0 52	14 49	1 24	22 30	0 26	8 4	2 6	21 41	0 35	6 47	1 16	26 14	5 39	23 15	23 19	14 15	13 6	1 20
T 9	21 1	15 40	4 3	21 43	1 49	22 32	0 54	14 59	1 25	22 31	0 26	8 2	2 6	21 41	0 35	6 46	1 16	26 14	5 39	23 15	23 19	14 13	13 6	1 20
W10	20 49	10 46	4 46	21 53	1 39	22 21	0 55	15 8	1 25	22 32	0 26	7 59	2 5	21 42	0 35	6 45	1 16	26 15	5 39	23 15	23 19	14 11	13 6	1 20
T 11	20 37	5 20	5 11	22 2	1 28	22 9	0 57	15 17	1 26	22 33	0 26	7 57	2 5	21 42	0 35	6 45	1 16	26 15	5 39	23 16	23 19	14 9	13 6	1 20
F 12	20 24	0n16	5 15	22 11	1 18	21 57	0 59	15 27	1 26	22 34	0 26	7 54	2 5	21 43	0 35	6 44	1 16	26 15	5 39	23 16	23 19	14 7	13 6	1 20
S 13	20 11	5 43	5 0	22 19	1 8	21 44	1 1	15 36	1 27	22 36	0 26	7 52	2 5	21 43	0 35	6 43	1 16	26 16	5 39	23 16	23 19	14 5	13 7	1 20
S 14	19 58	10 45	4 28	22 27	0 58	21 30	1 2	15 45	1 27	22 37	0 26	7 49	2 5	21 44	0 35	6 43	1 16	26 16	5 39	23 16	23 20	14 3	13 7	1 20
M15	19 45	15 10	3 43	22 34	0 48	21 16	1 4	15 55	1 28	22 38	0 26	7 47	2 5	21 44	0 35	6 42	1 16	26 16	5 39	23 16	23 20	14 1	13 7	1 20
T 16	19 31	18 45	2 48	22 40	0 38	21 1	1 5	16 4	1 28	22 39	0 26	7 44	2 5	21 45	0 35	6 41	1 16	26 17	5 39	23 15	23 20	13 59	13 7	1 20
W17	19 16	21 22	1 45	22 45	0 28	20 45	1 7	16 14	1 28	22 40	0 26	7 42	2 5	21 45	0 35	6 40	1 16	26 17	5 39	23 15	23 20	13 57	13 7	1 20
T 18	19 2	22 54	0 38	22 49	0 19	20 29	1 8	16 23	1 29	22 41	0 26	7 39	2 5	21 46	0 35	6 40	1 15	26 17	5 40	23 15	23 20	13 55	13 7	1 20
F 19	18 47	23 17	0n29	22 52	0 10	20 12	1 10	16 32	1 29	22 42	0 26	7 37	2 4	21 46	0 35	6 39	1 15	26 18	5 40	23 15	23 21	13 53	13 7	1 20
S 20	18 31	22 33	1 35	22 54	0 1	19 55	1 11	16 42	1 29	22 43	0 26	7 34	2 4	21 47	0 35	6 38	1 15	26 18	5 40	23 15	23 21	13 51	13 7	1 20
S 21	18 16	20 46	2 35	22 56	0s 8	19 37	1 13	16 51	1 30	22 43	0 26	7 32	2 4	21 47	0 35	6 38	1 15	26 18	5 40	23 16	23 21	13 48	13 8	1 20
M22	18 0	18 6	3 28	22 56	0 16	19 18	1 14	17 0	1 30	22 44	0 26	7 29	2 4	21 47	0 35	6 37	1 15	26 19	5 40	23 16	23 21	13 46	13 8	1 20
T 23	17 43	14 41	4 11	22 54	0 24	18 59	1 15	17 10	1 30	22 45	0 25	7 26	2 4	21 48	0 35	6 36	1 15	26 19	5 40	23 16	23 21	13 44	13 8	1 20
W24	17 27	10 42	4 43	22 52	0 32	18 40	1 16	17 19	1 31	22 46	0 25	7 24	2 4	21 48	0 35	6 35	1 15	26 19	5 40	23 17	23 21	13 42	13 8	1 20
T 25	17 10	6 20	5 4	22 49	0 40	18 20	1 17	17 28	1 31	22 47	0 25	7 21	2 4	21 49	0 35	6 34	1 15	26 20	5 40	23 17	23 22	13 40	13 9	1 20
F 26	16 52	1 42	5 11	22 44	0 47	17 59	1 18	17 37	1 31	22 48	0 25	7 18	2 4	21 49	0 35	6 34	1 15	26 20	5 40	23 17	23 22	13 38	13 9	1 20
S 27	16 35	3s 2	5 5	22 38	0 55	17 38	1 19	17 46	1 31	22 48	0 25	7 16	2 4	21 50	0 35	6 33	1 15	26 20	5 40	23 18	23 22	13 36	13 9	1 20
S 28	16 17	7 43	4 45	22 30	1 1	17 16	1 20	17 56	1 32	22 49	0 25	7 13	2 4	21 50	0 35	6 32	1 15	26 20	5 40	23 18	23 22	13 34	13 10	1 20
M29	15 59	12 12	4 11	22 22	1 8	16 54	1 21	18 5	1 32	22 50	0 25	7 10	2 4	21 51	0 35	6 31	1 15	26 21	5 40	23 18	23 22	13 32	13 10	1 20
T 30	15 41	16 16	3 24	22 12	1 14	16 31	1 22	18 14	1 32	22 51	0 25	7 7	2 4	21 51	0 35	6 30	1 15	26 21	5 40	23 18	23 22	13 30	13 11	1 20
W31	15s22	19s40	2n26	22s 1	1s20	16s 8	1s22	18n23	1n32	22s51	0n25	7s 5	2s 4	21n51	0n35	6s30	1s15	26n21	5n40	23n18	23n23	13n28	13n11	1s20

Julian Day Number = 2159723.5, Delta T = 13m20s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'57, Lahiri = 12°42'58 Julian Calendar 1 Jan. 1201 == Greg. Calendar 8 Jan. 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

FEBRUARY 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 48	19♒26'28	23♐41	29♑14	21♒23	17♉14	21♐46	17♓ 3	24°R38	16♓34	27°R13	8♋ 5	6♋35	6♍ 6	8♉39	T 1
F 2	9 15 44	20°26'55	7♑42	0♒44	22°38	17°45	21°56	17°10	24♋35	16°36	27♋12	8°R 6	6°31	6°13	8°41	F 2
S 3	9 19 41	21°27'22	22°10	2°14	23°53	18°16	22° 6	17°17	24°33	16°38	27°10	8° 5	6°28	6°20	8°42	S 3
S 4	9 23 38	22°27'47	7♒ 2	3°46	25° 8	18°47	22°16	17°24	24°31	16°40	27° 9	8° 2	6°25	6°27	8°44	S 4
M 5	9 27 34	23°28'10	22°12	5°18	26°23	19°18	22°25	17°31	24°29	16°42	27° 8	7°57	6°22	6°33	8°46	M 5
T 6	9 31 31	24°28'31	7♓28	6°52	27°38	19°49	22°35	17°38	24°27	16°44	27° 7	7°50	6°19	6°40	8°47	T 6
W 7	9 35 27	25°28'50	22°42	8°27	28°53	20°21	22°45	17°45	24°24	16°46	27° 5	7°43	6°16	6°47	8°49	W 7
T 8	9 39 24	26°29'08	7♈41	10° 2	0♓ 8	20°52	22°54	17°52	24°22	16°49	27° 4	7°36	6°12	6°53	8°51	T 8
F 9	9 43 20	27°29'23	22°19	11°39	1°23	21°24	23° 3	17°59	24°20	16°51	27° 3	7°29	6° 9	7° 0	8°53	F 9
S 10	9 47 17	28°29'37	6♉29	13°17	2°38	21°56	23°13	18° 7	24°18	16°53	27° 2	7°25	6° 6	7° 7	8°54	S 10
S 11	9 51 13	29°29'48	20°12	14°55	3°53	22°28	23°22	18°14	24°16	16°55	27° 1	7°23	6° 3	7°14	8°56	S 11
M12	9 55 10	0♓29'57	3♊27	16°35	5° 8	23° 0	23°31	18°21	24°14	16°57	27° 0	7°D22	6° 0	7°20	8°58	M12
T 13	9 59 7	1°30'04	16°19	18°16	6°23	23°32	23°39	18°28	24°12	16°59	26°59	7°23	5°56	7°27	9° 1	T 13
W14	10 3 3	2°30'09	28°52	19°58	7°37	24° 4	23°48	18°36	24°10	17° 2	26°57	7°24	5°53	7°34	9° 3	W14
T 15	10 7 0	3°30'12	11♋ 9	21°41	8°52	24°36	23°57	18°43	24° 8	17° 4	26°56	7°R25	5°50	7°40	9° 5	T 15
F 16	10 10 56	4°30'12	23°15	23°25	10° 7	25° 9	24° 5	18°50	24° 7	17° 6	26°55	7°23	5°47	7°47	9° 7	F 16
S 17	10 14 53	5°30'11	5♌13	25°10	11°22	25°41	24°13	18°58	24° 5	17° 8	26°54	7°19	5°44	7°54	9° 9	S 17
S 18	10 18 49	6°30'07	17° 7	26°56	12°37	26°14	24°22	19° 5	24° 3	17°11	26°53	7°13	5°41	8° 0	9°12	S 18
M19	10 22 46	7°30'01	28°59	28°44	13°51	26°47	24°30	19°13	24° 1	17°13	26°52	7° 4	5°37	8° 7	9°14	M19
T 20	10 26 42	8°29'54	10♍50	0♓32	15° 6	27°19	24°37	19°20	24° 0	17°15	26°51	6°53	5°34	8°14	9°17	T 20
W21	10 30 39	9°29'44	22°43	2°22	16°21	27°52	24°45	19°28	23°58	17°17	26°50	6°40	5°31	8°21	9°19	W21
T 22	10 34 35	10°29'32	4♎38	4°13	17°36	28°25	24°53	19°35	23°57	17°20	26°49	6°28	5°28	8°27	9°22	T 22
F 23	10 38 32	11°29'18	16°37	6° 5	18°50	28°58	25° 0	19°42	23°55	17°22	26°48	6°17	5°25	8°34	9°24	F 23
S 24	10 42 29	12°29'03	28°43	7°58	20° 5	29°31	25° 8	19°50	23°54	17°24	26°48	6° 7	5°22	8°41	9°27	S 24
S 25	10 46 25	13°28'46	10♏57	9°53	21°20	0♊ 4	25°15	19°57	23°52	17°26	26°47	6° 0	5°18	8°47	9°29	S 25
M26	10 50 22	14°28'27	23°23	11°48	22°34	0°38	25°22	20° 5	23°51	17°29	26°46	5°55	5°15	8°54	9°32	M26
T 27	10 54 18	15°28'06	6♐ 4	13°45	23°49	1°11	25°29	20°12	23°49	17°31	26°45	5°53	5°12	9° 1	9°35	T 27
W28	10 58 15	16♓27'43	19♐ 4	15♓42	25♓ 3	1♊44	25♐36	20♓20	23♋48	17♓33	26♋44	5°D53	5♋ 9	9♍ 8	9♉38	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 3	22s 6	1n17	21s48	1s26	15s45	1s23	18n32	1n33	22s52	0n25	7s 2	2s 3	21n52	0n35	6s29	1s15	26n22	5n40	23n18	23n23	13n26	13n11	1s20
F 2	14 44	23 17	0 2	21 34	1 31	15 21	1 24	18 41	1 33	22 53	0 25	6 59	2 3	21 52	0 35	6 28	1 15	26 22	5 40	23 18	23 23	13 24	13 12	1 20
S 3	14 25	22 57	1s16	21 19	1 36	14 57	1 24	18 50	1 33	22 53	0 25	6 56	2 3	21 53	0 35	6 27	1 15	26 22	5 40	23 18	23 23	13 22	13 12	1 20
S 4	14 5	21 1	2 30	21 2	1 41	14 32	1 25	18 58	1 33	22 54	0 25	6 53	2 3	21 53	0 35	6 26	1 15	26 22	5 40	23 18	23 23	13 19	13 13	1 20
M 5	13 45	17 34	3 35	20 44	1 45	14 7	1 25	19 7	1 33	22 55	0 25	6 51	2 3	21 53	0 35	6 26	1 15	26 23	5 40	23 18	23 23	13 17	13 13	1 20
T 6	13 25	12 54	4 26	20 24	1 49	13 41	1 26	19 16	1 33	22 55	0 25	6 48	2 3	21 54	0 35	6 25	1 15	26 23	5 40	23 19	23 23	13 15	13 14	1 20
W 7	13 5	7 27	4 57	20 3	1 53	13 15	1 26	19 25	1 33	22 56	0 25	6 45	2 3	21 54	0 35	6 24	1 15	26 23	5 40	23 19	23 24	13 13	13 14	1 20
T 8	12 44	1 39	5 7	19 40	1 56	12 49	1 26	19 33	1 34	22 56	0 25	6 42	2 3	21 55	0 35	6 23	1 15	26 23	5 40	23 19	23 24	13 11	13 15	1 20
F 9	12 24	4n 7	4 57	19 16	1 59	12 22	1 26	19 42	1 34	22 57	0 25	6 39	2 3	21 55	0 35	6 22	1 15	26 24	5 40	23 20	23 24	13 9	13 16	1 20
S 10	12 3	9 30	4 29	18 51	2 2	11 55	1 26	19 50	1 34	22 57	0 25	6 36	2 3	21 55	0 35	6 21	1 15	26 24	5 40	23 20	23 24	13 7	13 16	1 20
S 11	11 42	14 14	3 46	18 24	2 4	11 28	1 26	19 59	1 34	22 58	0 25	6 33	2 3	21 56	0 35	6 20	1 15	26 24	5 40	23 20	23 24	13 5	13 17	1 20
M12	11 21	18 7	2 52	17 56	2 6	11 1	1 26	20 7	1 34	22 58	0 25	6 31	2 3	21 56	0 35	6 20	1 15	26 24	5 40	23 20	23 24	13 2	13 17	1 20
T 13	10 59	21 0	1 51	17 26	2 7	10 33	1 26	20 15	1 34	22 59	0 25	6 28	2 3	21 56	0 35	6 19	1 15	26 24	5 40	23 20	23 25	13 0	13 18	1 20
W14	10 38	22 46	0 46	16 55	2 8	10 5	1 26	20 24	1 34	22 59	0 25	6 25	2 3	21 57	0 35	6 18	1 15	26 25	5 40	23 20	23 25	12 58	13 19	1 20
T 15	10 16	23 24	0n20	16 22	2 9	9 36	1 26	20 32	1 34	23 0	0 25	6 22	2 3	21 57	0 35	6 17	1 15	26 25	5 40	23 20	23 25	12 56	13 19	1 20
F 16	9 54	22 55	1 24	15 48	2 9	9 8	1 26	20 40	1 34	23 0	0 25	6 19	2 3	21 57	0 35	6 16	1 15	26 25	5 40	23 20	23 25	12 54	13 20	1 20
S 17	9 32	21 21	2 23	15 12	2 8	8 39	1 25	20 48	1 34	23 1	0 24	6 16	2 3	21 58	0 35	6 15	1 15	26 25	5 40	23 20	23 25	12 52	13 21	1 20
S 18	9 10	18 52	3 16	14 35	2 7	8 10	1 25	20 55	1 35	23 1	0 24	6 13	2 3	21 58	0 35	6 14	1 15	26 25	5 40	23 21	23 25	12 50	13 22	1 20
M19	8 48	15 37	3 59	13 56	2 6	7 40	1 24	21 3	1 35	23 1	0 24	6 10	2 3	21 58	0 35	6 13	1 15	26 26	5 40	23 21	23 25	12 47	13 22	1 20
T 20	8 25	11 44	4 32	13 16	2 4	7 11	1 24	21 11	1 35	23 2	0 24	6 7	2 3	21 58	0 35	6 13	1 15	26 26	5 40	23 22	23 25	12 45	13 23	1 20
W21	8 3	7 24	4 54	12 34	2 2	6 41	1 23	21 18	1 35	23 2	0 24	6 4	2 3	21 59	0 35	6 12	1 15	26 26	5 40	23 22	23 26	12 43	13 24	1 20
T 22	7 40	2 46	5 2	11 51	1 59	6 11	1 23	21 26	1 35	23 2	0 24	6 1	2 3	21 59	0 35	6 11	1 15	26 26	5 40	23 23	23 26	12 41	13 25	1 20
F 23	7 17	1s59	4 58	11 7	1 56	5 41	1 22	21 33	1 35	23 3	0 24	5 58	2 3	21 59	0 35	6 10	1 15	26 26	5 40	23 24	23 26	12 39	13 26	1 20
S 24	6 54	6 42	4 40	10 21	1 52	5 11	1 21	21 41	1 35	23 3	0 24	5 55	2 3	21 59	0 35	6 9	1 15	26 26	5 40	23 24	23 26	12 37	13 26	1 20
S 25	6 31	11 14	4 9	9 34	1 48	4 41	1 20	21 48	1 35	23 3	0 24	5 53	2 3	22 0	0 35	6 8	1 15	26 27	5 40	23 24	23 26	12 34	13 27	1 20
M26	6 8	15 23	3 25	8 45	1 43	4 10	1 19	21 55	1 35	23 4	0 24	5 50	2 3	22 0	0 35	6 7	1 15	26 27	5 40	23 25	23 26	12 32	13 28	1 20
T 27	5 45	18 56	2 31	7 55	1 38	3 40	1 18	22 2	1 35	23 4	0 24	5 47	2 3	22 0	0 35	6 6	1 15	26 27	5 40	23 25	23 26	12 30	13 29	1 20
W28	5s22	21s38	1n28	7s 4	1s32	3s 9	1s17	22n 9	1n35	23s 4	0n24	5s44	2s 3	22n 0	0n35	6s 6	1s15	26n27	5n40	23n25	23n27	12n28	13n30	1s20

Julian Day Number = 2159754.5, Delta T = 13m19s
Ecliptic obliquity = 23°32'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'02, Lahiri = 12°43'02 Julian Calendar 1 Feb. 1201 == Greg. Calendar 8 Feb. 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

MARCH 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 11	17♓27'19	2♉27	17♓41	26♓18	2♊18	25♐42	20♓27	23°R47	17♓35	26°R43	5°R53	5♋ 6	9♍14	9♉41	T 1
F 2	11 6 8	18°26'53	16°17	19°40	27°33	2°51	25°49	20°35	23♋46	17°38	26♋42	5♋53	5° 2	9°21	9°44	F 2
S 3	11 10 4	19°26'25	0♒33	21°40	28°47	3°25	25°55	20°43	23°44	17°40	26°42	5°51	4°59	9°28	9°47	S 3
S 4	11 14 1	20°25'56	15°16	23°41	0♈ 2	3°59	26° 1	20°50	23°43	17°42	26°41	5°46	4°56	9°34	9°50	S 4
M 5	11 17 58	21°25'24	0♓19	25°42	1°16	4°32	26° 7	20°58	23°42	17°45	26°40	5°39	4°53	9°41	9°53	M 5
T 6	11 21 54	22°24'51	15°35	27°44	2°30	5° 6	26°13	21° 5	23°41	17°47	26°40	5°29	4°50	9°48	9°56	T 6
W 7	11 25 51	23°24'15	0♈53	29°46	3°45	5°40	26°19	21°13	23°40	17°49	26°39	5°18	4°47	9°55	9°59	W 7
T 8	11 29 47	24°23'37	16° 2	1♈48	4°59	6°14	26°25	21°20	23°39	17°51	26°38	5° 7	4°43	10° 1	10° 2	T 8
F 9	11 33 44	25°22'57	0♉51	3°49	6°14	6°48	26°30	21°28	23°38	17°54	26°38	4°57	4°40	10° 8	10° 5	F 9
S 10	11 37 40	26°22'15	15°13	5°49	7°28	7°22	26°35	21°35	23°38	17°56	26°37	4°50	4°37	10°15	10° 8	S 10
S 11	11 41 37	27°21'31	29° 5	7°49	8°42	7°56	26°40	21°43	23°37	17°58	26°36	4°45	4°34	10°21	10°12	S 11
M12	11 45 33	28°20'44	12♊28	9°47	9°57	8°30	26°45	21°50	23°36	18° 0	26°36	4°43	4°31	10°28	10°15	M12
T 13	11 49 30	29°19'55	25°23	11°44	11°11	9° 5	26°50	21°58	23°36	18° 3	26°35	4°42	4°27	10°35	10°18	T 13
W14	11 53 27	0♈19'03	7♋56	13°38	12°25	9°39	26°54	22° 5	23°35	18° 5	26°35	4°42	4°24	10°41	10°22	W14
T 15	11 57 23	1°18'09	20°11	15°30	13°40	10°13	26°59	22°13	23°34	18° 7	26°34	4°41	4°21	10°48	10°25	T 15
F 16	12 1 20	2°17'13	2♌13	17°19	14°54	10°48	27° 3	22°20	23°34	18° 9	26°34	4°39	4°18	10°55	10°29	F 16
S 17	12 5 16	3°16'15	14° 7	19° 5	16° 8	11°22	27° 7	22°28	23°33	18°12	26°34	4°35	4°15	11° 2	10°32	S 17
S 18	12 9 13	4°15'14	25°58	20°46	17°22	11°56	27°11	22°35	23°33	18°14	26°33	4°27	4°12	11° 8	10°36	S 18
M19	12 13 9	5°14'11	7♍48	22°24	18°36	12°31	27°15	22°42	23°33	18°16	26°33	4°17	4° 8	11°15	10°39	M19
T 20	12 17 6	6°13'05	19°40	23°58	19°50	13° 6	27°18	22°50	23°32	18°18	26°32	4° 4	4° 5	11°22	10°43	T 20
W21	12 21 2	7°11'58	1♎37	25°27	21° 4	13°40	27°22	22°57	23°32	18°20	26°32	3°50	4° 2	11°28	10°47	W21
T 22	12 24 59	8°10'48	13°38	26°51	22°18	14°15	27°25	23° 5	23°32	18°22	26°32	3°36	3°59	11°35	10°50	T 22
F 23	12 28 55	9° 9'37	25°46	28°10	23°32	14°49	27°28	23°12	23°32	18°25	26°32	3°22	3°56	11°42	10°54	F 23
S 24	12 32 52	10° 8'23	8♏ 2	29°24	24°46	15°24	27°31	23°19	23°32	18°27	26°31	3°11	3°53	11°49	10°58	S 24
S 25	12 36 49	11° 7'08	20°26	0♉33	26° 0	15°59	27°33	23°27	23°D32	18°29	26°31	3° 2	3°49	11°55	11° 1	S 25
M26	12 40 45	12° 5'51	3♐ 1	1°36	27°14	16°34	27°36	23°34	23°32	18°31	26°31	2°57	3°46	12° 2	11° 5	M26
T 27	12 44 42	13° 4'32	15°49	2°33	28°28	17° 9	27°38	23°41	23°32	18°33	26°31	2°54	3°43	12° 9	11° 9	T 27
W28	12 48 38	14° 3'12	28°52	3°24	29°42	17°44	27°40	23°48	23°32	18°35	26°31	2°D53	3°40	12°15	11°13	W28
T 29	12 52 35	15° 1'49	12♑13	4° 9	0♉56	18°18	27°42	23°56	23°32	18°37	26°30	2°R53	3°37	12°22	11°17	T 29
F 30	12 56 31	16° 0'25	25°55	4°49	2°10	18°53	27°44	24° 3	23°33	18°39	26°30	2°53	3°33	12°29	11°20	F 30
S 31	13 0 28	16♈59'00	9♒59	5♉22	3♉24	19♊28	27♐45	24♓10	23♋33	18♓41	26♋30	2♋51	3♋30	12♍36	11♉24	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	4s59	23s13	0n18	6s12	1s25	2s38	1s16	22n16	1n35	23s 4	0n24	5s41	2s 3	22n 0	0n35	6s 5	1s15	26n27	5n39	23n25	23n27	12n26	13n31	1s20	T 1
F 2	4 35	23 27	0s55	5 18	1 18	2 8	1 15	22 22	1 35	23 5	0 24	5 38	2 3	22 1	0 35	6 4	1 15	26 27	5 39	23 25	23 27	12 23	13 32	1 20	F 2
S 3	4 12	22 11	2 7	4 24	1 10	1 37	1 14	22 29	1 35	23 5	0 24	5 35	2 3	22 1	0 35	6 3	1 15	26 27	5 39	23 25	23 27	12 21	13 33	1 20	S 3
S 4	3 48	19 23	3 12	3 28	1 2	1 6	1 13	22 35	1 35	23 5	0 24	5 32	2 3	22 1	0 35	6 2	1 15	26 27	5 39	23 25	23 27	12 19	13 33	1 20	S 4
M 5	3 25	15 14	4 6	2 32	0 53	0 35	1 11	22 41	1 35	23 5	0 24	5 29	2 3	22 1	0 35	6 1	1 15	26 27	5 39	23 25	23 27	12 17	13 34	1 20	M 5
T 6	3 1	10 3	4 43	1 35	0 44	0 4	1 10	22 48	1 35	23 5	0 24	5 26	2 3	22 1	0 35	6 0	1 15	26 28	5 39	23 26	23 27	12 15	13 35	1 20	T 6
W 7	2 38	4 14	5 0	0 37	0 34	0n27	1 8	22 54	1 35	23 6	0 24	5 23	2 3	22 1	0 34	5 59	1 15	26 28	5 39	23 26	23 27	12 12	13 36	1 20	W 7
T 8	2 14	1n47	4 55	0n21	0 24	0 58	1 7	23 0	1 35	23 6	0 24	5 20	2 3	22 2	0 34	5 58	1 15	26 28	5 39	23 27	23 27	12 10	13 37	1 20	T 8
F 9	1 51	7 35	4 31	1 19	0 14	1 29	1 5	23 6	1 35	23 6	0 24	5 17	2 3	22 2	0 34	5 58	1 15	26 28	5 39	23 27	23 28	12 8	13 38	1 20	F 9
S 10	1 27	12 48	3 50	2 17	0 3	2 0	1 4	23 11	1 35	23 6	0 24	5 14	2 3	22 2	0 34	5 57	1 15	26 28	5 39	23 27	23 28	12 6	13 39	1 20	S 10
S 11	1 3	17 10	2 56	3 15	0n 9	2 31	1 2	23 17	1 34	23 6	0 24	5 11	2 3	22 2	0 34	5 56	1 15	26 28	5 39	23 27	23 28	12 3	13 40	1 20	S 11
M12	0 40	20 29	1 55	4 12	0 20	3 2	1 0	23 22	1 34	23 7	0 24	5 8	2 3	22 2	0 34	5 55	1 15	26 28	5 39	23 28	23 28	12 1	13 41	1 20	M12
T 13	0 16	22 39	0 49	5 9	0 32	3 33	0 59	23 28	1 34	23 7	0 24	5 5	2 3	22 2	0 34	5 54	1 15	26 28	5 39	23 28	23 28	11 59	13 42	1 20	T 13
W14	0n 8	23 35	0n17	6 4	0 44	4 3	0 57	23 33	1 34	23 7	0 24	5 2	2 3	22 2	0 34	5 53	1 15	26 28	5 39	23 28	23 28	11 57	13 43	1 20	W14
T 15	0 31	23 21	1 21	6 59	0 55	4 34	0 55	23 38	1 34	23 7	0 23	5 0	2 3	22 2	0 34	5 52	1 15	26 28	5 39	23 28	23 28	11 54	13 44	1 20	T 15
F 16	0 55	22 1	2 20	7 52	1 7	5 5	0 53	23 43	1 34	23 7	0 23	4 57	2 4	22 2	0 34	5 51	1 15	26 28	5 39	23 28	23 28	11 52	13 45	1 20	F 16
S 17	1 18	19 43	3 12	8 43	1 19	5 35	0 51	23 48	1 34	23 7	0 23	4 54	2 4	22 2	0 34	5 51	1 15	26 28	5 39	23 28	23 28	11 50	13 47	1 20	S 17
S 18	1 42	16 36	3 55	9 32	1 30	6 5	0 49	23 52	1 34	23 7	0 23	4 51	2 4	22 2	0 34	5 50	1 15	26 28	5 38	23 28	23 29	11 48	13 48	1 20	S 18
M19	2 5	12 50	4 29	10 20	1 41	6 36	0 47	23 57	1 34	23 8	0 23	4 48	2 4	22 3	0 34	5 49	1 15	26 28	5 38	23 28	23 29	11 45	13 49	1 20	M19
T 20	2 29	8 33	4 50	11 4	1 52	7 6	0 45	24 1	1 34	23 8	0 23	4 45	2 4	22 3	0 34	5 48	1 15	26 28	5 38	23 29	23 29	11 43	13 50	1 20	T 20
W21	2 52	3 56	4 59	11 47	2 2	7 36	0 43	24 5	1 34	23 8	0 23	4 42	2 4	22 3	0 34	5 47	1 15	26 28	5 38	23 29	23 29	11 41	13 51	1 20	W21
T 22	3 15	0s53	4 55	12 27	2 12	8 5	0 41	24 9	1 34	23 8	0 23	4 39	2 4	22 3	0 34	5 46	1 15	26 28	5 38	23 30	23 29	11 39	13 52	1 21	T 22
F 23	3 39	5 42	4 37	13 4	2 21	8 35	0 39	24 13	1 34	23 8	0 23	4 37	2 4	22 3	0 34	5 46	1 16	26 28	5 38	23 30	23 29	11 36	13 53	1 21	F 23
S 24	4 2	10 21	4 7	13 38	2 29	9 4	0 37	24 17	1 33	23 8	0 23	4 34	2 4	22 3	0 34	5 45	1 16	26 28	5 38	23 30	23 29	11 34	13 54	1 21	S 24
S 25	4 25	14 39	3 24	14 9	2 37	9 33	0 34	24 21	1 33	23 8	0 23	4 31	2 4	22 3	0 34	5 44	1 16	26 28	5 38	23 30	23 29	11 32	13 55	1 21	S 25
M26	4 48	18 23	2 31	14 38	2 43	10 2	0 32	24 24	1 33	23 8	0 23	4 28	2 4	22 3	0 34	5 43	1 16	26 28	5 38	23 31	23 29	11 29	13 56	1 21	M26
T 27	5 11	21 19	1 29	15 3	2 49	10 31	0 30	24 28	1 33	23 8	0 23	4 25	2 4	22 2	0 34	5 42	1 16	26 28	5 38	23 31	23 29	11 27	13 58	1 21	T 27
W28	5 34	23 11	0 21	15 25	2 54	10 59	0 27	24 31	1 33	23 8	0 23	4 22	2 5	22 2	0 34	5 42	1 16	26 28	5 38	23 31	23 30	11 25	13 59	1 21	W28
T 29	5 57	23 48	0s49	15 44	2 57	11 27	0 25	24 34	1 33	23 9	0 23	4 20	2 5	22 2	0 34	5 41	1 16	26 28	5 38	23 31	23 30	11 23	14 0	1 21	T 29
F 30	6 19	23 0	1 59	16 0	3 0	11 55	0 23	24 37	1 33	23 9	0 23	4 17	2 5	22 2	0 34	5 40	1 16	26 28	5 38	23 31	23 30	11 20	14 1	1 21	F 30
S 31	6n42	20s45	3s 3	16n13	3n 1	12n23	0s20	24n40	1n33	23s 9	0n23	4s14	2s 5	22n 2	0n34	5s39	1s16	26n28	5n37	23n31	23n30	11n18	14n 2	1s21	S 31

Julian Day Number = 2159782.5, Delta T = 13m19s
Ecliptic obliquity = 23°32'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'05, Lahiri = 12°43'06 Julian Calendar 1 March 1201 == Greg. Calendar 8 March 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

APRIL 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 24	17♈57'33	24♒25	5♉49	4♉37	20♊ 4	27♐47	24♓17	23♋33	18♓44	26°R30	2°R47	3♋27	12♍42	11♉28	S 1
M 2	13 8 21	18°56'03	9♓11	6°10	5°51	20°39	27°48	24°24	23°34	18°46	26°D30	2♋40	3°24	12°49	11°32	M 2
T 3	13 12 18	19°54'33	24°11	6°26	7° 5	21°14	27°49	24°31	23°34	18°48	26♋30	2°32	3°21	12°56	11°36	T 3
W 4	13 16 14	20°53'00	9♈15	6°35	8°18	21°49	27°50	24°38	23°35	18°50	26°30	2°21	3°18	13° 2	11°40	W 4
T 5	13 20 11	21°51'26	24°14	6°R38	9°32	22°24	27°50	24°45	23°35	18°52	26°30	2°11	3°14	13° 9	11°44	T 5
F 6	13 24 7	22°49'50	8♉59	6°36	10°46	22°59	27°51	24°52	23°36	18°54	26°30	2° 1	3°11	13°16	11°48	F 6
S 7	13 28 4	23°48'11	23°21	6°28	11°59	23°35	27°51	24°59	23°37	18°55	26°31	1°54	3° 8	13°23	11°52	S 7
S 8	13 32 0	24°46'31	7♊17	6°16	13°13	24°10	27°R51	25° 6	23°37	18°57	26°31	1°49	3° 5	13°29	11°56	S 8
M 9	13 35 57	25°44'49	20°44	5°58	14°27	24°45	27°51	25°13	23°38	18°59	26°31	1°47	3° 2	13°36	12° 0	M 9
T 10	13 39 53	26°43'05	3♋45	5°36	15°40	25°21	27°50	25°20	23°39	19° 1	26°31	1°D46	2°59	13°43	12° 4	T 10
W11	13 43 50	27°41'19	16°22	5° 9	16°54	25°56	27°50	25°26	23°40	19° 3	26°31	1°47	2°55	13°49	12° 8	W11
T 12	13 47 47	28°39'31	28°40	4°40	18° 7	26°32	27°49	25°33	23°41	19° 5	26°32	1°R47	2°52	13°56	12°13	T 12
F 13	13 51 43	29°37'40	10♌44	4° 7	19°20	27° 7	27°48	25°40	23°42	19° 7	26°32	1°47	2°49	14° 3	12°17	F 13
S 14	13 55 40	0♉35'48	22°39	3°32	20°34	27°43	27°47	25°47	23°43	19° 9	26°32	1°44	2°46	14°10	12°21	S 14
S 15	13 59 36	1°33'53	4♍30	2°56	21°47	28°18	27°46	25°53	23°44	19°10	26°33	1°39	2°43	14°16	12°25	S 15
M16	14 3 33	2°31'57	16°21	2°18	23° 1	28°54	27°44	26° 0	23°45	19°12	26°33	1°32	2°39	14°23	12°29	M16
T 17	14 7 29	3°29'59	28°16	1°41	24°14	29°29	27°43	26° 6	23°46	19°14	26°33	1°23	2°36	14°30	12°33	T 17
W18	14 11 26	4°27'59	10♎18	1° 3	25°27	0♋ 5	27°41	26°13	23°48	19°16	26°34	1°13	2°33	14°36	12°37	W18
T 19	14 15 22	5°25'57	22°27	0°27	26°40	0°40	27°39	26°19	23°49	19°17	26°34	1° 2	2°30	14°43	12°42	T 19
F 20	14 19 19	6°23'53	4♏47	29♈52	27°54	1°16	27°37	26°26	23°50	19°19	26°35	0°52	2°27	14°50	12°46	F 20
S 21	14 23 16	7°21'48	17°17	29°19	29° 7	1°52	27°34	26°32	23°52	19°21	26°35	0°44	2°24	14°57	12°50	S 21
S 22	14 27 12	8°19'42	29°57	28°49	0♊20	2°28	27°32	26°38	23°53	19°22	26°36	0°38	2°20	15° 3	12°54	S 22
M23	14 31 9	9°17'34	12♐49	28°23	1°33	3° 3	27°29	26°44	23°55	19°24	26°36	0°34	2°17	15°10	12°58	M23
T 24	14 35 5	10°15'25	25°52	27°59	2°46	3°39	27°26	26°51	23°56	19°26	26°37	0°D33	2°14	15°17	13° 3	T 24
W25	14 39 2	11°13'14	9♑ 9	27°40	3°59	4°15	27°23	26°57	23°58	19°27	26°37	0°33	2°11	15°23	13° 7	W25
T 26	14 42 58	12°11'02	22°38	27°25	5°12	4°51	27°20	27° 3	23°59	19°29	26°38	0°34	2° 8	15°30	13°11	T 26
F 27	14 46 55	13° 8'49	6♒23	27°14	6°25	5°26	27°16	27° 9	24° 1	19°30	26°39	0°35	2° 4	15°37	13°15	F 27
S 28	14 50 51	14° 6'35	20°23	27° 8	7°38	6° 2	27°13	27°15	24° 3	19°32	26°39	0°R35	2° 1	15°44	13°19	S 28
S 29	14 54 48	15° 4'20	4♓38	27°D 6	8°51	6°38	27° 9	27°21	24° 5	19°33	26°40	0°33	1°58	15°50	13°24	S 29
M30	14 58 45	16♉ 2'03	19♓ 5	27♈ 8	10♊ 4	7♋14	27♐ 5	27♓27	24♋ 6	19♓35	26♋41	0♋30	1♋55	15♍57	13♉28	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 4	17s10	3s57	16n22	3n 1	12n50	0s18	24n42	1n32	23s 9	0n23	4s11	2s 5	22n 2	0n34	5s38	1s16	26n28	5n37	23n31	23n30	11n16	14n 3	1s21
M 2	7 27	12 26	4 37	16 28	3 0	13 17	0 15	24 45	1 32	23 9	0 23	4 9	2 5	22 2	0 34	5 38	1 16	26 28	5 37	23 31	23 30	11 13	14 5	1 21
T 3	7 49	6 53	4 58	16 31	2 58	13 44	0 13	24 47	1 32	23 9	0 23	4 6	2 5	22 2	0 34	5 37	1 16	26 27	5 37	23 31	23 30	11 11	14 6	1 21
W 4	8 11	0 54	4 59	16 31	2 54	14 10	0 10	24 49	1 32	23 9	0 23	4 3	2 5	22 2	0 34	5 36	1 16	26 27	5 37	23 31	23 30	11 9	14 7	1 21
T 5	8 33	5n 6	4 40	16 27	2 49	14 36	0 8	24 51	1 32	23 9	0 23	4 1	2 5	22 2	0 34	5 35	1 16	26 27	5 37	23 31	23 30	11 6	14 8	1 21
F 6	8 55	10 44	4 2	16 21	2 43	15 2	0 5	24 53	1 32	23 9	0 22	3 58	2 6	22 2	0 34	5 35	1 16	26 27	5 37	23 32	23 30	11 4	14 9	1 21
S 7	9 17	15 38	3 9	16 11	2 36	15 27	0 3	24 55	1 32	23 9	0 22	3 55	2 6	22 1	0 34	5 34	1 16	26 27	5 37	23 32	23 30	11 2	14 10	1 21
S 8	9 38	19 33	2 6	15 58	2 27	15 52	0 0	24 56	1 31	23 9	0 22	3 53	2 6	22 1	0 34	5 33	1 16	26 27	5 37	23 32	23 30	10 59	14 12	1 21
M 9	10 0	22 15	0 58	15 42	2 16	16 17	0n 3	24 57	1 31	23 9	0 22	3 50	2 6	22 1	0 34	5 32	1 16	26 27	5 37	23 32	23 30	10 57	14 13	1 21
T 10	10 21	23 40	0n11	15 24	2 5	16 41	0 5	24 59	1 31	23 9	0 22	3 47	2 6	22 1	0 34	5 32	1 16	26 27	5 37	23 32	23 31	10 55	14 14	1 21
W11	10 42	23 49	1 17	15 4	1 52	17 5	0 8	25 0	1 31	23 9	0 22	3 45	2 6	22 1	0 34	5 31	1 16	26 27	5 37	23 32	23 31	10 52	14 15	1 21
T 12	11 3	22 46	2 18	14 41	1 39	17 28	0 10	25 1	1 31	23 9	0 22	3 42	2 6	22 1	0 34	5 30	1 16	26 26	5 37	23 32	23 31	10 50	14 16	1 22
F 13	11 23	20 42	3 12	14 16	1 24	17 51	0 13	25 1	1 31	23 9	0 22	3 40	2 6	22 0	0 34	5 30	1 16	26 26	5 36	23 32	23 31	10 48	14 18	1 22
S 14	11 44	17 45	3 57	13 49	1 8	18 13	0 16	25 2	1 30	23 9	0 22	3 37	2 7	22 0	0 34	5 29	1 16	26 26	5 36	23 32	23 31	10 45	14 19	1 22
S 15	12 4	14 6	4 31	13 22	0 52	18 35	0 18	25 2	1 30	23 10	0 22	3 35	2 7	22 0	0 34	5 28	1 16	26 26	5 36	23 32	23 31	10 43	14 20	1 22
M16	12 24	9 55	4 54	12 53	0 36	18 56	0 21	25 2	1 30	23 10	0 22	3 32	2 7	22 0	0 34	5 28	1 16	26 26	5 36	23 32	23 31	10 40	14 21	1 22
T 17	12 44	5 20	5 4	12 24	0 18	19 17	0 23	25 2	1 30	23 10	0 22	3 30	2 7	22 0	0 34	5 27	1 16	26 26	5 36	23 32	23 31	10 38	14 22	1 22
W18	13 4	0 31	5 0	11 55	0 1	19 38	0 26	25 2	1 30	23 10	0 22	3 27	2 7	21 59	0 34	5 26	1 16	26 26	5 36	23 32	23 31	10 36	14 24	1 22
T 19	13 23	4s23	4 44	11 26	0s16	19 58	0 29	25 2	1 30	23 10	0 22	3 25	2 7	21 59	0 33	5 26	1 16	26 25	5 36	23 32	23 31	10 33	14 25	1 22
F 20	13 43	9 12	4 13	10 57	0 33	20 17	0 31	25 2	1 29	23 10	0 22	3 23	2 8	21 59	0 33	5 25	1 16	26 25	5 36	23 32	23 31	10 31	14 26	1 22
S 21	14 2	13 42	3 30	10 30	0 50	20 36	0 34	25 1	1 29	23 10	0 22	3 20	2 8	21 58	0 33	5 24	1 16	26 25	5 36	23 32	23 31	10 29	14 27	1 22
S 22	14 21	17 41	2 37	10 4	1 6	20 54	0 36	25 0	1 29	23 10	0 21	3 18	2 8	21 58	0 33	5 24	1 16	26 25	5 36	23 32	23 31	10 26	14 28	1 22
M23	14 39	20 53	1 34	9 40	1 22	21 12	0 39	24 59	1 29	23 10	0 21	3 15	2 8	21 58	0 33	5 23	1 16	26 25	5 36	23 32	23 31	10 24	14 30	1 22
T 24	14 58	23 4	0 25	9 17	1 37	21 29	0 41	24 58	1 29	23 10	0 21	3 13	2 8	21 58	0 33	5 22	1 17	26 24	5 36	23 33	23 31	10 21	14 31	1 22
W25	15 16	24 0	0s46	8 57	1 52	21 45	0 44	24 57	1 28	23 10	0 21	3 11	2 8	21 57	0 33	5 22	1 17	26 24	5 36	23 33	23 31	10 19	14 32	1 22
T 26	15 34	23 33	1 56	8 39	2 5	22 1	0 46	24 55	1 28	23 10	0 21	3 9	2 9	21 57	0 33	5 21	1 17	26 24	5 35	23 32	23 32	10 17	14 33	1 23
F 27	15 51	21 41	3 1	8 23	2 18	22 17	0 49	24 54	1 28	23 10	0 21	3 6	2 9	21 57	0 33	5 21	1 17	26 24	5 35	23 32	23 32	10 14	14 34	1 23
S 28	16 9	18 29	3 56	8 10	2 30	22 31	0 51	24 52	1 28	23 10	0 21	3 4	2 9	21 56	0 33	5 20	1 17	26 24	5 35	23 32	23 32	10 12	14 36	1 23
S 29	16 26	14 9	4 38	7 59	2 41	22 45	0 54	24 50	1 28	23 10	0 21	3 2	2 9	21 56	0 33	5 20	1 17	26 23	5 35	23 33	23 32	10 9	14 37	1 23
M30	16n42	8s58	5s 2	7n51	2s50	22n59	0n56	24n48	1n27	23s10	0n21	3s 0	2s 9	21n56	0n33	5s19	1s17	26n23	5n35	23n33	23n32	10n 7	14n38	1s23

Julian Day Number = 2159813.5, Delta T = 13m19s
Ecliptic obliquity = 23°32'34, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'10, Lahiri = 12°43'10 Julian Calendar 1 Apr. 1201 == Greg. Calendar 8 Apr. 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

MAY 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 41	16♉59'45	3♈42	27♈16	11♊17	7♋50	27°R 1	27♓32	24♋ 8	19♓36	26♋41	0°R25	1♋52	16♍ 4	13♉32	T 1
W 2	15 6 38	17°57'27	18°21	27°28	12°29	8°26	26♐56	27°38	24°10	19°38	26°42	0♋19	1°49	16°11	13°36	W 2
T 3	15 10 34	18°55'07	2♉57	27°44	13°42	9° 2	26°52	27°44	24°12	19°39	26°43	0°12	1°45	16°17	13°40	T 3
F 4	15 14 31	19°52'46	17°23	28° 4	14°55	9°38	26°47	27°49	24°14	19°40	26°44	0° 7	1°42	16°24	13°45	F 4
S 5	15 18 27	20°50'23	1♊31	28°29	16° 8	10°14	26°43	27°55	24°16	19°42	26°45	0° 2	1°39	16°31	13°49	S 5
S 6	15 22 24	21°48'00	15°18	28°59	17°20	10°50	26°38	28° 0	24°18	19°43	26°46	29♊59	1°36	16°37	13°53	S 6
M 7	15 26 20	22°45'35	28°42	29°32	18°33	11°26	26°33	28° 6	24°20	19°44	26°46	29°D59	1°33	16°44	13°57	M 7
T 8	15 30 17	23°43'09	11♋43	0♉ 9	19°46	12° 2	26°27	28°11	24°23	19°46	26°47	29°59	1°30	16°51	14° 1	T 8
W 9	15 34 14	24°40'42	24°21	0°51	20°58	12°39	26°22	28°16	24°25	19°47	26°48	0♋ 0	1°26	16°58	14° 6	W 9
T 10	15 38 10	25°38'13	6♌42	1°35	22°11	13°15	26°17	28°22	24°27	19°48	26°49	0° 2	1°23	17° 4	14°10	T 10
F 11	15 42 7	26°35'42	18°49	2°24	23°23	13°51	26°11	28°27	24°29	19°49	26°50	0° 3	1°20	17°11	14°14	F 11
S 12	15 46 3	27°33'11	0♍46	3°16	24°36	14°27	26° 5	28°32	24°32	19°50	26°51	0°R 3	1°17	17°18	14°18	S 12
S 13	15 50 0	28°30'38	12°39	4°12	25°48	15° 3	25°59	28°37	24°34	19°51	26°52	0° 2	1°14	17°24	14°22	S 13
M14	15 53 56	29°28'03	24°32	5°11	27° 0	15°40	25°53	28°42	24°37	19°52	26°53	0° 0	1°10	17°31	14°26	M14
T 15	15 57 53	0♊25'28	6♎30	6°14	28°13	16°16	25°47	28°47	24°39	19°53	26°54	29♊56	1° 7	17°38	14°30	T 15
W16	16 1 49	1°22'51	18°36	7°19	29°25	16°52	25°41	28°51	24°42	19°54	26°55	29°52	1° 4	17°45	14°34	W16
T 17	16 5 46	2°20'13	0♏53	8°28	0♋37	17°28	25°34	28°56	24°44	19°55	26°57	29°48	1° 1	17°51	14°39	T 17
F 18	16 9 43	3°17'34	13°23	9°40	1°50	18° 5	25°28	29° 1	24°47	19°56	26°58	29°43	0°58	17°58	14°43	F 18
S 19	16 13 39	4°14'55	26° 7	10°55	3° 2	18°41	25°21	29° 5	24°49	19°57	26°59	29°40	0°55	18° 5	14°47	S 19
S 20	16 17 36	5°12'14	9♐ 6	12°13	4°14	19°18	25°15	29°10	24°52	19°58	27° 0	29°37	0°51	18°11	14°51	S 20
M21	16 21 32	6° 9'33	22°20	13°34	5°26	19°54	25° 8	29°14	24°55	19°59	27° 1	29°36	0°48	18°18	14°55	M21
T 22	16 25 29	7° 6'51	5♑46	14°58	6°38	20°30	25° 1	29°19	24°57	20° 0	27° 2	29°D36	0°45	18°25	14°59	T 22
W23	16 29 25	8° 4'08	19°25	16°25	7°50	21° 7	24°54	29°23	25° 0	20° 1	27° 4	29°37	0°42	18°32	15° 3	W23
T 24	16 33 22	9° 1'25	3♒15	17°55	9° 2	21°43	24°47	29°27	25° 3	20° 1	27° 5	29°38	0°39	18°38	15° 7	T 24
F 25	16 37 18	9°58'42	17°13	19°28	10°14	22°20	24°40	29°31	25° 6	20° 2	27° 6	29°39	0°36	18°45	15°11	F 25
S 26	16 41 15	10°55'58	1♓20	21° 3	11°26	22°56	24°33	29°35	25° 9	20° 3	27° 7	29°40	0°32	18°52	15°14	S 26
S 27	16 45 12	11°53'13	15°32	22°41	12°38	23°33	24°25	29°39	25°12	20° 4	27° 9	29°R41	0°29	18°59	15°18	S 27
M28	16 49 8	12°50'29	29°48	24°23	13°49	24° 9	24°18	29°43	25°15	20° 4	27°10	29°40	0°26	19° 5	15°22	M28
T 29	16 53 5	13°47'44	14♈ 5	26° 7	15° 1	24°46	24°11	29°46	25°18	20° 5	27°11	29°39	0°23	19°12	15°26	T 29
W30	16 57 1	14°44'58	28°20	27°53	16°13	25°22	24° 3	29°50	25°21	20° 5	27°13	29°37	0°20	19°19	15°30	W30
T 31	17 0 58	15♊42'13	12♉28	29♉43	17♋24	25♋59	23♐56	29♓54	25♋24	20♓ 6	27♋14	29♊35	0♋16	19♍25	15♉34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n59	3s14	5s 8	7n46	2s59	23n12	0n59	24n46	1n27	23s10	0n21	2s58	2s10	21n55	0n33	5s19	1s17	26n23	5n35	23n33	23n32	10n 5	14n39	1s23
W 2	17 15	2n42	4 54	7 43	3 7	23 24	1 1	24 43	1 27	23 10	0 21	2 56	2 10	21 55	0 33	5 18	1 17	26 23	5 35	23 33	23 32	10 2	14 40	1 23
T 3	17 31	8 29	4 20	7 42	3 13	23 35	1 3	24 41	1 27	23 10	0 21	2 53	2 10	21 55	0 33	5 18	1 17	26 23	5 35	23 33	23 32	10 0	14 41	1 23
F 4	17 47	13 44	3 30	7 44	3 19	23 46	1 6	24 38	1 27	23 10	0 20	2 51	2 10	21 54	0 33	5 17	1 17	26 22	5 35	23 33	23 32	9 57	14 43	1 23
S 5	18 3	18 8	2 28	7 49	3 24	23 56	1 8	24 35	1 26	23 10	0 20	2 49	2 10	21 54	0 33	5 17	1 17	26 22	5 35	23 33	23 32	9 55	14 44	1 23
S 6	18 18	21 25	1 19	7 55	3 28	24 6	1 10	24 32	1 26	23 10	0 20	2 47	2 11	21 53	0 33	5 16	1 17	26 22	5 35	23 33	23 32	9 53	14 45	1 23
M 7	18 32	23 25	0 7	8 4	3 30	24 15	1 12	24 28	1 26	23 10	0 20	2 45	2 11	21 53	0 33	5 16	1 17	26 22	5 35	23 33	23 32	9 50	14 46	1 23
T 8	18 47	24 5	1n 3	8 16	3 32	24 23	1 14	24 25	1 26	23 10	0 20	2 43	2 11	21 53	0 33	5 15	1 17	26 21	5 35	23 33	23 32	9 48	14 47	1 24
W 9	19 1	23 27	2 9	8 29	3 33	24 30	1 16	24 21	1 25	23 10	0 20	2 42	2 11	21 52	0 33	5 15	1 17	26 21	5 35	23 33	23 32	9 45	14 48	1 24
T 10	19 15	21 41	3 7	8 44	3 34	24 37	1 18	24 18	1 25	23 10	0 20	2 40	2 11	21 52	0 33	5 14	1 17	26 21	5 34	23 33	23 32	9 43	14 49	1 24
F 11	19 29	18 58	3 55	9 2	3 33	24 43	1 20	24 14	1 25	23 9	0 20	2 38	2 12	21 51	0 33	5 14	1 17	26 21	5 34	23 33	23 32	9 40	14 51	1 24
S 12	19 42	15 29	4 33	9 21	3 32	24 48	1 22	24 10	1 25	23 9	0 20	2 36	2 12	21 51	0 33	5 14	1 17	26 20	5 34	23 33	23 32	9 38	14 52	1 24
S 13	19 55	11 25	4 58	9 41	3 29	24 53	1 24	24 5	1 25	23 9	0 20	2 34	2 12	21 51	0 33	5 13	1 17	26 20	5 34	23 33	23 32	9 35	14 53	1 24
M14	20 7	6 56	5 11	10 4	3 26	24 57	1 26	24 1	1 24	23 9	0 19	2 32	2 12	21 50	0 33	5 13	1 17	26 20	5 34	23 33	23 32	9 33	14 54	1 24
T 15	20 20	2 9	5 10	10 28	3 23	25 0	1 28	23 56	1 24	23 9	0 19	2 31	2 12	21 50	0 33	5 12	1 17	26 20	5 34	23 33	23 32	9 31	14 55	1 24
W16	20 32	2s45	4 56	10 53	3 19	25 2	1 30	23 52	1 24	23 9	0 19	2 29	2 13	21 49	0 33	5 12	1 18	26 19	5 34	23 33	23 32	9 28	14 56	1 24
T 17	20 43	7 39	4 28	11 20	3 14	25 4	1 31	23 47	1 24	23 9	0 19	2 27	2 13	21 49	0 33	5 12	1 18	26 19	5 34	23 33	23 32	9 26	14 57	1 24
F 18	20 54	12 19	3 47	11 48	3 8	25 5	1 33	23 42	1 23	23 9	0 19	2 26	2 13	21 48	0 33	5 11	1 18	26 19	5 34	23 33	23 32	9 23	14 58	1 25
S 19	21 5	16 33	2 53	12 17	3 2	25 5	1 35	23 36	1 23	23 9	0 19	2 24	2 13	21 48	0 33	5 11	1 18	26 19	5 34	23 33	23 32	9 21	14 59	1 25
S 20	21 16	20 6	1 50	12 47	2 55	25 5	1 36	23 31	1 23	23 9	0 19	2 23	2 14	21 47	0 33	5 11	1 18	26 18	5 34	23 33	23 32	9 18	15 1	1 25
M21	21 26	22 39	0 40	13 19	2 48	25 3	1 38	23 25	1 23	23 8	0 19	2 21	2 14	21 47	0 33	5 10	1 18	26 18	5 34	23 33	23 32	9 16	15 2	1 25
T 22	21 36	23 59	0s34	13 51	2 40	25 1	1 39	23 20	1 22	23 8	0 19	2 19	2 14	21 46	0 33	5 10	1 18	26 18	5 34	23 33	23 32	9 13	15 3	1 25
W23	21 45	23 54	1 47	14 24	2 32	24 59	1 40	23 14	1 22	23 8	0 18	2 18	2 14	21 46	0 33	5 10	1 18	26 17	5 34	23 33	23 32	9 11	15 4	1 25
T 24	21 54	22 21	2 55	14 58	2 23	24 55	1 41	23 8	1 22	23 8	0 18	2 17	2 15	21 45	0 33	5 10	1 18	26 17	5 34	23 33	23 32	9 8	15 5	1 25
F 25	22 3	19 26	3 53	15 32	2 13	24 51	1 43	23 1	1 22	23 8	0 18	2 15	2 15	21 45	0 33	5 9	1 18	26 17	5 34	23 33	23 32	9 6	15 6	1 25
S 26	22 11	15 22	4 38	16 6	2 4	24 46	1 44	22 55	1 21	23 8	0 18	2 14	2 15	21 44	0 33	5 9	1 18	26 17	5 34	23 33	23 33	9 3	15 7	1 26
S 27	22 19	10 25	5 6	16 41	1 54	24 41	1 45	22 49	1 21	23 8	0 18	2 12	2 15	21 44	0 33	5 9	1 18	26 16	5 34	23 33	23 33	9 1	15 8	1 26
M28	22 26	4 54	5 15	17 17	1 43	24 35	1 46	22 42	1 21	23 7	0 18	2 11	2 16	21 43	0 33	5 9	1 18	26 16	5 34	23 33	23 33	8 58	15 9	1 26
T 29	22 33	0n53	5 5	17 52	1 33	24 28	1 47	22 35	1 21	23 7	0 18	2 10	2 16	21 42	0 33	5 9	1 18	26 16	5 34	23 33	23 33	8 56	15 10	1 26
W30	22 40	6 37	4 37	18 27	1 22	24 20	1 48	22 28	1 20	23 7	0 18	2 9	2 16	21 42	0 33	5 8	1 18	26 15	5 34	23 33	23 33	8 53	15 11	1 26
T 31	22n46	11n58	3s51	19n 2	1s11	24n12	1n48	22n21	1n20	23s 7	0n17	2s 7	2s16	21n41	0n33	5s 8	1s18	26n15	5n34	23n33	23n33	8n51	15n12	1s26

Julian Day Number = 2159843.5, Delta T = 13m19s
Ecliptic obliquity = 23°32'34, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'14, Lahiri = 12°43'14 Julian Calendar 1 May 1201 == Greg. Calendar 8 May 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

JUNE 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 4 54	16♊39'27	26♉26	1♊35	18♋36	26♋36	23°R48	29♓57	25♋27	20♓ 6	27♋15	29°R34	0♋13	19♍32	15♉38	F 1
S 2	17 8 51	17°36'41	10♊11	3°29	19°48	27°12	23♐41	0♈ 1	25°30	20° 7	27°17	29♊32	0°10	19°39	15°41	S 2
S 3	17 12 47	18°33'55	23°39	5°26	20°59	27°49	23°33	0° 4	25°33	20° 7	27°18	29°D32	0° 7	19°46	15°45	S 3
M 4	17 16 44	19°31'09	6♋50	7°25	22°11	28°26	23°25	0° 7	25°36	20° 8	27°20	29°32	0° 4	19°52	15°49	M 4
T 5	17 20 41	20°28'22	19°42	9°27	23°22	29° 3	23°18	0°10	25°39	20° 8	27°21	29°32	0° 1	19°59	15°52	T 5
W 6	17 24 37	21°25'34	2♌17	11°30	24°33	29°39	23°10	0°13	25°42	20° 8	27°23	29°33	29♊57	20° 6	15°56	W 6
T 7	17 28 34	22°22'46	14°36	13°36	25°45	0♌16	23° 2	0°16	25°45	20° 9	27°24	29°34	29°54	20°12	16° 0	T 7
F 8	17 32 30	23°19'58	26°43	15°43	26°56	0°53	22°55	0°19	25°49	20° 9	27°25	29°35	29°51	20°19	16° 3	F 8
S 9	17 36 27	24°17'09	8♍42	17°51	28° 7	1°30	22°47	0°22	25°52	20° 9	27°27	29°35	29°48	20°26	16° 7	S 9
S 10	17 40 23	25°14'19	20°36	20° 0	29°18	2° 7	22°39	0°24	25°55	20°10	27°28	29°R35	29°45	20°33	16°10	S 10
M11	17 44 20	26°11'29	2♎30	22°10	0♌29	2°43	22°32	0°27	25°59	20°10	27°30	29°35	29°42	20°39	16°14	M11
T 12	17 48 16	27° 8'39	14°28	24°20	1°40	3°20	22°24	0°30	26° 2	20°10	27°32	29°35	29°38	20°46	16°17	T 12
W13	17 52 13	28° 5'49	26°36	26°31	2°51	3°57	22°16	0°32	26° 5	20°10	27°33	29°35	29°35	20°53	16°21	W13
T 14	17 56 10	29° 2'58	8♏56	28°41	4° 2	4°34	22° 9	0°34	26° 9	20°10	27°35	29°35	29°32	21° 0	16°24	T 14
F 15	18 0 6	0♋ 0'07	21°33	0♋52	5°13	5°11	22° 1	0°36	26°12	20°10	27°36	29°D35	29°29	21° 6	16°27	F 15
S 16	18 4 3	0°57'16	4♐28	3° 1	6°24	5°48	21°54	0°38	26°15	20°R10	27°38	29°35	29°26	21°13	16°31	S 16
S 17	18 7 59	1°54'25	17°43	5°10	7°35	6°25	21°46	0°40	26°19	20°10	27°39	29°35	29°22	21°20	16°34	S 17
M18	18 11 56	2°51'34	1♑16	7°18	8°45	7° 2	21°39	0°42	26°22	20°10	27°41	29°R35	29°19	21°26	16°37	M18
T 19	18 15 52	3°48'43	15° 8	9°24	9°56	7°39	21°32	0°44	26°26	20°10	27°43	29°35	29°16	21°33	16°40	T 19
W20	18 19 49	4°45'53	29°14	11°30	11° 6	8°16	21°24	0°46	26°29	20°10	27°44	29°35	29°13	21°40	16°44	W20
T 21	18 23 46	5°43'02	13♒30	13°33	12°17	8°53	21°17	0°47	26°33	20°10	27°46	29°34	29°10	21°47	16°47	T 21
F 22	18 27 42	6°40'12	27°52	15°36	13°27	9°30	21°10	0°49	26°36	20°10	27°48	29°33	29° 7	21°53	16°50	F 22
S 23	18 31 39	7°37'23	12♓16	17°36	14°37	10° 8	21° 3	0°50	26°40	20° 9	27°49	29°33	29° 3	22° 0	16°53	S 23
S 24	18 35 35	8°34'34	26°36	19°35	15°48	10°45	20°56	0°52	26°43	20° 9	27°51	29°32	29° 0	22° 7	16°56	S 24
M25	18 39 32	9°31'45	10♈51	21°32	16°58	11°22	20°49	0°53	26°47	20° 9	27°53	29°D32	28°57	22°13	16°59	M25
T 26	18 43 28	10°28'57	24°57	23°28	18° 8	11°59	20°42	0°54	26°51	20° 9	27°54	29°32	28°54	22°20	17° 2	T 26
W27	18 47 25	11°26'10	8♉53	25°21	19°18	12°36	20°35	0°55	26°54	20° 8	27°56	29°33	28°51	22°27	17° 5	W27
T 28	18 51 21	12°23'24	22°37	27°13	20°28	13°14	20°28	0°56	26°58	20° 8	27°58	29°34	28°48	22°34	17° 7	T 28
F 29	18 55 18	13°20'39	6♊ 9	29° 3	21°38	13°51	20°22	0°57	27° 1	20° 8	27°59	29°35	28°44	22°40	17°10	F 29
S 30	18 59 15	14♋17'54	19♊28	0♌51	22♌47	14♌28	20♐15	0♈57	27♋ 5	20♓ 7	28♋ 1	29♊36	28♊41	22♍47	17♉13	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n52	16n38	2s53	19n36	0s59	24n 3	1n49	22n14	1n20	23s 7	0n17	2s 6	2s17	21n41	0n33	5s 8	1s18	26n15	5n34	23n33	23n33	8n48	15n13	1s26
S 2	22 58	20 20	1 45	20 10	0 48	23 53	1 50	22 6	1 19	23 6	0 17	2 5	2 17	21 40	0 33	5 8	1 18	26 14	5 33	23 33	23 33	8 46	15 14	1 26
S 3	23 3	22 51	0 32	20 42	0 36	23 43	1 50	21 59	1 19	23 6	0 17	2 4	2 17	21 40	0 33	5 8	1 18	26 14	5 33	23 33	23 33	8 43	15 15	1 26
M 4	23 8	24 2	0n40	21 14	0 25	23 32	1 51	21 51	1 19	23 6	0 17	2 3	2 17	21 39	0 33	5 8	1 18	26 14	5 33	23 33	23 33	8 41	15 16	1 27
T 5	23 12	23 54	1 49	21 44	0 14	23 20	1 51	21 43	1 19	23 6	0 17	2 2	2 18	21 38	0 33	5 8	1 19	26 13	5 33	23 33	23 33	8 38	15 17	1 27
W 6	23 16	22 31	2 52	22 13	0 2	23 8	1 51	21 35	1 18	23 5	0 17	2 1	2 18	21 38	0 33	5 8	1 19	26 13	5 33	23 33	23 33	8 36	15 18	1 27
T 7	23 19	20 6	3 44	22 40	0n 9	22 55	1 51	21 27	1 18	23 5	0 17	2 0	2 18	21 37	0 33	5 7	1 19	26 13	5 33	23 33	23 33	8 33	15 18	1 27
F 8	23 22	16 50	4 26	23 6	0 19	22 41	1 52	21 19	1 18	23 5	0 16	1 59	2 18	21 37	0 33	5 7	1 19	26 13	5 33	23 33	23 33	8 31	15 19	1 27
S 9	23 25	12 55	4 56	23 29	0 30	22 27	1 52	21 10	1 17	23 5	0 16	1 58	2 19	21 36	0 33	5 7	1 19	26 12	5 33	23 33	23 33	8 28	15 20	1 27
S 10	23 27	8 32	5 13	23 49	0 40	22 12	1 52	21 2	1 17	23 4	0 16	1 58	2 19	21 35	0 33	5 7	1 19	26 12	5 33	23 33	23 33	8 26	15 21	1 27
M11	23 29	3 50	5 16	24 8	0 49	21 57	1 51	20 53	1 17	23 4	0 16	1 57	2 19	21 35	0 33	5 7	1 19	26 12	5 33	23 33	23 33	8 23	15 22	1 28
T 12	23 31	1s 1	5 6	24 23	0 58	21 41	1 51	20 44	1 17	23 4	0 16	1 56	2 20	21 34	0 33	5 7	1 19	26 11	5 33	23 33	23 33	8 20	15 23	1 28
W13	23 32	5 55	4 42	24 36	1 6	21 24	1 51	20 35	1 16	23 3	0 16	1 55	2 20	21 33	0 33	5 7	1 19	26 11	5 33	23 33	23 33	8 18	15 24	1 28
T 14	23 32	10 40	4 5	24 46	1 14	21 7	1 50	20 26	1 16	23 3	0 15	1 55	2 20	21 33	0 33	5 7	1 19	26 11	5 33	23 33	23 33	8 15	15 25	1 28
F 15	23 33	15 5	3 16	24 53	1 21	20 49	1 50	20 17	1 16	23 3	0 15	1 54	2 20	21 32	0 33	5 7	1 19	26 10	5 33	23 33	23 33	8 13	15 25	1 28
S 16	23 32	18 55	2 15	24 58	1 27	20 31	1 49	20 7	1 15	23 2	0 15	1 54	2 21	21 31	0 33	5 7	1 19	26 10	5 33	23 33	23 32	8 10	15 26	1 28
S 17	23 32	21 53	1 5	24 59	1 33	20 12	1 49	19 58	1 15	23 2	0 15	1 53	2 21	21 31	0 33	5 7	1 19	26 10	5 33	23 33	23 32	8 8	15 27	1 28
M18	23 31	23 42	0s 9	24 58	1 38	19 53	1 48	19 48	1 15	23 2	0 15	1 53	2 21	21 30	0 33	5 7	1 19	26 9	5 33	23 33	23 32	8 5	15 28	1 29
T 19	23 29	24 5	1 25	24 54	1 42	19 33	1 47	19 38	1 15	23 2	0 15	1 52	2 21	21 29	0 33	5 8	1 19	26 9	5 33	23 33	23 32	8 3	15 28	1 29
W20	23 27	22 57	2 37	24 47	1 45	19 13	1 46	19 28	1 14	23 1	0 15	1 52	2 22	21 29	0 33	5 8	1 19	26 9	5 33	23 33	23 32	8 0	15 29	1 29
T 21	23 25	20 21	3 40	24 38	1 48	18 52	1 45	19 18	1 14	23 1	0 14	1 51	2 22	21 28	0 33	5 8	1 19	26 8	5 33	23 33	23 32	7 57	15 30	1 29
F 22	23 22	16 28	4 29	24 27	1 50	18 31	1 44	19 8	1 14	23 1	0 14	1 51	2 22	21 27	0 33	5 8	1 19	26 8	5 33	23 33	23 32	7 55	15 31	1 29
S 23	23 19	11 38	5 2	24 13	1 51	18 9	1 43	18 58	1 13	23 0	0 14	1 51	2 23	21 27	0 33	5 8	1 19	26 8	5 33	23 33	23 32	7 52	15 31	1 29
S 24	23 16	6 11	5 16	23 57	1 52	17 47	1 41	18 47	1 13	23 0	0 14	1 50	2 23	21 26	0 33	5 8	1 20	26 7	5 33	23 33	23 32	7 50	15 32	1 29
M25	23 12	0 27	5 10	23 39	1 51	17 24	1 40	18 36	1 13	23 0	0 14	1 50	2 23	21 25	0 33	5 8	1 20	26 7	5 33	23 33	23 32	7 47	15 33	1 30
T 26	23 8	5n16	4 46	23 19	1 51	17 1	1 39	18 26	1 12	22 59	0 14	1 50	2 23	21 25	0 33	5 8	1 20	26 7	5 33	23 33	23 32	7 45	15 33	1 30
W27	23 3	10 39	4 5	22 57	1 49	16 38	1 37	18 15	1 12	22 59	0 13	1 50	2 24	21 24	0 33	5 9	1 20	26 6	5 34	23 33	23 32	7 42	15 34	1 30
T 28	22 58	15 26	3 10	22 33	1 47	16 14	1 35	18 4	1 12	22 59	0 13	1 50	2 24	21 23	0 33	5 9	1 20	26 6	5 34	23 33	23 32	7 39	15 35	1 30
F 29	22 52	19 22	2 6	22 9	1 44	15 50	1 34	17 53	1 11	22 58	0 13	1 50	2 24	21 23	0 33	5 9	1 20	26 6	5 34	23 33	23 32	7 37	15 35	1 30
S 30	22n46	22n12	0s56	21n42	1n41	15n25	1n32	17n42	1n11	22s58	0n13	1s50	2s25	21n22	0n33	5s 9	1s20	26n 5	5n34	23n33	23n32	7n34	15n36	1s30

Julian Day Number = 2159874.5, Delta T = 13m19s
Ecliptic obliquity = 23°32'34, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'18, Lahiri = 12°43'18 Julian Calendar 1 June 1201 == Greg. Calendar 8 June 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

JULY 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 11	15♋15'09	2♋33	2♌37	23♌57	15♌ 6	20°R 9	0♈58	27♋ 9	20°R 7	28♋ 3	29°R36	28♊38	22♍54	17♉16	S 1
M 2	19 7 8	16°12'26	15°25	4°21	25° 7	15°43	20♐ 3	0°58	27°12	20♓ 6	28° 4	29♊35	28°35	23° 1	17°18	M 2
T 3	19 11 4	17° 9'43	28° 3	6° 4	26°16	16°20	19°57	0°59	27°16	20° 6	28° 6	29°34	28°32	23° 7	17°21	T 3
W 4	19 15 1	18° 7'00	10♌28	7°45	27°26	16°58	19°51	0°59	27°20	20° 5	28° 8	29°31	28°28	23°14	17°24	W 4
T 5	19 18 57	19° 4'18	22°42	9°24	28°35	17°35	19°45	0°59	27°23	20° 5	28°10	29°29	28°25	23°21	17°26	T 5
F 6	19 22 54	20° 1'37	4♍46	11° 1	29°44	18°13	19°39	0°R59	27°27	20° 4	28°11	29°25	28°22	23°27	17°28	F 6
S 7	19 26 50	20°58'56	16°43	12°36	0♍54	18°50	19°34	0°59	27°31	20° 3	28°13	29°22	28°19	23°34	17°31	S 7
S 8	19 30 47	21°56'15	28°36	14°10	2° 3	19°28	19°28	0°59	27°34	20° 3	28°15	29°20	28°16	23°41	17°33	S 8
M 9	19 34 44	22°53'35	10♎29	15°41	3°12	20° 5	19°23	0°59	27°38	20° 2	28°17	29°18	28°13	23°48	17°36	M 9
T 10	19 38 40	23°50'55	22°26	17°11	4°21	20°43	19°18	0°58	27°42	20° 1	28°18	29°D17	28° 9	23°54	17°38	T 10
W11	19 42 37	24°48'17	4♏32	18°39	5°29	21°20	19°13	0°58	27°45	20° 0	28°20	29°18	28° 6	24° 1	17°40	W11
T 12	19 46 33	25°45'38	16°52	20° 5	6°38	21°58	19° 8	0°57	27°49	20° 0	28°22	29°19	28° 3	24° 8	17°42	T 12
F 13	19 50 30	26°43'01	29°29	21°30	7°47	22°36	19° 3	0°57	27°53	19°59	28°24	29°21	28° 0	24°15	17°44	F 13
S 14	19 54 26	27°40'24	12♐28	22°52	8°55	23°13	18°58	0°56	27°56	19°58	28°25	29°22	27°57	24°21	17°46	S 14
S 15	19 58 23	28°37'48	25°51	24°12	10° 4	23°51	18°54	0°55	28° 0	19°57	28°27	29°R23	27°54	24°28	17°48	S 15
M16	20 2 19	29°35'12	9♑38	25°31	11°12	24°29	18°50	0°54	28° 4	19°56	28°29	29°23	27°50	24°35	17°50	M16
T 17	20 6 16	0♌32'38	23°49	26°47	12°20	25° 7	18°46	0°53	28° 8	19°55	28°31	29°21	27°47	24°41	17°52	T 17
W18	20 10 13	1°30'04	8♒19	28° 1	13°28	25°44	18°42	0°52	28°11	19°54	28°32	29°18	27°44	24°48	17°54	W18
T 19	20 14 9	2°27'32	23° 2	29°13	14°36	26°22	18°38	0°51	28°15	19°53	28°34	29°13	27°41	24°55	17°56	T 19
F 20	20 18 6	3°25'01	7♓51	0♍23	15°44	27° 0	18°34	0°49	28°19	19°52	28°36	29° 9	27°38	25° 2	17°58	F 20
S 21	20 22 2	4°22'31	22°38	1°30	16°51	27°38	18°31	0°48	28°22	19°51	28°38	29° 4	27°34	25° 8	17°59	S 21
S 22	20 25 59	5°20'02	7♈16	2°35	17°59	28°16	18°28	0°46	28°26	19°50	28°39	29° 0	27°31	25°15	18° 1	S 22
M23	20 29 55	6°17'35	21°39	3°38	19° 6	28°54	18°25	0°45	28°30	19°49	28°41	28°58	27°28	25°22	18° 2	M23
T 24	20 33 52	7°15'09	5♉45	4°38	20°13	29°32	18°22	0°43	28°33	19°48	28°43	28°D57	27°25	25°28	18° 4	T 24
W25	20 37 48	8°12'45	19°33	5°35	21°21	0♍10	18°19	0°41	28°37	19°47	28°45	28°57	27°22	25°35	18° 5	W25
T 26	20 41 45	9°10'23	3♊ 2	6°29	22°28	0°48	18°17	0°39	28°41	19°46	28°46	28°58	27°19	25°42	18° 7	T 26
F 27	20 45 42	10° 8'02	16°14	7°20	23°34	1°26	18°14	0°37	28°44	19°45	28°48	29° 0	27°15	25°49	18° 8	F 27
S 28	20 49 38	11° 5'43	29°12	8° 8	24°41	2° 4	18°12	0°35	28°48	19°43	28°50	29°R 0	27°12	25°55	18° 9	S 28
S 29	20 53 35	12° 3'25	11♋56	8°53	25°48	2°42	18°10	0°33	28°52	19°42	28°52	29° 0	27° 9	26° 2	18°11	S 29
M30	20 57 31	13° 1'08	24°29	9°34	26°54	3°20	18° 8	0°31	28°55	19°41	28°53	28°57	27° 6	26° 9	18°12	M30
T 31	21 1 28	13♌58'54	6♌52	10♍12	28♍ 0	3♍58	18♐ 7	0♈28	28♋59	19♓40	28♋55	28♊52	27♊ 3	26♍16	18♉13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n40	23n47	0n16	21n15	1n38	15n 0	1n30	17n30	1n11	22s58	0n13	1s50	2s25	21n21	0n33	5s 9	1s20	26n 5	5n34	23n33	23n32	7n32	15n37	1s31
M 2	22 33	24 4	1 26	20 46	1 33	14 35	1 28	17 19	1 10	22 57	0 13	1 50	2 25	21 20	0 33	5 10	1 20	26 5	5 34	23 33	23 32	7 29	15 37	1 31
T 3	22 26	23 6	2 31	20 16	1 29	14 9	1 25	17 7	1 10	22 57	0 13	1 50	2 25	21 20	0 33	5 10	1 20	26 4	5 34	23 33	23 32	7 26	15 38	1 31
W 4	22 19	21 0	3 27	19 45	1 23	13 43	1 23	16 56	1 10	22 57	0 12	1 50	2 26	21 19	0 33	5 10	1 20	26 4	5 34	23 33	23 32	7 24	15 38	1 31
T 5	22 11	17 58	4 12	19 14	1 18	13 17	1 21	16 44	1 9	22 57	0 12	1 50	2 26	21 18	0 33	5 10	1 20	26 4	5 34	23 33	23 32	7 21	15 39	1 31
F 6	22 3	14 14	4 46	18 41	1 12	12 50	1 18	16 32	1 9	22 56	0 12	1 50	2 26	21 18	0 33	5 11	1 20	26 3	5 34	23 32	23 32	7 19	15 39	1 31
S 7	21 54	9 58	5 6	18 8	1 5	12 23	1 16	16 20	1 9	22 56	0 12	1 51	2 27	21 17	0 33	5 11	1 20	26 3	5 34	23 32	23 32	7 16	15 40	1 32
S 8	21 45	5 21	5 14	17 35	0 58	11 56	1 13	16 8	1 8	22 56	0 12	1 51	2 27	21 16	0 33	5 11	1 20	26 3	5 34	23 32	23 32	7 13	15 40	1 32
M 9	21 35	0 33	5 8	17 1	0 51	11 28	1 11	15 56	1 8	22 55	0 12	1 51	2 27	21 15	0 33	5 12	1 20	26 3	5 34	23 32	23 32	7 11	15 41	1 32
T 10	21 26	4s18	4 49	16 26	0 43	11 1	1 8	15 43	1 8	22 55	0 11	1 52	2 27	21 15	0 33	5 12	1 20	26 2	5 34	23 32	23 32	7 8	15 41	1 32
W11	21 16	9 3	4 17	15 52	0 35	10 33	1 5	15 31	1 7	22 55	0 11	1 52	2 28	21 14	0 33	5 12	1 20	26 2	5 34	23 32	23 32	7 6	15 42	1 32
T 12	21 5	13 33	3 32	15 17	0 27	10 4	1 2	15 18	1 7	22 55	0 11	1 53	2 28	21 13	0 33	5 13	1 20	26 2	5 34	23 32	23 32	7 3	15 42	1 32
F 13	20 54	17 35	2 37	14 41	0 18	9 36	0 59	15 6	1 7	22 54	0 11	1 53	2 28	21 12	0 33	5 13	1 20	26 1	5 34	23 32	23 32	7 0	15 43	1 33
S 14	20 43	20 53	1 31	14 6	0 10	9 7	0 56	14 53	1 6	22 54	0 11	1 54	2 29	21 12	0 33	5 13	1 21	26 1	5 34	23 32	23 32	6 58	15 43	1 33
S 15	20 31	23 9	0 19	13 31	0 0	8 38	0 52	14 40	1 6	22 54	0 11	1 54	2 29	21 11	0 33	5 14	1 21	26 1	5 34	23 32	23 32	6 55	15 44	1 33
M16	20 20	24 7	0s56	12 56	0s 9	8 9	0 49	14 27	1 6	22 54	0 10	1 55	2 29	21 10	0 33	5 14	1 21	26 0	5 34	23 32	23 32	6 52	15 44	1 33
T 17	20 7	23 34	2 10	12 21	0 19	7 40	0 46	14 14	1 5	22 54	0 10	1 56	2 29	21 10	0 33	5 15	1 21	26 0	5 35	23 32	23 31	6 50	15 44	1 33
W18	19 55	21 25	3 16	11 46	0 29	7 10	0 42	14 1	1 5	22 54	0 10	1 56	2 30	21 9	0 33	5 15	1 21	26 0	5 35	23 32	23 31	6 47	15 45	1 34
T 19	19 42	17 51	4 11	11 12	0 39	6 41	0 38	13 48	1 5	22 53	0 10	1 57	2 30	21 8	0 33	5 15	1 21	26 0	5 35	23 32	23 31	6 44	15 45	1 34
F 20	19 29	13 8	4 50	10 37	0 49	6 11	0 35	13 34	1 4	22 53	0 10	1 58	2 30	21 7	0 33	5 16	1 21	25 59	5 35	23 32	23 31	6 42	15 45	1 34
S 21	19 15	7 40	5 9	10 4	0 59	5 41	0 31	13 21	1 4	22 53	0 10	1 59	2 30	21 7	0 33	5 16	1 21	25 59	5 35	23 32	23 31	6 39	15 45	1 34
S 22	19 1	1 49	5 8	9 31	1 10	5 11	0 27	13 7	1 4	22 53	0 9	2 0	2 31	21 6	0 33	5 17	1 21	25 59	5 35	23 32	23 31	6 37	15 46	1 34
M23	18 47	4n 2	4 47	8 58	1 21	4 41	0 23	12 54	1 3	22 53	0 9	2 1	2 31	21 5	0 33	5 17	1 21	25 58	5 35	23 32	23 31	6 34	15 46	1 34
T 24	18 32	9 35	4 9	8 26	1 32	4 11	0 19	12 40	1 3	22 53	0 9	2 1	2 31	21 4	0 33	5 18	1 21	25 58	5 35	23 32	23 31	6 31	15 46	1 35
W25	18 17	14 31	3 18	7 55	1 42	3 41	0 15	12 26	1 3	22 53	0 9	2 2	2 32	21 4	0 33	5 18	1 21	25 58	5 35	23 32	23 31	6 29	15 46	1 35
T 26	18 2	18 38	2 16	7 25	1 53	3 10	0 11	12 12	1 2	22 53	0 9	2 3	2 32	21 3	0 33	5 19	1 21	25 58	5 35	23 32	23 31	6 26	15 47	1 35
F 27	17 47	21 41	1 9	6 56	2 4	2 40	0 7	11 59	1 2	22 53	0 9	2 5	2 32	21 2	0 33	5 19	1 21	25 57	5 35	23 32	23 31	6 23	15 47	1 35
S 28	17 31	23 33	0n 1	6 28	2 15	2 9	0 2	11 44	1 1	22 53	0 9	2 6	2 32	21 1	0 33	5 20	1 21	25 57	5 35	23 32	23 31	6 21	15 47	1 35
S 29	17 15	24 9	1 9	6 1	2 26	1 39	0s 2	11 30	1 1	22 53	0 8	2 7	2 33	21 1	0 33	5 20	1 21	25 57	5 36	23 32	23 31	6 18	15 47	1 36
M30	16 59	23 30	2 13	5 35	2 37	1 8	0 6	11 16	1 1	22 52	0 8	2 8	2 33	21 0	0 33	5 21	1 21	25 56	5 36	23 32	23 31	6 15	15 47	1 36
T 31	16n42	21n42	3n10	5n11	2s48	0n38	0s11	11n 2	1n 0	22s53	0n 8	2s 9	2s33	20n59	0n33	5s21	1s21	25n56	5n36	23n32	23n31	6n13	15n47	1s36

Julian Day Number = 2159904.5, Delta T = 13m19s
Ecliptic obliquity = 23°32'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'22, Lahiri = 12°43'23 Julian Calendar 1 July 1201 == Greg. Calendar 8 July 1201

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1201
geocentric

AUGUST 1201 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 5 24	14♌56'40	19♌ 5	10♍45	29♍ 6	4♍36	18°R 5	0°R26	29♋ 2	19°R39	28♋57	28°R45	27♊ 0	26♍22	18♉14	W 1
T 2	21 9 21	15°54'28	1♍11	11°14	0♎12	5°14	18♐ 4	0♈23	29° 6	19♓37	28°58	28♊37	26°56	26°29	18°15	T 2
F 3	21 13 17	16°52'17	13°10	11°39	1°18	5°53	18° 3	0°20	29°10	19°36	29° 0	28°27	26°53	26°36	18°16	F 3
S 4	21 17 14	17°50'08	25° 4	11°59	2°24	6°31	18° 2	0°18	29°13	19°35	29° 2	28°18	26°50	26°42	18°17	S 4
S 5	21 21 11	18°48'00	6♎55	12°14	3°29	7° 9	18° 2	0°15	29°17	19°33	29° 3	28°10	26°47	26°49	18°17	S 5
M 6	21 25 7	19°45'53	18°47	12°24	4°34	7°48	18° 1	0°12	29°20	19°32	29° 5	28° 4	26°44	26°56	18°18	M 6
T 7	21 29 4	20°43'48	0♏42	12°R28	5°39	8°26	18° 1	0° 9	29°24	19°30	29° 7	28° 0	26°40	27° 3	18°19	T 7
W 8	21 33 0	21°41'44	12°45	12°27	6°44	9° 5	18°D 1	0° 6	29°27	19°29	29° 8	27°58	26°37	27° 9	18°19	W 8
T 9	21 36 57	22°39'41	25° 1	12°20	7°49	9°43	18° 1	0° 3	29°31	19°28	29°10	27°D57	26°34	27°16	18°20	T 9
F 10	21 40 53	23°37'40	7♐35	12° 7	8°53	10°21	18° 1	29♓59	29°34	19°26	29°12	27°58	26°31	27°23	18°20	F 10
S 11	21 44 50	24°35'40	20°30	11°47	9°58	11° 0	18° 2	29°56	29°38	19°25	29°13	27°59	26°28	27°30	18°21	S 11
S 12	21 48 46	25°33'42	3♑52	11°22	11° 2	11°38	18° 2	29°53	29°41	19°23	29°15	27°R59	26°25	27°36	18°21	S 12
M13	21 52 43	26°31'45	17°42	10°50	12° 5	12°17	18° 3	29°49	29°45	19°22	29°17	27°57	26°21	27°43	18°21	M13
T 14	21 56 40	27°29'49	2♒ 0	10°13	13° 9	12°56	18° 4	29°46	29°48	19°20	29°18	27°53	26°18	27°50	18°22	T 14
W15	22 0 36	28°27'55	16°44	9°30	14°12	13°34	18° 5	29°42	29°51	19°19	29°20	27°47	26°15	27°56	18°22	W15
T 16	22 4 33	29°26'03	1♓45	8°42	15°15	14°13	18° 7	29°38	29°55	19°17	29°21	27°39	26°12	28° 3	18°22	T 16
F 17	22 8 29	0♍24'12	16°57	7°50	16°18	14°52	18° 9	29°34	29°58	19°16	29°23	27°29	26° 9	28°10	18°R22	F 17
S 18	22 12 26	1°22'23	2♈ 6	6°54	17°21	15°30	18°10	29°31	0♌ 1	19°14	29°24	27°20	26° 6	28°17	18°22	S 18
S 19	22 16 22	2°20'37	17° 4	5°56	18°23	16° 9	18°12	29°27	0° 5	19°13	29°26	27°12	26° 2	28°23	18°22	S 19
M20	22 20 19	3°18'52	1♉43	4°57	19°25	16°48	18°14	29°23	0° 8	19°11	29°27	27° 7	25°59	28°30	18°22	M20
T 21	22 24 15	4°17'09	15°58	3°57	20°27	17°27	18°17	29°19	0°11	19° 9	29°29	27° 3	25°56	28°37	18°21	T 21
W22	22 28 12	5°15'29	29°48	2°58	21°28	18° 6	18°19	29°15	0°14	19° 8	29°30	27°D 2	25°53	28°43	18°21	W22
T 23	22 32 9	6°13'50	13♊13	2° 3	22°29	18°44	18°22	29°11	0°17	19° 6	29°32	27° 2	25°50	28°50	18°21	T 23
F 24	22 36 5	7°12'14	26°16	1°11	23°30	19°23	18°25	29° 7	0°21	19° 5	29°33	27°R 2	25°46	28°57	18°20	F 24
S 25	22 40 2	8°10'41	9♋ 1	0°24	24°31	20° 2	18°28	29° 2	0°24	19° 3	29°35	27° 1	25°43	29° 4	18°20	S 25
S 26	22 43 58	9° 9'09	21°31	29♌44	25°31	20°41	18°31	28°58	0°27	19° 1	29°36	26°59	25°40	29°10	18°19	S 26
M27	22 47 55	10° 7'39	3♌50	29°11	26°31	21°20	18°35	28°54	0°30	19° 0	29°38	26°54	25°37	29°17	18°19	M27
T 28	22 51 51	11° 6'12	15°59	28°47	27°30	22° 0	18°38	28°49	0°33	18°58	29°39	26°46	25°34	29°24	18°18	T 28
W29	22 55 48	12° 4'46	28° 2	28°31	28°29	22°39	18°42	28°45	0°36	18°56	29°40	26°35	25°31	29°31	18°17	W29
T 30	22 59 44	13° 3'22	10♍ 1	28°D25	29°28	23°18	18°46	28°41	0°39	18°55	29°42	26°22	25°27	29°37	18°17	T 30
F 31	23 3 41	14♍ 2'01	21♍55	28♌29	0♏26	23♍57	18♐50	28♓36	0♌42	18♓53	29♋43	26♊ 8	25♊24	29♍44	18♉16	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n25	18n54	3n57	4n49	2s59	0n 7	0s16	10n48	1n 0	22s53	0n 8	2s10	2s33	20n58	0n33	5s22	1s21	25n56	5n36	23n32	23n31	6n10	15n48	1s36
T 2	16 8	15 20	4 32	4 28	3 9	0s23	0 20	10 33	1 0	22 53	0 8	2 12	2 33	20 58	0 33	5 22	1 21	25 56	5 36	23 32	23 30	6 7	15 48	1 36
F 3	15 51	11 11	4 56	4 9	3 19	0 54	0 25	10 19	0 59	22 53	0 8	2 13	2 34	20 57	0 33	5 23	1 21	25 55	5 36	23 32	23 30	6 5	15 48	1 37
S 4	15 33	6 38	5 6	3 53	3 29	1 25	0 30	10 4	0 59	22 53	0 7	2 14	2 34	20 56	0 33	5 23	1 21	25 55	5 36	23 32	23 30	6 2	15 48	1 37
S 5	15 15	1 52	5 3	3 38	3 38	1 55	0 35	9 49	0 58	22 53	0 7	2 15	2 34	20 56	0 33	5 24	1 21	25 55	5 36	23 32	23 30	5 59	15 48	1 37
M 6	14 57	2s58	4 47	3 26	3 47	2 26	0 40	9 35	0 58	22 53	0 7	2 17	2 34	20 55	0 33	5 25	1 21	25 55	5 37	23 32	23 30	5 56	15 48	1 37
T 7	14 39	7 44	4 18	3 17	3 56	2 56	0 45	9 20	0 58	22 53	0 7	2 18	2 35	20 54	0 33	5 25	1 21	25 54	5 37	23 32	23 30	5 54	15 48	1 37
W 8	14 20	12 16	3 38	3 10	4 3	3 27	0 50	9 5	0 57	22 53	0 7	2 20	2 35	20 53	0 33	5 26	1 21	25 54	5 37	23 32	23 30	5 51	15 48	1 37
T 9	14 1	16 24	2 47	3 7	4 10	3 57	0 55	8 50	0 57	22 53	0 7	2 21	2 35	20 53	0 33	5 26	1 21	25 54	5 37	23 32	23 30	5 48	15 48	1 38
F 10	13 42	19 54	1 47	3 7	4 16	4 27	1 0	8 35	0 56	22 54	0 7	2 23	2 35	20 52	0 33	5 27	1 22	25 54	5 37	23 32	23 30	5 46	15 48	1 38
S 11	13 23	22 32	0 40	3 10	4 20	4 57	1 5	8 20	0 56	22 54	0 6	2 24	2 35	20 51	0 33	5 28	1 22	25 54	5 37	23 32	23 30	5 43	15 48	1 38
S 12	13 3	24 1	0s31	3 16	4 24	5 28	1 10	8 5	0 56	22 54	0 6	2 26	2 36	20 51	0 33	5 28	1 22	25 53	5 37	23 32	23 30	5 40	15 48	1 38
M13	12 44	24 4	1 43	3 26	4 26	5 58	1 16	7 50	0 55	22 54	0 6	2 27	2 36	20 50	0 33	5 29	1 22	25 53	5 37	23 32	23 30	5 38	15 47	1 38
T 14	12 24	22 35	2 51	3 40	4 26	6 27	1 21	7 35	0 55	22 54	0 6	2 29	2 36	20 49	0 33	5 29	1 22	25 53	5 38	23 32	23 29	5 35	15 47	1 39
W15	12 4	19 32	3 49	3 57	4 25	6 57	1 26	7 19	0 54	22 55	0 6	2 30	2 36	20 48	0 33	5 30	1 22	25 53	5 38	23 31	23 29	5 32	15 47	1 39
T 16	11 43	15 8	4 33	4 17	4 22	7 27	1 32	7 4	0 54	22 55	0 6	2 32	2 36	20 48	0 33	5 31	1 22	25 53	5 38	23 31	23 29	5 29	15 47	1 39
F 17	11 23	9 45	4 58	4 41	4 17	7 56	1 37	6 49	0 54	22 55	0 6	2 34	2 37	20 47	0 33	5 31	1 22	25 52	5 38	23 31	23 29	5 27	15 47	1 39
S 18	11 2	3 47	5 2	5 8	4 11	8 25	1 43	6 33	0 53	22 56	0 5	2 35	2 37	20 46	0 33	5 32	1 22	25 52	5 38	23 31	23 29	5 24	15 47	1 39
S 19	10 41	2n21	4 45	5 37	4 2	8 54	1 48	6 18	0 53	22 56	0 5	2 37	2 37	20 46	0 33	5 32	1 22	25 52	5 38	23 31	23 29	5 21	15 46	1 40
M20	10 20	8 13	4 10	6 9	3 51	9 23	1 54	6 2	0 52	22 56	0 5	2 39	2 37	20 45	0 33	5 33	1 22	25 52	5 38	23 31	23 29	5 19	15 46	1 40
T 21	9 59	13 30	3 20	6 42	3 39	9 52	2 0	5 47	0 52	22 57	0 5	2 41	2 37	20 44	0 33	5 34	1 22	25 52	5 39	23 31	23 29	5 16	15 46	1 40
W22	9 37	17 55	2 19	7 17	3 25	10 20	2 5	5 31	0 52	22 57	0 5	2 42	2 37	20 44	0 33	5 34	1 22	25 51	5 39	23 31	23 29	5 13	15 46	1 40
T 23	9 16	21 17	1 13	7 51	3 9	10 49	2 11	5 15	0 51	22 57	0 5	2 44	2 38	20 43	0 33	5 35	1 22	25 51	5 39	23 31	23 29	5 10	15 45	1 40
F 24	8 54	23 25	0 4	8 26	2 52	11 17	2 16	5 0	0 51	22 58	0 5	2 46	2 38	20 42	0 33	5 36	1 22	25 51	5 39	23 31	23 29	5 8	15 45	1 41
S 25	8 32	24 17	1n 3	8 59	2 34	11 44	2 22	4 44	0 50	22 58	0 4	2 48	2 38	20 42	0 33	5 36	1 22	25 51	5 39	23 31	23 28	5 5	15 45	1 41
S 26	8 10	23 53	2 6	9 31	2 15	12 12	2 28	4 28	0 50	22 58	0 4	2 50	2 38	20 41	0 33	5 37	1 22	25 51	5 39	23 31	23 28	5 2	15 44	1 41
M27	7 48	22 19	3 2	10 0	1 55	12 39	2 34	4 12	0 49	22 59	0 4	2 51	2 38	20 40	0 33	5 38	1 22	25 51	5 40	23 30	23 28	5 0	15 44	1 41
T 28	7 26	19 44	3 48	10 27	1 36	13 6	2 39	3 56	0 49	22 59	0 4	2 53	2 38	20 40	0 33	5 38	1 22	25 51	5 40	23 30	23 28	4 57	15 44	1 41
W29	7 4	16 20	4 24	10 51	1 16	13 33	2 45	3 40	0 49	23 0	0 4	2 55	2 38	20 39	0 33	5 39	1 22	25 50	5 40	23 30	23 28	4 54	15 43	1 42
T 30	6 41	12 17	4 48	11 11	0 57	13 59	2 51	3 25	0 48	23 0	0 4	2 57	2 39	20 39	0 33	5 40	1 22	25 50	5 40	23 30	23 28	4 51	15 43	1 42
F 31	6n18	7n48	4n59	11n28	0s38	14s26	2s57	3n 9	0n48	23s 1	0n 4	2s59	2s39	20n38	0n33	5s40	1s22	25n50	5n40	23n29	23n28	4n49	15n43	1s42

Julian Day Number = 2159935.5, Delta T = 13m18s
Ecliptic obliquity = 23°32'35, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'26, Lahiri = 12°43'27 Julian Calendar 1 Aug. 1201 == Greg. Calendar 8 Aug. 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

SEPTEMBER 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 38	15♍ 0'41	3♎47	28♌42	1♏24	24♍36	18♐54	28°R32	0♌45	18°R51	29♋44	25°R55	25♊21	29♍51	18°R15	S 1
S 2	23 11 34	15°59'23	15°38	29° 4	2°22	25°15	18°59	28♓27	0°48	18♓50	29°46	25♊42	25°18	29°57	18♉14	S 2
M 3	23 15 31	16°58'07	27°30	29°36	3°19	25°55	19° 4	28°22	0°50	18°48	29°47	25°31	25°15	0♎ 4	18°13	M 3
T 4	23 19 27	17°56'53	9♏26	0♍17	4°16	26°34	19° 8	28°18	0°53	18°46	29°48	25°23	25°11	0°11	18°12	T 4
W 5	23 23 24	18°55'41	21°29	1° 7	5°12	27°13	19°13	28°13	0°56	18°45	29°50	25°18	25° 8	0°18	18°11	W 5
T 6	23 27 20	19°54'31	3♐43	2° 4	6° 8	27°53	19°19	28° 9	0°59	18°43	29°51	25°16	25° 5	0°24	18° 9	T 6
F 7	23 31 17	20°53'22	16°12	3° 8	7° 3	28°32	19°24	28° 4	1° 1	18°41	29°52	25°15	25° 2	0°31	18° 8	F 7
S 8	23 35 13	21°52'15	29° 2	4°19	7°58	29°12	19°29	27°59	1° 4	18°40	29°53	25°15	24°59	0°38	18° 7	S 8
S 9	23 39 10	22°51'10	12♑17	5°37	8°52	29°51	19°35	27°55	1° 7	18°38	29°54	25°15	24°56	0°45	18° 5	S 9
M10	23 43 6	23°50'07	26° 0	6°59	9°46	0♎31	19°41	27°50	1° 9	18°36	29°55	25°12	24°52	0°51	18° 4	M10
T 11	23 47 3	24°49'06	10♒14	8°26	10°39	1°10	19°47	27°45	1°12	18°35	29°57	25° 8	24°49	0°58	18° 2	T 11
W12	23 51 0	25°48'06	24°55	9°57	11°31	1°50	19°53	27°40	1°14	18°33	29°58	25° 0	24°46	1° 5	18° 1	W12
T 13	23 54 56	26°47'08	9♓59	11°31	12°23	2°30	19°59	27°36	1°17	18°31	29°59	24°50	24°43	1°11	17°59	T 13
F 14	23 58 53	27°46'12	25°18	13° 8	13°14	3° 9	20° 6	27°31	1°19	18°30	29°59	24°39	24°40	1°18	17°58	F 14
S 15	0 2 49	28°45'18	10♈40	14°47	14° 4	3°49	20°12	27°26	1°22	18°28	0♌ 1	24°28	24°37	1°25	17°56	S 15
S 16	0 6 46	29°44'27	25°52	16°29	14°54	4°29	20°19	27°22	1°24	18°27	0° 2	24°19	24°33	1°32	17°54	S 16
M17	0 10 42	0♎43'37	10♉46	18°11	15°43	5° 9	20°26	27°17	1°26	18°25	0° 3	24°11	24°30	1°38	17°52	M17
T 18	0 14 39	1°42'50	25°14	19°55	16°31	5°49	20°33	27°12	1°29	18°23	0° 4	24° 6	24°27	1°45	17°50	T 18
W19	0 18 35	2°42'05	9♊13	21°40	17°19	6°29	20°40	27° 7	1°31	18°22	0° 5	24° 4	24°24	1°52	17°48	W19
T 20	0 22 32	3°41'23	22°43	23°25	18° 5	7° 8	20°47	27° 3	1°33	18°20	0° 6	24°D 3	24°21	1°58	17°46	T 20
F 21	0 26 29	4°40'43	5♋47	25°10	18°51	7°48	20°55	26°58	1°35	18°19	0° 7	24°R 3	24°17	2° 5	17°44	F 21
S 22	0 30 25	5°40'06	18°29	26°56	19°36	8°28	21° 3	26°53	1°37	18°17	0° 8	24° 3	24°14	2°12	17°42	S 22
S 23	0 34 22	6°39'30	0♌54	28°41	20°20	9° 9	21°10	26°49	1°39	18°15	0° 9	24° 0	24°11	2°19	17°40	S 23
M24	0 38 18	7°38'57	13° 5	0♎27	21° 3	9°49	21°18	26°44	1°41	18°14	0° 9	23°56	24° 8	2°25	17°38	M24
T 25	0 42 15	8°38'27	25° 7	2°12	21°45	10°29	21°26	26°40	1°43	18°12	0°10	23°48	24° 5	2°32	17°36	T 25
W26	0 46 11	9°37'58	7♍ 4	3°56	22°26	11° 9	21°34	26°35	1°45	18°11	0°11	23°38	24° 2	2°39	17°33	W26
T 27	0 50 8	10°37'32	18°57	5°41	23° 6	11°49	21°43	26°30	1°47	18° 9	0°12	23°25	23°58	2°46	17°31	T 27
F 28	0 54 4	11°37'08	0♎49	7°24	23°44	12°29	21°51	26°26	1°49	18° 8	0°12	23°11	23°55	2°52	17°29	F 28
S 29	0 58 1	12°36'46	12°41	9° 8	24°22	13°10	22° 0	26°22	1°51	18° 6	0°13	22°58	23°52	2°59	17°26	S 29
S 30	1 1 58	13♎36'26	24♎35	10♎50	24♏58	13♎50	22♐ 8	26♓17	1♌52	18♓ 5	0♌14	22♊45	23♊49	3♎ 6	17♉24	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n56	3n 2	4n57	11n40	0s20	14s52	3s 2	2n53	0n47	23s 1	0n 3	3s 1	2s39	20n37	0n33	5s41	1s22	25n50	5n40	23n29	23n28	4n46	15n42	1s42
S 2	5 33	1s50	4 42	11 48	0 3	15 17	3 8	2 37	0 47	23 2	0 3	3 3	2 39	20 37	0 33	5 42	1 22	25 50	5 41	23 28	23 28	4 43	15 42	1 42
M 3	5 10	6 40	4 15	11 52	0n13	15 42	3 14	2 20	0 46	23 2	0 3	3 5	2 39	20 36	0 34	5 42	1 22	25 50	5 41	23 28	23 27	4 40	15 41	1 43
T 4	4 47	11 16	3 37	11 51	0 28	16 7	3 19	2 4	0 46	23 3	0 3	3 7	2 39	20 36	0 34	5 43	1 22	25 50	5 41	23 28	23 27	4 38	15 41	1 43
W 5	4 24	15 30	2 48	11 47	0 42	16 32	3 25	1 48	0 46	23 3	0 3	3 9	2 39	20 35	0 34	5 44	1 22	25 50	5 41	23 28	23 27	4 35	15 40	1 43
T 6	4 1	19 10	1 51	11 38	0 54	16 56	3 31	1 32	0 45	23 4	0 3	3 10	2 39	20 34	0 34	5 44	1 22	25 50	5 41	23 27	23 27	4 32	15 40	1 43
F 7	3 38	22 2	0 48	11 25	1 6	17 20	3 36	1 16	0 45	23 4	0 3	3 12	2 39	20 34	0 34	5 45	1 22	25 49	5 42	23 27	23 27	4 29	15 39	1 43
S 8	3 14	23 52	0s20	11 9	1 16	17 43	3 42	1 0	0 44	23 5	0 3	3 14	2 39	20 33	0 34	5 46	1 22	25 49	5 42	23 27	23 27	4 27	15 39	1 43
S 9	2 51	24 27	1 29	10 48	1 25	18 6	3 48	0 44	0 44	23 6	0 2	3 16	2 39	20 33	0 34	5 46	1 22	25 49	5 42	23 27	23 27	4 24	15 38	1 44
M10	2 27	23 34	2 35	10 25	1 32	18 29	3 53	0 27	0 43	23 6	0 2	3 18	2 39	20 32	0 34	5 47	1 22	25 49	5 42	23 27	23 27	4 21	15 37	1 44
T 11	2 4	21 11	3 33	9 58	1 39	18 51	3 59	0 11	0 43	23 7	0 2	3 20	2 39	20 32	0 34	5 48	1 22	25 49	5 42	23 27	23 26	4 18	15 37	1 44
W12	1 41	17 21	4 20	9 28	1 44	19 13	4 4	0s 5	0 42	23 7	0 2	3 22	2 40	20 31	0 34	5 48	1 22	25 49	5 43	23 27	23 26	4 15	15 36	1 44
T 13	1 17	12 20	4 50	8 56	1 48	19 34	4 10	0 21	0 42	23 8	0 2	3 24	2 40	20 31	0 34	5 49	1 22	25 49	5 43	23 27	23 26	4 13	15 36	1 44
F 14	0 53	6 28	5 0	8 22	1 51	19 55	4 15	0 38	0 41	23 9	0 2	3 26	2 40	20 30	0 34	5 50	1 22	25 49	5 43	23 26	23 26	4 10	15 35	1 45
S 15	0 30	0 11	4 48	7 45	1 53	20 16	4 20	0 54	0 41	23 9	0 2	3 28	2 40	20 30	0 34	5 50	1 22	25 49	5 43	23 26	23 26	4 7	15 34	1 45
S 16	0 6	6n 3	4 16	7 7	1 55	20 36	4 25	1 10	0 40	23 10	0 2	3 30	2 40	20 29	0 34	5 51	1 22	25 49	5 43	23 25	23 26	4 4	15 34	1 45
M17	0s17	11 50	3 27	6 27	1 55	20 56	4 31	1 26	0 40	23 10	0 1	3 32	2 40	20 29	0 34	5 51	1 22	25 49	5 44	23 25	23 26	4 2	15 33	1 45
T 18	0 41	16 48	2 26	5 46	1 55	21 15	4 36	1 43	0 40	23 11	0 1	3 33	2 40	20 28	0 34	5 52	1 22	25 49	5 44	23 25	23 26	3 59	15 32	1 45
W19	1 5	20 39	1 18	5 4	1 54	21 33	4 41	1 59	0 39	23 12	0 1	3 35	2 40	20 28	0 34	5 53	1 22	25 49	5 44	23 25	23 25	3 56	15 32	1 46
T 20	1 28	23 13	0 7	4 20	1 52	21 51	4 46	2 15	0 39	23 12	0 1	3 37	2 40	20 27	0 34	5 53	1 22	25 49	5 44	23 25	23 25	3 53	15 31	1 46
F 21	1 52	24 27	1n 2	3 36	1 50	22 9	4 50	2 32	0 38	23 13	0 1	3 39	2 40	20 27	0 34	5 54	1 22	25 49	5 44	23 25	23 25	3 50	15 30	1 46
S 22	2 16	24 20	2 5	2 52	1 47	22 26	4 55	2 48	0 38	23 14	0 1	3 41	2 40	20 26	0 34	5 55	1 22	25 49	5 45	23 25	23 25	3 48	15 29	1 46
S 23	2 39	23 0	3 2	2 6	1 44	22 43	5 0	3 4	0 37	23 14	0 1	3 43	2 40	20 26	0 34	5 55	1 22	25 49	5 45	23 24	23 25	3 45	15 29	1 46
M24	3 3	20 36	3 48	1 21	1 40	22 59	5 4	3 20	0 37	23 15	0 1	3 45	2 40	20 26	0 34	5 56	1 22	25 49	5 45	23 24	23 25	3 42	15 28	1 46
T 25	3 26	17 21	4 24	0 35	1 36	23 14	5 8	3 37	0 36	23 15	0 0	3 46	2 40	20 25	0 34	5 56	1 22	25 49	5 45	23 24	23 25	3 39	15 27	1 47
W26	3 50	13 25	4 48	0s11	1 31	23 29	5 13	3 53	0 36	23 16	0 0	3 48	2 39	20 25	0 34	5 57	1 22	25 49	5 45	23 23	23 24	3 36	15 26	1 47
T 27	4 13	8 59	5 0	0 57	1 26	23 44	5 17	4 9	0 35	23 17	0 0	3 50	2 39	20 24	0 34	5 58	1 22	25 49	5 46	23 23	23 24	3 34	15 25	1 47
F 28	4 37	4 14	4 58	1 42	1 21	23 57	5 21	4 25	0 35	23 17	0 0	3 52	2 39	20 24	0 34	5 58	1 22	25 49	5 46	23 22	23 24	3 31	15 25	1 47
S 29	5 0	0s41	4 43	2 28	1 16	24 11	5 24	4 42	0 34	23 18	0 0	3 53	2 39	20 24	0 34	5 59	1 22	25 49	5 46	23 21	23 24	3 28	15 24	1 47
S 30	5s24	5s35	4n16	3s14	1n10	24s23	5s28	4s58	0n34	23s19	0s 0	3s55	2s39	20n23	0n34	5s59	1s22	25n49	5n46	23n21	23n24	3n25	15n23	1s47

Julian Day Number = 2159966.5, Delta T = 13m18s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'31, Lahiri = 12°43'31 Julian Calendar 1 Sept. 1201 == Greg. Calendar 8 Sept. 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

OCTOBER 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 5 54	14♎36'08	6♏32	12♎33	25♏33	14♎30	22♐17	26°R13	1♑54	18°R 3	0♑15	22°R35	23♊46	3♎12	17°R21	M 1
T 2	1 9 51	15°35'52	18°34	14°14	26° 7	15°11	22°26	26♓ 8	1°56	18♓ 2	0°15	22♊27	23°42	3°19	17♉19	T 2
W 3	1 13 47	16°35'38	0♐42	15°55	26°39	15°51	22°35	26° 4	1°57	18° 1	0°16	22°22	23°39	3°26	17°16	W 3
T 4	1 17 44	17°35'26	13° 1	17°35	27°10	16°32	22°44	26° 0	1°59	17°59	0°16	22°20	23°36	3°33	17°14	T 4
F 5	1 21 40	18°35'15	25°32	19°15	27°40	17°12	22°54	25°56	2° 0	17°58	0°17	22°D19	23°33	3°39	17°11	F 5
S 6	1 25 37	19°35'07	8♑21	20°55	28° 8	17°53	23° 3	25°52	2° 2	17°56	0°17	22°20	23°30	3°46	17° 8	S 6
S 7	1 29 33	20°35'00	21°31	22°33	28°34	18°34	23°13	25°47	2° 3	17°55	0°18	22°R20	23°27	3°53	17° 5	S 7
M 8	1 33 30	21°34'54	5♒ 5	24°11	28°58	19°14	23°22	25°43	2° 4	17°54	0°18	22°19	23°23	3°59	17° 3	M 8
T 9	1 37 27	22°34'51	19° 6	25°49	29°21	19°55	23°32	25°40	2° 6	17°52	0°19	22°17	23°20	4° 6	17° 0	T 9
W10	1 41 23	23°34'49	3♓33	27°26	29°42	20°36	23°42	25°36	2° 7	17°51	0°19	22°11	23°17	4°13	16°57	W10
T 11	1 45 20	24°34'48	18°24	29° 3	0♐ 1	21°17	23°52	25°32	2° 8	17°50	0°20	22° 4	23°14	4°20	16°54	T 11
F 12	1 49 16	25°34'50	3♈32	0♏39	0°18	21°57	24° 2	25°28	2° 9	17°49	0°20	21°56	23°11	4°26	16°51	F 12
S 13	1 53 13	26°34'53	18°47	2°14	0°33	22°38	24°12	25°24	2°10	17°47	0°21	21°47	23° 8	4°33	16°48	S 13
S 14	1 57 9	27°34'58	3♉58	3°49	0°46	23°19	24°23	25°21	2°11	17°46	0°21	21°39	23° 4	4°40	16°45	S 14
M15	2 1 6	28°35'04	18°56	5°24	0°57	24° 0	24°33	25°17	2°12	17°45	0°21	21°33	23° 1	4°46	16°42	M15
T 16	2 5 2	29°35'13	3♊31	6°58	1° 6	24°41	24°44	25°14	2°13	17°44	0°21	21°29	22°58	4°53	16°39	T 16
W17	2 8 59	0♏35'24	17°39	8°32	1°13	25°22	24°54	25°10	2°14	17°43	0°22	21°D28	22°55	5° 0	16°36	W17
T 18	2 12 56	1°35'38	1♋19	10° 6	1°17	26° 3	25° 5	25° 7	2°15	17°42	0°22	21°28	22°52	5° 7	16°33	T 18
F 19	2 16 52	2°35'53	14°30	11°39	1°R19	26°44	25°16	25° 4	2°15	17°41	0°22	21°29	22°48	5°13	16°30	F 19
S 20	2 20 49	3°36'10	27°17	13°12	1°18	27°26	25°27	25° 1	2°16	17°40	0°22	21°30	22°45	5°20	16°27	S 20
S 21	2 24 45	4°36'29	9♌44	14°44	1°15	28° 7	25°38	24°57	2°17	17°39	0°22	21°R30	22°42	5°27	16°24	S 21
M22	2 28 42	5°36'50	21°55	16°16	1°10	28°48	25°49	24°54	2°17	17°38	0°22	21°29	22°39	5°34	16°21	M22
T 23	2 32 38	6°37'14	3♍56	17°48	1° 2	29°29	26° 0	24°52	2°18	17°37	0°22	21°25	22°36	5°40	16°18	T 23
W24	2 36 35	7°37'39	15°49	19°19	0°52	0♏11	26°12	24°49	2°18	17°36	0°23	21°20	22°33	5°47	16°15	W24
T 25	2 40 31	8°38'06	27°41	20°50	0°39	0°52	26°23	24°46	2°18	17°35	0°R23	21°12	22°29	5°54	16°11	T 25
F 26	2 44 28	9°38'34	9♎32	22°21	0°24	1°34	26°35	24°43	2°19	17°34	0°23	21° 4	22°26	6° 0	16° 8	F 26
S 27	2 48 24	10°39'05	21°27	23°51	0° 7	2°15	26°46	24°41	2°19	17°33	0°23	20°56	22°23	6° 7	16° 5	S 27
S 28	2 52 21	11°39'37	3♏26	25°21	29♏47	2°57	26°58	24°38	2°19	17°32	0°22	20°49	22°20	6°14	16° 2	S 28
M29	2 56 18	12°40'11	15°32	26°51	29°26	3°38	27° 9	24°36	2°19	17°31	0°22	20°42	22°17	6°21	15°59	M29
T 30	3 0 14	13°40'47	27°45	28°20	29° 2	4°20	27°21	24°34	2°20	17°31	0°22	20°38	22°14	6°27	15°55	T 30
W31	3 4 11	14♏41'24	10♐ 7	29♏49	28♏35	5♏ 1	27♐33	24♓31	2♑20	17♓30	0♑22	20♊36	22♊10	6♎34	15♉52	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s47	10s20	3n38	3s59	1n 5	24s35	5s31	5s14	0n33	23s19	0s 0	3s57	2s39	20n23	0n34	6s 0	1s22	25n49	5n47	23n20	23n24	3n22	15n22	1s48
T 2	6 10	14 43	2 49	4 44	0 59	24 47	5 34	5 30	0 33	23 20	0 0	3 58	2 39	20 23	0 34	6 0	1 22	25 49	5 47	23 20	23 24	3 20	15 21	1 48
W 3	6 33	18 33	1 52	5 29	0 52	24 57	5 37	5 46	0 32	23 20	0 0	4 0	2 39	20 22	0 34	6 1	1 22	25 50	5 47	23 19	23 23	3 17	15 20	1 48
T 4	6 56	21 38	0 49	6 13	0 46	25 7	5 40	6 2	0 32	23 21	0 1	4 2	2 39	20 22	0 35	6 1	1 22	25 50	5 47	23 19	23 23	3 14	15 19	1 48
F 5	7 19	23 45	0s17	6 57	0 40	25 17	5 43	6 18	0 31	23 22	0 1	4 3	2 39	20 22	0 35	6 2	1 22	25 50	5 47	23 19	23 23	3 11	15 18	1 48
S 6	7 42	24 41	1 24	7 41	0 33	25 26	5 45	6 34	0 31	23 22	0 1	4 5	2 39	20 21	0 35	6 3	1 22	25 50	5 48	23 19	23 23	3 8	15 18	1 48
S 7	8 4	24 16	2 29	8 24	0 27	25 34	5 47	6 50	0 30	23 23	0 1	4 6	2 39	20 21	0 35	6 3	1 22	25 50	5 48	23 19	23 23	3 6	15 17	1 48
M 8	8 27	22 26	3 28	9 7	0 20	25 41	5 49	7 6	0 30	23 24	0 1	4 8	2 39	20 21	0 35	6 4	1 22	25 50	5 48	23 19	23 23	3 3	15 16	1 49
T 9	8 49	19 12	4 16	9 49	0 13	25 47	5 50	7 22	0 29	23 24	0 1	4 9	2 38	20 21	0 35	6 4	1 22	25 50	5 48	23 19	23 22	3 0	15 15	1 49
W10	9 12	14 44	4 49	10 30	0 7	25 53	5 51	7 38	0 29	23 25	0 1	4 11	2 38	20 20	0 35	6 4	1 22	25 50	5 49	23 19	23 22	2 57	15 14	1 49
T 11	9 34	9 16	5 4	11 11	0 0	25 58	5 52	7 54	0 28	23 25	0 1	4 12	2 38	20 20	0 35	6 5	1 22	25 50	5 49	23 18	23 22	2 54	15 13	1 49
F 12	9 56	3 9	4 59	11 51	0s 7	26 2	5 52	8 10	0 28	23 26	0 1	4 14	2 38	20 20	0 35	6 5	1 22	25 51	5 49	23 18	23 22	2 51	15 12	1 49
S 13	10 18	3n12	4 32	12 31	0 13	26 6	5 52	8 26	0 27	23 26	0 1	4 15	2 38	20 20	0 35	6 6	1 22	25 51	5 49	23 17	23 22	2 49	15 11	1 49
S 14	10 40	9 21	3 46	13 10	0 20	26 8	5 52	8 41	0 27	23 27	0 2	4 16	2 38	20 20	0 35	6 6	1 22	25 51	5 50	23 17	23 22	2 46	15 10	1 49
M15	11 1	14 53	2 45	13 48	0 27	26 10	5 51	8 57	0 26	23 28	0 2	4 17	2 38	20 19	0 35	6 7	1 22	25 51	5 50	23 16	23 22	2 43	15 9	1 50
T 16	11 22	19 24	1 35	14 25	0 33	26 10	5 50	9 13	0 25	23 28	0 2	4 19	2 38	20 19	0 35	6 7	1 22	25 51	5 50	23 16	23 21	2 40	15 8	1 50
W17	11 44	22 38	0 20	15 2	0 40	26 10	5 49	9 28	0 25	23 29	0 2	4 20	2 37	20 19	0 35	6 8	1 22	25 51	5 50	23 16	23 21	2 37	15 7	1 50
T 18	12 5	24 25	0n53	15 38	0 46	26 9	5 46	9 44	0 24	23 29	0 2	4 21	2 37	20 19	0 35	6 8	1 22	25 52	5 50	23 16	23 21	2 34	15 6	1 50
F 19	12 26	24 45	2 1	16 14	0 53	26 7	5 44	9 59	0 24	23 30	0 2	4 22	2 37	20 19	0 35	6 8	1 22	25 52	5 51	23 16	23 21	2 32	15 5	1 50
S 20	12 46	23 45	3 1	16 48	0 59	26 4	5 41	10 14	0 23	23 30	0 2	4 23	2 37	20 19	0 35	6 9	1 22	25 52	5 51	23 16	23 21	2 29	15 4	1 50
S 21	13 7	21 35	3 50	17 22	1 5	25 59	5 37	10 30	0 23	23 31	0 2	4 24	2 37	20 19	0 35	6 9	1 21	25 52	5 51	23 16	23 20	2 26	15 3	1 50
M22	13 27	18 30	4 29	17 55	1 11	25 54	5 33	10 45	0 22	23 31	0 2	4 26	2 37	20 18	0 35	6 10	1 21	25 52	5 51	23 16	23 20	2 23	15 2	1 50
T 23	13 47	14 40	4 54	18 27	1 17	25 48	5 28	11 0	0 22	23 31	0 2	4 27	2 36	20 18	0 35	6 10	1 21	25 52	5 52	23 16	23 20	2 20	15 1	1 51
W24	14 7	10 19	5 7	18 58	1 23	25 40	5 22	11 15	0 21	23 32	0 3	4 27	2 36	20 18	0 35	6 10	1 21	25 53	5 52	23 15	23 20	2 17	15 0	1 51
T 25	14 26	5 37	5 6	19 28	1 29	25 31	5 16	11 30	0 21	23 32	0 3	4 28	2 36	20 18	0 35	6 11	1 21	25 53	5 52	23 15	23 20	2 15	14 59	1 51
F 26	14 46	0 41	4 53	19 57	1 34	25 22	5 9	11 45	0 20	23 33	0 3	4 29	2 36	20 18	0 35	6 11	1 21	25 53	5 52	23 14	23 20	2 12	14 58	1 51
S 27	15 5	4s17	4 26	20 25	1 39	25 11	5 2	12 0	0 19	23 33	0 3	4 30	2 36	20 18	0 35	6 11	1 21	25 53	5 53	23 14	23 19	2 9	14 57	1 51
S 28	15 24	9 9	3 48	20 53	1 45	24 58	4 54	12 15	0 19	23 33	0 3	4 31	2 36	20 18	0 35	6 12	1 21	25 54	5 53	23 13	23 19	2 6	14 56	1 51
M29	15 42	13 42	2 59	21 19	1 49	24 45	4 45	12 30	0 18	23 34	0 3	4 32	2 35	20 18	0 35	6 12	1 21	25 54	5 53	23 13	23 19	2 3	14 55	1 51
T 30	16 1	17 47	2 1	21 44	1 54	24 30	4 36	12 44	0 18	23 34	0 3	4 32	2 35	20 18	0 36	6 12	1 21	25 54	5 53	23 13	23 19	2 0	14 54	1 51
W31	16s19	21s 8	0n57	22s 8	1s59	24s15	4s26	12s59	0n17	23s35	0s 3	4s33	2s35	20n18	0n36	6s12	1s21	25n54	5n53	23n12	23n19	1n57	14n53	1s51

Julian Day Number = 2159996.5, Delta T = 13m18s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'35, Lahiri = 12°43'35 Julian Calendar 1 Oct. 1201 == Greg. Calendar 8 Oct. 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

NOVEMBER 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 7	15♏42'02	22♐39	1♐18	28°R 7	5♏43	27♐45	24°R29	2°R20	17°R29	0°R22	20°D35	22♊ 7	6♎41	15°R49	T 1
F 2	3 12 4	16°42'42	5♑23	2°46	27♏38	6°25	27°57	24♓27	2♌20	17♓29	0♌22	20♊36	22° 4	6°47	15♉46	F 2
S 3	3 16 0	17°43'23	18°21	4°13	27° 6	7° 7	28° 9	24°26	2°19	17°28	0°21	20°38	22° 1	6°54	15°43	S 3
S 4	3 19 57	18°44'05	1♒35	5°40	26°34	7°48	28°22	24°24	2°19	17°27	0°21	20°39	21°58	7° 1	15°39	S 4
M 5	3 23 54	19°44'49	15° 7	7° 7	26° 0	8°30	28°34	24°22	2°19	17°27	0°21	20°R40	21°54	7° 8	15°36	M 5
T 6	3 27 50	20°45'33	28°59	8°32	25°25	9°12	28°46	24°21	2°19	17°26	0°21	20°40	21°51	7°14	15°33	T 6
W 7	3 31 47	21°46'19	13♓11	9°57	24°49	9°54	28°59	24°19	2°19	17°26	0°20	20°38	21°48	7°21	15°30	W 7
T 8	3 35 43	22°47'05	27°41	11°21	24°13	10°36	29°11	24°18	2°18	17°25	0°20	20°36	21°45	7°28	15°27	T 8
F 9	3 39 40	23°47'52	12♈25	12°44	23°36	11°18	29°24	24°16	2°18	17°25	0°20	20°32	21°42	7°34	15°23	F 9
S 10	3 43 36	24°48'41	27°16	14° 6	23° 0	12° 0	29°36	24°15	2°17	17°24	0°19	20°28	21°39	7°41	15°20	S 10
S 11	3 47 33	25°49'30	12♉ 9	15°27	22°24	12°42	29°49	24°14	2°17	17°24	0°19	20°25	21°35	7°48	15°17	S 11
M12	3 51 29	26°50'21	26°52	16°46	21°48	13°25	0♑ 2	24°13	2°16	17°24	0°18	20°22	21°32	7°55	15°14	M12
T 13	3 55 26	27°51'13	11♊21	18° 3	21°13	14° 7	0°14	24°13	2°15	17°23	0°18	20°21	21°29	8° 1	15°11	T 13
W14	3 59 23	28°52'06	25°28	19°18	20°39	14°49	0°27	24°12	2°15	17°23	0°17	20°D21	21°26	8° 8	15° 8	W14
T 15	4 3 19	29°53'01	9♋11	20°31	20° 6	15°31	0°40	24°11	2°14	17°23	0°17	20°21	21°23	8°15	15° 5	T 15
F 16	4 7 16	0♐53'56	22°29	21°41	19°35	16°14	0°53	24°11	2°13	17°23	0°16	20°23	21°20	8°22	15° 2	F 16
S 17	4 11 12	1°54'53	5♌22	22°48	19° 6	16°56	1° 6	24°10	2°12	17°22	0°16	20°24	21°16	8°28	14°59	S 17
S 18	4 15 9	2°55'51	17°54	23°52	18°38	17°38	1°19	24°10	2°11	17°22	0°15	20°26	21°13	8°35	14°56	S 18
M19	4 19 5	3°56'51	0♍ 9	24°51	18°12	18°21	1°32	24°10	2°10	17°22	0°14	20°R26	21°10	8°42	14°53	M19
T 20	4 23 2	4°57'51	12°12	25°46	17°48	19° 3	1°46	24°D10	2° 9	17°22	0°14	20°26	21° 7	8°48	14°50	T 20
W21	4 26 58	5°58'53	24° 7	26°35	17°27	19°46	1°59	24°10	2° 8	17°22	0°13	20°25	21° 4	8°55	14°47	W21
T 22	4 30 55	6°59'56	5♎58	27°19	17° 7	20°29	2°12	24°10	2° 7	17°D22	0°12	20°24	21° 0	9° 2	14°44	T 22
F 23	4 34 52	8° 1'00	17°50	27°55	16°51	21°11	2°25	24°10	2° 6	17°22	0°11	20°22	20°57	9° 9	14°41	F 23
S 24	4 38 48	9° 2'04	29°48	28°23	16°36	21°54	2°39	24°11	2° 5	17°22	0°11	20°20	20°54	9°15	14°38	S 24
S 25	4 42 45	10° 3'10	11♏52	28°43	16°24	22°37	2°52	24°11	2° 3	17°22	0°10	20°18	20°51	9°22	14°35	S 25
M26	4 46 41	11° 4'17	24° 7	28°54	16°15	23°20	3° 6	24°12	2° 2	17°22	0° 9	20°17	20°48	9°29	14°32	M26
T 27	4 50 38	12° 5'24	6♐34	28°R54	16° 8	24° 2	3°19	24°12	2° 1	17°22	0° 8	20°16	20°45	9°35	14°30	T 27
W28	4 54 34	13° 6'33	19°14	28°43	16° 3	24°45	3°33	24°13	1°59	17°23	0° 7	20°D16	20°41	9°42	14°27	W28
T 29	4 58 31	14° 7'42	2♑ 7	28°21	16°D 1	25°28	3°46	24°14	1°58	17°23	0° 6	20°16	20°38	9°49	14°24	T 29
F 30	5 2 27	15♐ 8'51	15♑13	27♐46	16♏ 2	26♏11	4♑ 0	24♓15	1♌56	17♓23	0♌ 6	20♊17	20♊35	9♎56	14♉21	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s37	23s32	0s11	22s31	2s 3	23s58	4s15	13s13	0n17	23s35	0s 3	4s34	2s35	20n18	0n36	6s13	1s21	25n55	5n54	23n12	23n18	1n55	14n52	1s52
F 2	16 54	24 46	1 20	22 53	2 7	23 40	4 4	13 28	0 16	23 35	0 3	4 34	2 34	20 18	0 36	6 13	1 21	25 55	5 54	23 12	23 18	1 52	14 51	1 52
S 3	17 11	24 41	2 26	23 13	2 11	23 21	3 52	13 42	0 15	23 35	0 4	4 35	2 34	20 18	0 36	6 13	1 21	25 55	5 54	23 13	23 18	1 49	14 50	1 52
S 4	17 28	23 14	3 25	23 32	2 14	23 1	3 39	13 56	0 15	23 36	0 4	4 35	2 34	20 18	0 36	6 13	1 21	25 55	5 54	23 13	23 18	1 46	14 49	1 52
M 5	17 45	20 26	4 15	23 50	2 17	22 40	3 26	14 10	0 14	23 36	0 4	4 36	2 34	20 19	0 36	6 13	1 21	25 56	5 55	23 13	23 18	1 43	14 48	1 52
T 6	18 1	16 25	4 51	24 7	2 20	22 19	3 13	14 24	0 14	23 36	0 4	4 36	2 34	20 19	0 36	6 14	1 21	25 56	5 55	23 13	23 17	1 40	14 47	1 52
W 7	18 17	11 25	5 11	24 23	2 22	21 56	2 58	14 38	0 13	23 36	0 4	4 37	2 33	20 19	0 36	6 14	1 21	25 56	5 55	23 13	23 17	1 37	14 46	1 52
T 8	18 33	5 41	5 11	24 37	2 24	21 33	2 44	14 52	0 13	23 37	0 4	4 37	2 33	20 19	0 36	6 14	1 21	25 57	5 55	23 12	23 17	1 34	14 45	1 52
F 9	18 48	0n28	4 51	24 49	2 25	21 10	2 29	15 6	0 12	23 37	0 4	4 37	2 33	20 19	0 36	6 14	1 21	25 57	5 55	23 12	23 17	1 32	14 44	1 52
S 10	19 3	6 38	4 11	25 0	2 26	20 46	2 14	15 19	0 11	23 37	0 4	4 38	2 33	20 19	0 36	6 14	1 21	25 57	5 56	23 12	23 17	1 29	14 43	1 52
S 11	19 18	12 27	3 15	25 10	2 26	20 22	1 59	15 33	0 11	23 37	0 4	4 38	2 33	20 19	0 36	6 14	1 21	25 58	5 56	23 12	23 16	1 26	14 42	1 52
M12	19 32	17 30	2 6	25 18	2 26	19 57	1 43	15 46	0 10	23 37	0 4	4 38	2 32	20 20	0 36	6 14	1 21	25 58	5 56	23 12	23 16	1 23	14 41	1 52
T 13	19 46	21 25	0 49	25 25	2 25	19 33	1 28	15 59	0 10	23 37	0 5	4 38	2 32	20 20	0 36	6 14	1 21	25 58	5 56	23 11	23 16	1 20	14 40	1 53
W14	20 0	23 56	0n28	25 30	2 24	19 9	1 12	16 13	0 9	23 37	0 5	4 38	2 32	20 20	0 36	6 15	1 21	25 59	5 57	23 11	23 16	1 17	14 39	1 53
T 15	20 13	24 55	1 42	25 33	2 22	18 45	0 56	16 26	0 8	23 37	0 5	4 38	2 32	20 20	0 36	6 15	1 21	25 59	5 57	23 11	23 16	1 14	14 38	1 53
F 16	20 26	24 25	2 48	25 35	2 19	18 22	0 41	16 38	0 8	23 37	0 5	4 38	2 31	20 20	0 36	6 15	1 21	25 59	5 57	23 12	23 15	1 11	14 37	1 53
S 17	20 38	22 37	3 43	25 36	2 15	17 59	0 26	16 51	0 7	23 37	0 5	4 38	2 31	20 21	0 36	6 15	1 21	26 0	5 57	23 12	23 15	1 9	14 36	1 53
S 18	20 50	19 45	4 27	25 34	2 10	17 37	0 10	17 4	0 7	23 37	0 5	4 38	2 31	20 21	0 36	6 15	1 21	26 0	5 57	23 12	23 15	1 6	14 35	1 53
M19	21 2	16 5	4 56	25 31	2 5	17 15	0n 4	17 16	0 6	23 37	0 5	4 38	2 31	20 21	0 36	6 15	1 21	26 0	5 58	23 12	23 15	1 3	14 34	1 53
T 20	21 13	11 49	5 13	25 27	1 58	16 55	0 19	17 29	0 5	23 37	0 5	4 38	2 30	20 21	0 36	6 15	1 20	26 1	5 58	23 12	23 15	1 0	14 33	1 53
W21	21 24	7 10	5 15	25 20	1 50	16 35	0 33	17 41	0 5	23 37	0 5	4 37	2 30	20 22	0 36	6 15	1 20	26 1	5 58	23 12	23 14	0 57	14 32	1 53
T 22	21 34	2 17	5 4	25 12	1 42	16 16	0 47	17 53	0 4	23 37	0 5	4 37	2 30	20 22	0 36	6 15	1 20	26 1	5 58	23 12	23 14	0 54	14 32	1 53
F 23	21 44	2s42	4 41	25 3	1 31	15 58	1 1	18 5	0 4	23 37	0 6	4 37	2 30	20 22	0 36	6 15	1 20	26 2	5 59	23 11	23 14	0 51	14 31	1 53
S 24	21 54	7 38	4 4	24 52	1 20	15 42	1 14	18 16	0 3	23 37	0 6	4 36	2 29	20 22	0 36	6 15	1 20	26 2	5 59	23 11	23 14	0 48	14 30	1 53
S 25	22 3	12 20	3 17	24 39	1 7	15 26	1 26	18 28	0 2	23 36	0 6	4 36	2 29	20 23	0 37	6 15	1 20	26 2	5 59	23 11	23 14	0 45	14 29	1 53
M26	22 12	16 37	2 20	24 25	0 53	15 12	1 38	18 40	0 2	23 36	0 6	4 36	2 29	20 23	0 37	6 14	1 20	26 3	5 59	23 11	23 13	0 43	14 28	1 53
T 27	22 20	20 16	1 15	24 10	0 38	14 59	1 50	18 51	0 1	23 36	0 6	4 35	2 29	20 23	0 37	6 14	1 20	26 3	5 59	23 11	23 13	0 40	14 27	1 53
W28	22 28	23 1	0 6	23 53	0 21	14 47	2 1	19 2	0 0	23 36	0 6	4 35	2 28	20 24	0 37	6 14	1 20	26 4	6 0	23 11	23 13	0 37	14 26	1 53
T 29	22 36	24 37	1s 5	23 35	0 3	14 36	2 12	19 13	0s 0	23 35	0 6	4 34	2 28	20 24	0 37	6 14	1 20	26 4	6 0	23 11	23 13	0 34	14 26	1 53
F 30	22s43	24s53	2s14	23s15	0n16	14s27	2n22	19s24	0s 1	23s35	0s 6	4s33	2s28	20n25	0n37	6s14	1s20	26n 4	6n 0	23n11	23n12	0n31	14n25	1s53

Julian Day Number = 2160027.5, Delta T = 13m18s
Ecliptic obliquity = 23°32'35, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'39, Lahiri = 12°43'39 Julian Calendar 1 Nov. 1201 == Greg. Calendar 8 Nov. 1201

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ASTRODIENST EPHEMERIS for the year 1201
geocentric

DECEMBER 1201 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 24	16♐10'01	28♑32	27°R 1	16♏ 5	26♏54	4♑13	24♓16	1°R55	17♓23	0°R 5	20♊17	20♊32	10♎ 2	14°R19	S 1
S 2	5 10 21	17°11'11	12♒ 4	26♐ 4	16°10	27°37	4°27	24°18	1♌53	17°24	0♌ 4	20°18	20°29	10° 9	14♉16	S 2
M 3	5 14 17	18°12'21	25°47	24°59	16°17	28°20	4°41	24°19	1°52	17°24	0° 3	20°18	20°26	10°16	14°14	M 3
T 4	5 18 14	19°13'31	9♓43	23°45	16°27	29° 3	4°55	24°20	1°50	17°25	0° 2	20°18	20°22	10°22	14°11	T 4
W 5	5 22 10	20°14'41	23°48	22°26	16°39	29°46	5° 8	24°22	1°48	17°25	0° 1	20°18	20°19	10°29	14° 9	W 5
T 6	5 26 7	21°15'52	8♈ 2	21° 4	16°53	0♐30	5°22	24°24	1°46	17°26	29♋59	20°18	20°16	10°36	14° 6	T 6
F 7	5 30 3	22°17'02	22°22	19°42	17°10	1°13	5°36	24°25	1°45	17°26	29°59	20°18	20°13	10°43	14° 4	F 7
S 8	5 34 0	23°18'12	6♉45	18°22	17°28	1°56	5°50	24°27	1°43	17°27	29°58	20°18	20°10	10°49	14° 2	S 8
S 9	5 37 56	24°19'23	21° 7	17° 8	17°48	2°40	6° 4	24°29	1°41	17°27	29°57	20°19	20° 6	10°56	13°59	S 9
M10	5 41 53	25°20'33	5♊24	16° 0	18°10	3°23	6°17	24°31	1°39	17°28	29°56	20°19	20° 3	11° 3	13°57	M10
T 11	5 45 50	26°21'44	19°30	15° 1	18°34	4° 6	6°31	24°34	1°37	17°28	29°54	20°R19	20° 0	11° 9	13°55	T 11
W12	5 49 46	27°22'54	3♋22	14°12	19° 0	4°50	6°45	24°36	1°35	17°29	29°53	20°19	19°57	11°16	13°53	W12
T 13	5 53 43	28°24'05	16°56	13°34	19°28	5°33	6°59	24°38	1°33	17°30	29°52	20°18	19°54	11°23	13°51	T 13
F 14	5 57 39	29°25'16	0♌10	13° 5	19°57	6°17	7°13	24°41	1°31	17°31	29°51	20°17	19°51	11°30	13°49	F 14
S 15	6 1 36	0♑26'27	13° 4	12°47	20°28	7° 0	7°27	24°44	1°29	17°31	29°50	20°16	19°47	11°36	13°47	S 15
S 16	6 5 32	1°27'38	25°39	12°D39	21° 0	7°44	7°41	24°46	1°27	17°32	29°49	20°15	19°44	11°43	13°45	S 16
M17	6 9 29	2°28'49	7♍58	12°40	21°34	8°28	7°55	24°49	1°24	17°33	29°47	20°13	19°41	11°50	13°43	M17
T 18	6 13 26	3°30'00	20° 3	12°50	22° 9	9°11	8° 9	24°52	1°22	17°34	29°46	20°12	19°38	11°56	13°41	T 18
W19	6 17 22	4°31'12	2♎ 0	13° 7	22°46	9°55	8°23	24°55	1°20	17°35	29°45	20°D12	19°35	12° 3	13°40	W19
T 20	6 21 19	5°32'23	13°51	13°32	23°24	10°39	8°37	24°58	1°18	17°36	29°44	20°12	19°32	12°10	13°38	T 20
F 21	6 25 15	6°33'35	25°44	14° 3	24° 3	11°23	8°51	25° 1	1°16	17°37	29°43	20°13	19°28	12°17	13°36	F 21
S 22	6 29 12	7°34'46	7♏42	14°40	24°44	12° 6	9° 5	25° 5	1°13	17°38	29°41	20°14	19°25	12°23	13°35	S 22
S 23	6 33 8	8°35'57	19°49	15°23	25°26	12°50	9°19	25° 8	1°11	17°39	29°40	20°16	19°22	12°30	13°33	S 23
M24	6 37 5	9°37'09	2♐10	16°10	26° 8	13°34	9°33	25°12	1° 8	17°40	29°39	20°17	19°19	12°37	13°32	M24
T 25	6 41 1	10°38'20	14°47	17° 1	26°52	14°18	9°47	25°15	1° 6	17°41	29°37	20°R18	19°16	12°43	13°31	T 25
W26	6 44 58	11°39'31	27°43	17°57	27°37	15° 2	10° 1	25°19	1° 4	17°42	29°36	20°18	19°12	12°50	13°29	W26
T 27	6 48 55	12°40'41	10♑57	18°55	28°23	15°46	10°15	25°23	1° 1	17°43	29°35	20°17	19° 9	12°57	13°28	T 27
F 28	6 52 51	13°41'51	24°29	19°57	29°10	16°31	10°29	25°27	0°59	17°45	29°33	20°14	19° 6	13° 4	13°27	F 28
S 29	6 56 48	14°43'01	8♒17	21° 1	29°58	17°15	10°43	25°31	0°56	17°46	29°32	20°11	19° 3	13°10	13°26	S 29
S 30	7 0 44	15°44'09	22°16	22° 8	0♐46	17°59	10°57	25°35	0°54	17°47	29°31	20° 7	19° 0	13°17	13°25	S 30
M31	7 4 41	16♑45'17	6♓24	23♐18	1♐36	18♐43	11♑11	25♓39	0♌51	17♓48	29♋29	20♊ 3	18♊57	13♎24	13♉24	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s49	23s45	3s17	22s55	0n36	14s18	2n32	19s34	0s 2	23s35	0s 6	4s33	2s28	20n25	0n37	6s14	1s20	26n 5	6n 0	23n11	23n12	0n28	14n24	1s53
S 2	22 55	21 14	4 9	22 33	0 56	14 11	2 41	19 45	0 2	23 34	0 6	4 32	2 28	20 25	0 37	6 14	1 20	26 5	6 0	23 11	23 12	0 25	14 23	1 53
M 3	23 1	17 30	4 49	22 11	1 16	14 5	2 49	19 55	0 3	23 34	0 6	4 31	2 27	20 26	0 37	6 13	1 20	26 6	6 0	23 11	23 12	0 22	14 22	1 53
T 4	23 6	12 46	5 12	21 48	1 35	14 0	2 58	20 5	0 3	23 34	0 7	4 30	2 27	20 26	0 37	6 13	1 20	26 6	6 1	23 11	23 12	0 19	14 22	1 53
W 5	23 11	7 19	5 17	21 26	1 54	13 55	3 5	20 15	0 4	23 33	0 7	4 30	2 27	20 27	0 37	6 13	1 20	26 6	6 1	23 11	23 11	0 16	14 21	1 53
T 6	23 15	1 26	5 2	21 4	2 11	13 52	3 13	20 25	0 5	23 33	0 7	4 29	2 27	20 27	0 37	6 13	1 20	26 7	6 1	23 11	23 11	0 14	14 20	1 53
F 7	23 19	4n35	4 29	20 43	2 26	13 50	3 19	20 35	0 5	23 32	0 7	4 28	2 26	20 27	0 37	6 13	1 20	26 7	6 1	23 11	23 11	0 11	14 19	1 53
S 8	23 22	10 23	3 39	20 23	2 39	13 49	3 26	20 44	0 6	23 32	0 7	4 27	2 26	20 28	0 37	6 12	1 20	26 8	6 1	23 11	23 11	0 8	14 19	1 53
S 9	23 25	15 37	2 35	20 6	2 50	13 49	3 32	20 53	0 7	23 31	0 7	4 26	2 26	20 28	0 37	6 12	1 20	26 8	6 2	23 11	23 10	0 5	14 18	1 53
M10	23 28	19 57	1 22	19 51	2 58	13 50	3 37	21 3	0 7	23 31	0 7	4 25	2 26	20 29	0 37	6 12	1 20	26 8	6 2	23 11	23 10	0 2	14 17	1 53
T 11	23 30	23 3	0 5	19 39	3 4	13 52	3 43	21 11	0 8	23 30	0 7	4 24	2 25	20 29	0 37	6 11	1 20	26 9	6 2	23 11	23 10	0s 1	14 17	1 53
W12	23 31	24 42	1n12	19 30	3 8	13 54	3 47	21 20	0 9	23 30	0 7	4 22	2 25	20 30	0 37	6 11	1 20	26 9	6 2	23 11	23 10	0 4	14 16	1 53
T 13	23 32	24 49	2 22	19 24	3 9	13 57	3 52	21 29	0 9	23 29	0 7	4 21	2 25	20 30	0 37	6 11	1 20	26 10	6 2	23 11	23 9	0 7	14 16	1 53
F 14	23 33	23 31	3 23	19 21	3 9	14 1	3 56	21 37	0 10	23 28	0 8	4 20	2 25	20 31	0 37	6 11	1 20	26 10	6 2	23 11	23 9	0 10	14 15	1 53
S 15	23 33	21 0	4 12	19 21	3 7	14 6	3 59	21 45	0 11	23 28	0 8	4 19	2 24	20 31	0 37	6 10	1 20	26 10	6 3	23 11	23 9	0 13	14 14	1 53
S 16	23 32	17 32	4 48	19 23	3 3	14 11	4 3	21 53	0 11	23 27	0 8	4 17	2 24	20 32	0 37	6 10	1 19	26 11	6 3	23 11	23 9	0 16	14 14	1 53
M17	23 31	13 23	5 9	19 28	2 58	14 17	4 6	22 0	0 12	23 26	0 8	4 16	2 24	20 32	0 37	6 9	1 19	26 11	6 3	23 11	23 8	0 19	14 13	1 53
T 18	23 30	8 48	5 16	19 35	2 53	14 23	4 8	22 8	0 13	23 25	0 8	4 15	2 24	20 33	0 37	6 9	1 19	26 12	6 3	23 11	23 8	0 21	14 13	1 53
W19	23 28	3 56	5 10	19 44	2 46	14 30	4 10	22 15	0 13	23 25	0 8	4 13	2 23	20 33	0 37	6 9	1 19	26 12	6 3	23 11	23 8	0 24	14 12	1 53
T 20	23 26	1s 2	4 50	19 54	2 39	14 38	4 12	22 22	0 14	23 24	0 8	4 12	2 23	20 34	0 37	6 8	1 19	26 12	6 3	23 11	23 8	0 27	14 12	1 53
F 21	23 23	5 59	4 18	20 5	2 31	14 46	4 14	22 29	0 15	23 23	0 8	4 10	2 23	20 34	0 37	6 8	1 19	26 13	6 3	23 11	23 7	0 30	14 11	1 53
S 22	23 20	10 46	3 34	20 18	2 23	14 54	4 16	22 36	0 15	23 22	0 8	4 9	2 23	20 35	0 37	6 7	1 19	26 13	6 4	23 11	23 7	0 33	14 11	1 53
S 23	23 16	15 12	2 40	20 31	2 14	15 3	4 17	22 42	0 16	23 21	0 8	4 7	2 23	20 35	0 37	6 7	1 19	26 14	6 4	23 11	23 7	0 36	14 10	1 53
M24	23 12	19 5	1 38	20 45	2 5	15 12	4 18	22 48	0 17	23 20	0 9	4 6	2 22	20 36	0 37	6 7	1 19	26 14	6 4	23 11	23 7	0 39	14 10	1 53
T 25	23 7	22 10	0 30	20 59	1 56	15 21	4 18	22 54	0 17	23 19	0 9	4 4	2 22	20 36	0 37	6 6	1 19	26 15	6 4	23 11	23 6	0 42	14 10	1 53
W26	23 2	24 12	0s41	21 13	1 47	15 31	4 19	23 0	0 18	23 18	0 9	4 2	2 22	20 37	0 37	6 6	1 19	26 15	6 4	23 11	23 6	0 45	14 9	1 53
T 27	22 56	24 56	1 51	21 28	1 38	15 40	4 19	23 5	0 19	23 17	0 9	4 1	2 22	20 38	0 37	6 5	1 19	26 15	6 4	23 11	23 6	0 48	14 9	1 53
F 28	22 50	24 13	2 57	21 42	1 28	15 51	4 19	23 11	0 19	23 16	0 9	3 59	2 22	20 38	0 37	6 5	1 19	26 16	6 4	23 11	23 6	0 51	14 8	1 53
S 29	22 44	22 2	3 54	21 55	1 19	16 1	4 19	23 16	0 20	23 15	0 9	3 57	2 21	20 39	0 37	6 4	1 19	26 16	6 4	23 11	23 5	0 54	14 8	1 53
S 30	22 37	18 31	4 37	22 9	1 10	16 11	4 18	23 21	0 21	23 14	0 9	3 55	2 21	20 39	0 37	6 4	1 19	26 17	6 5	23 10	23 5	0 57	14 8	1 53
M31	22s29	13s54	5s 4	22s22	1n 1	16s22	4n18	23s25	0s22	23s13	0s 9	3s53	2s21	20n40	0n37	6s 3	1s19	26n17	6n 5	23n10	23n 5	1s 0	14n 8	1s53

Julian Day Number = 2160057.5, Delta T = 13m18s
Ecliptic obliquity = 23°32'35, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'43, Lahiri = 12°43'44 Julian Calendar 1 Dec. 1201 == Greg. Calendar 8 Dec. 1201

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

JANUARY 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 37	17♑46'24	20♓37	24♐29	2♐26	19♐27	11♑25	25♓43	0°R49	17♓50	29°R28	20°R 0	18♊53	13♎30	13°R23	T 1
W 2	7 12 34	18°47'30	4♈50	25°42	3°17	20°12	11°39	25°48	0♌46	17°51	29♋27	19♊57	18°50	13°37	13♉22	W 2
T 3	7 16 30	19°48'34	19° 2	26°57	4° 8	20°56	11°53	25°52	0°44	17°52	29°25	19°D57	18°47	13°44	13°21	T 3
F 4	7 20 27	20°49'38	3♉ 9	28°13	5° 1	21°40	12° 7	25°56	0°41	17°54	29°24	19°57	18°44	13°51	13°20	F 4
S 5	7 24 24	21°50'41	17°11	29°31	5°54	22°25	12°21	26° 1	0°39	17°55	29°23	19°59	18°41	13°57	13°20	S 5
S 6	7 28 20	22°51'42	1♊ 6	0♑50	6°48	23° 9	12°35	26° 6	0°36	17°57	29°21	20° 0	18°38	14° 4	13°19	S 6
M 7	7 32 17	23°52'43	14°53	2°10	7°42	23°54	12°49	26°11	0°33	17°58	29°20	20°R 1	18°34	14°11	13°18	M 7
T 8	7 36 13	24°53'42	28°31	3°31	8°37	24°38	13° 3	26°15	0°31	18° 0	29°18	20° 1	18°31	14°17	13°18	T 8
W 9	7 40 10	25°54'41	11♋57	4°54	9°33	25°23	13°17	26°20	0°28	18° 1	29°17	19°59	18°28	14°24	13°17	W 9
T 10	7 44 6	26°55'38	25°12	6°17	10°29	26° 7	13°31	26°25	0°26	18° 3	29°16	19°55	18°25	14°31	13°17	T 10
F 11	7 48 3	27°56'34	8♌12	7°42	11°26	26°52	13°45	26°30	0°23	18° 4	29°14	19°50	18°22	14°38	13°17	F 11
S 12	7 51 59	28°57'29	20°58	9° 7	12°23	27°36	13°59	26°35	0°20	18° 6	29°13	19°43	18°18	14°44	13°17	S 12
S 13	7 55 56	29°58'23	3♍29	10°34	13°21	28°21	14°12	26°41	0°18	18° 8	29°11	19°35	18°15	14°51	13°17	S 13
M14	7 59 53	0♒59'17	15°46	12° 1	14°19	29° 6	14°26	26°46	0°15	18° 9	29°10	19°28	18°12	14°58	13°16	M14
T 15	8 3 49	2° 0'09	27°51	13°29	15°18	29°50	14°40	26°51	0°12	18°11	29° 9	19°21	18° 9	15° 4	13°D16	T 15
W16	8 7 46	3° 1'00	9♎47	14°58	16°17	0♑35	14°54	26°57	0°10	18°13	29° 7	19°16	18° 6	15°11	13°16	W16
T 17	8 11 42	4° 1'50	21°39	16°28	17°16	1°20	15° 7	27° 2	0° 7	18°14	29° 6	19°13	18° 3	15°18	13°17	T 17
F 18	8 15 39	5° 2'40	3♏30	17°58	18°16	2° 5	15°21	27° 8	0° 5	18°16	29° 4	19°D12	17°59	15°24	13°17	F 18
S 19	8 19 35	6° 3'28	15°26	19°30	19°17	2°50	15°35	27°14	0° 2	18°18	29° 3	19°13	17°56	15°31	13°17	S 19
S 20	8 23 32	7° 4'15	27°32	21° 2	20°18	3°35	15°48	27°19	29♋59	18°20	29° 2	19°14	17°53	15°38	13°17	S 20
M21	8 27 28	8° 5'02	9♐53	22°35	21°19	4°20	16° 2	27°25	29°57	18°22	29° 0	19°15	17°50	15°45	13°18	M21
T 22	8 31 25	9° 5'47	22°34	24° 9	22°21	5° 5	16°15	27°31	29°54	18°23	28°59	19°R16	17°47	15°51	13°18	T 22
W23	8 35 22	10° 6'31	5♑37	25°44	23°22	5°50	16°29	27°37	29°52	18°25	28°58	19°14	17°44	15°58	13°19	W23
T 24	8 39 18	11° 7'14	19° 5	27°19	24°25	6°35	16°42	27°43	29°49	18°27	28°56	19°11	17°40	16° 5	13°19	T 24
F 25	8 43 15	12° 7'55	2♒57	28°55	25°27	7°20	16°56	27°49	29°46	18°29	28°55	19° 5	17°37	16°11	13°20	F 25
S 26	8 47 11	13° 8'35	17°11	0♒33	26°30	8° 5	17° 9	27°55	29°44	18°31	28°53	18°57	17°34	16°18	13°21	S 26
S 27	8 51 8	14° 9'14	1♓40	2°11	27°33	8°50	17°22	28° 1	29°41	18°33	28°52	18°47	17°31	16°25	13°21	S 27
M28	8 55 4	15° 9'51	16°17	3°50	28°37	9°35	17°36	28° 7	29°39	18°35	28°51	18°38	17°28	16°32	13°22	M28
T 29	8 59 1	16°10'26	0♈57	5°29	29°41	10°20	17°49	28°14	29°36	18°37	28°49	18°30	17°24	16°38	13°23	T 29
W30	9 2 57	17°10'59	15°31	7°10	0♑45	11° 6	18° 2	28°20	29°34	18°39	28°48	18°24	17°21	16°45	13°24	W30
T 31	9 6 54	18♒11'30	29♈54	8♒51	1♑49	11♑51	18♑15	28♓26	29♋31	18♓41	28♋47	18♊20	17♊18	16♎52	13♉25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s21	8s32	5s13	22s34	0n52	16s32	4n17	23s29	0s22	23s12	0s 9	3s51	2s21	20n40	0n37	6s 2	1s19	26n17	6n 5	23n10	23n 5	1s 3	14n 7	1s53
W 2	22 13	2 42	5 3	22 46	0 43	16 43	4 16	23 34	0 23	23 11	0 9	3 50	2 20	20 41	0 37	6 2	1 19	26 18	6 5	23 10	23 4	1 5	14 7	1 53
T 3	22 4	3n16	4 34	22 57	0 34	16 54	4 14	23 37	0 24	23 10	0 9	3 48	2 20	20 42	0 38	6 1	1 19	26 18	6 5	23 10	23 4	1 8	14 7	1 53
F 4	21 55	9 2	3 49	23 7	0 25	17 5	4 13	23 41	0 24	23 9	0 10	3 46	2 20	20 42	0 38	6 1	1 19	26 19	6 5	23 10	23 4	1 11	14 7	1 53
S 5	21 46	14 19	2 50	23 16	0 16	17 15	4 11	23 44	0 25	23 8	0 10	3 44	2 20	20 43	0 38	6 0	1 19	26 19	6 5	23 10	23 3	1 14	14 7	1 53
S 6	21 36	18 49	1 42	23 24	0 8	17 26	4 10	23 48	0 26	23 6	0 10	3 42	2 20	20 43	0 38	6 0	1 19	26 19	6 5	23 10	23 3	1 17	14 6	1 53
M 7	21 25	22 13	0 28	23 32	0s 0	17 37	4 8	23 50	0 26	23 5	0 10	3 40	2 19	20 44	0 38	5 59	1 19	26 20	6 5	23 10	23 3	1 20	14 6	1 53
T 8	21 15	24 18	0n46	23 38	0 8	17 47	4 6	23 53	0 27	23 4	0 10	3 37	2 19	20 44	0 38	5 58	1 19	26 20	6 6	23 10	23 3	1 23	14 6	1 53
W 9	21 3	24 56	1 57	23 43	0 16	17 58	4 3	23 55	0 28	23 3	0 10	3 35	2 19	20 45	0 38	5 58	1 19	26 21	6 6	23 10	23 2	1 26	14 6	1 53
T 10	20 52	24 8	3 0	23 47	0 24	18 8	4 1	23 58	0 28	23 1	0 10	3 33	2 19	20 46	0 38	5 57	1 19	26 21	6 6	23 10	23 2	1 29	14 6	1 53
F 11	20 40	22 1	3 52	23 50	0 31	18 19	3 59	23 59	0 29	23 0	0 10	3 31	2 19	20 46	0 38	5 56	1 19	26 21	6 6	23 9	23 2	1 32	14 6	1 53
S 12	20 27	18 51	4 31	23 52	0 38	18 29	3 56	24 1	0 30	22 59	0 10	3 29	2 19	20 47	0 38	5 56	1 19	26 22	6 6	23 9	23 2	1 35	14 6	1 53
S 13	20 15	14 53	4 57	23 52	0 45	18 38	3 53	24 3	0 31	22 57	0 11	3 26	2 18	20 47	0 38	5 55	1 19	26 22	6 6	23 8	23 1	1 38	14 6	1 53
M14	20 1	10 22	5 8	23 52	0 52	18 48	3 50	24 4	0 31	22 56	0 11	3 24	2 18	20 48	0 38	5 54	1 19	26 22	6 6	23 7	23 1	1 41	14 6	1 53
T 15	19 48	5 32	5 6	23 50	0 58	18 58	3 47	24 5	0 32	22 55	0 11	3 22	2 18	20 48	0 38	5 54	1 19	26 23	6 6	23 7	23 1	1 44	14 6	1 53
W16	19 34	0 33	4 50	23 46	1 5	19 7	3 44	24 5	0 33	22 53	0 11	3 20	2 18	20 49	0 38	5 53	1 19	26 23	6 6	23 6	23 0	1 47	14 6	1 53
T 17	19 20	4s26	4 21	23 42	1 11	19 16	3 41	24 6	0 33	22 52	0 11	3 17	2 18	20 50	0 38	5 52	1 18	26 24	6 6	23 6	23 0	1 50	14 6	1 53
F 18	19 5	9 16	3 42	23 36	1 16	19 24	3 38	24 6	0 34	22 50	0 11	3 15	2 18	20 50	0 38	5 52	1 18	26 24	6 6	23 6	23 0	1 53	14 6	1 53
S 19	18 50	13 47	2 52	23 28	1 22	19 33	3 34	24 6	0 35	22 49	0 11	3 12	2 17	20 51	0 38	5 51	1 18	26 24	6 6	23 6	23 0	1 56	14 6	1 53
S 20	18 35	17 50	1 55	23 19	1 27	19 41	3 31	24 5	0 35	22 47	0 11	3 10	2 17	20 51	0 38	5 50	1 18	26 25	6 6	23 6	22 59	1 58	14 6	1 53
M21	18 19	21 12	0 50	23 9	1 32	19 48	3 27	24 4	0 36	22 46	0 11	3 8	2 17	20 52	0 38	5 49	1 18	26 25	6 6	23 6	22 59	2 1	14 6	1 53
T 22	18 4	23 38	0s18	22 58	1 37	19 56	3 24	24 4	0 37	22 44	0 12	3 5	2 17	20 52	0 38	5 49	1 18	26 25	6 6	23 6	22 59	2 4	14 7	1 53
W23	17 47	24 52	1 27	22 45	1 41	20 3	3 20	24 2	0 38	22 43	0 12	3 3	2 17	20 53	0 38	5 48	1 18	26 26	6 7	23 6	22 58	2 7	14 7	1 53
T 24	17 31	24 42	2 33	22 30	1 45	20 9	3 16	24 1	0 38	22 41	0 12	3 0	2 17	20 53	0 38	5 47	1 18	26 26	6 7	23 6	22 58	2 10	14 7	1 53
F 25	17 14	23 1	3 32	22 14	1 49	20 16	3 12	23 59	0 39	22 40	0 12	2 57	2 16	20 54	0 38	5 46	1 18	26 26	6 7	23 6	22 58	2 13	14 7	1 53
S 26	16 57	19 52	4 20	21 57	1 52	20 21	3 8	23 57	0 40	22 38	0 12	2 55	2 16	20 55	0 38	5 46	1 18	26 27	6 7	23 5	22 58	2 16	14 7	1 52
S 27	16 39	15 28	4 51	21 38	1 55	20 27	3 4	23 55	0 40	22 37	0 12	2 52	2 16	20 55	0 38	5 45	1 18	26 27	6 7	23 4	22 57	2 19	14 8	1 52
M28	16 21	10 6	5 5	21 17	1 58	20 32	3 0	23 53	0 41	22 35	0 12	2 50	2 16	20 56	0 38	5 44	1 18	26 27	6 7	23 3	22 57	2 22	14 8	1 52
T 29	16 3	4 10	4 58	20 55	2 0	20 36	2 56	23 50	0 42	22 33	0 12	2 47	2 16	20 56	0 38	5 43	1 18	26 28	6 7	23 3	22 57	2 25	14 8	1 52
W30	15 45	1n57	4 32	20 31	2 2	20 40	2 52	23 47	0 43	22 32	0 12	2 44	2 16	20 57	0 38	5 42	1 18	26 28	6 7	23 2	22 56	2 28	14 9	1 52
T 31	15s27	7n55	3s49	20s 6	2s 3	20s44	2n48	23s44	0s43	22s30	0s13	2s42	2s16	20n57	0n38	5s42	1s18	26n28	6n 7	23n 2	22n56	2s31	14n 9	1s52

Julian Day Number = 2160088.5, Delta T = 13m17s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'47, Lahiri = 12°43'48 Julian Calendar 1 Jan. 1202 == Greg. Calendar 8 Jan. 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

FEBRUARY 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 10 51	19♒12'00	14♉ 4	10♒34	2♑53	12♑36	18♑28	28♓33	29°R29	18♓43	28°R46	18°D19	17♊15	16♎58	13♉26	F 1
S 2	9 14 47	20°12'27	27°58	12°17	3°58	13°22	18°41	28°39	29♋27	18°45	28♋44	18♊19	17°12	17° 5	13°28	S 2
S 3	9 18 44	21°12'53	11♊39	14° 2	5° 3	14° 7	18°54	28°46	29°24	18°47	28°43	18°R19	17° 9	17°12	13°29	S 3
M 4	9 22 40	22°13'17	25° 5	15°47	6° 8	14°52	19° 7	28°52	29°22	18°49	28°42	18°19	17° 5	17°18	13°30	M 4
T 5	9 26 37	23°13'39	8♋19	17°33	7°14	15°38	19°20	28°59	29°19	18°51	28°40	18°17	17° 2	17°25	13°31	T 5
W 6	9 30 33	24°13'58	21°22	19°20	8°19	16°23	19°33	29° 6	29°17	18°53	28°39	18°13	16°59	17°32	13°33	W 6
T 7	9 34 30	25°14'16	4♌14	21° 9	9°25	17° 8	19°46	29°12	29°15	18°55	28°38	18° 6	16°56	17°39	13°34	T 7
F 8	9 38 26	26°14'32	16°55	22°58	10°31	17°54	19°58	29°19	29°13	18°58	28°37	17°56	16°53	17°45	13°36	F 8
S 9	9 42 23	27°14'46	29°26	24°48	11°37	18°39	20°11	29°26	29°10	19° 0	28°36	17°44	16°49	17°52	13°38	S 9
S 10	9 46 20	28°14'58	11♍46	26°39	12°44	19°25	20°23	29°33	29° 8	19° 2	28°34	17°31	16°46	17°59	13°39	S 10
M11	9 50 16	29°15'09	23°56	28°31	13°50	20°10	20°36	29°40	29° 6	19° 4	28°33	17°17	16°43	18° 5	13°41	M11
T 12	9 54 13	0♓15'17	5♎57	0♓24	14°57	20°56	20°48	29°47	29° 4	19° 6	28°32	17° 6	16°40	18°12	13°43	T 12
W13	9 58 9	1°15'24	17°52	2°18	16° 4	21°41	21° 1	29°54	29° 2	19° 8	28°31	16°56	16°37	18°19	13°45	W13
T 14	10 2 6	2°15'29	29°42	4°13	17°11	22°27	21°13	0♈ 1	29° 0	19°11	28°30	16°49	16°34	18°25	13°46	T 14
F 15	10 6 2	3°15'33	11♏32	6° 9	18°18	23°13	21°25	0° 8	28°58	19°13	28°29	16°44	16°30	18°32	13°48	F 15
S 16	10 9 59	4°15'35	23°26	8° 5	19°26	23°58	21°37	0°15	28°56	19°15	28°28	16°42	16°27	18°39	13°50	S 16
S 17	10 13 55	5°15'35	5♐29	10° 1	20°33	24°44	21°49	0°22	28°54	19°17	28°26	16°D42	16°24	18°46	13°53	S 17
M18	10 17 52	6°15'34	17°47	11°59	21°41	25°30	22° 1	0°29	28°52	19°19	28°25	16°R42	16°21	18°52	13°55	M18
T 19	10 21 49	7°15'31	0♑25	13°56	22°49	26°15	22°13	0°36	28°50	19°22	28°24	16°41	16°18	18°59	13°57	T 19
W20	10 25 45	8°15'26	13°27	15°53	23°57	27° 1	22°25	0°43	28°48	19°24	28°23	16°39	16°15	19° 6	13°59	W20
T 21	10 29 42	9°15'20	26°58	17°51	25° 5	27°47	22°37	0°51	28°46	19°26	28°22	16°34	16°11	19°12	14° 1	T 21
F 22	10 33 38	10°15'12	10♒57	19°48	26°13	28°33	22°49	0°58	28°44	19°28	28°21	16°27	16° 8	19°19	14° 4	F 22
S 23	10 37 35	11°15'02	25°23	21°44	27°22	29°18	23° 0	1° 5	28°43	19°31	28°20	16°17	16° 5	19°26	14° 6	S 23
S 24	10 41 31	12°14'49	10♓11	23°39	28°30	0♒ 4	23°12	1°13	28°41	19°33	28°19	16° 5	16° 2	19°33	14° 9	S 24
M25	10 45 28	13°14'35	25°12	25°33	29°39	0°50	23°23	1°20	28°39	19°35	28°18	15°53	15°59	19°39	14°11	M25
T 26	10 49 24	14°14'19	10♈16	27°25	0♒48	1°36	23°35	1°27	28°38	19°37	28°18	15°43	15°55	19°46	14°14	T 26
W27	10 53 21	15°14'01	25°14	29°14	1°56	2°22	23°46	1°35	28°36	19°40	28°17	15°34	15°52	19°53	14°16	W27
T 28	10 57 18	16♓13'40	9♉57	1♈ 1	3♒ 5	3♒ 8	23♑57	1♈42	28♋34	19♓42	28♋16	15♊29	15♊49	19♎59	14♉19	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 8	13n23	2s52	19s40	2s 4	20s47	2n44	23s40	0s44	22s28	0s13	2s39	2s15	20n58	0n38	5s41	1s18	26n28	6n 7	23n 2	22n56	2s34	14n 9	1s52
S 2	14 49	18 4	1 46	19 11	2 5	20 50	2 39	23 37	0 45	22 27	0 13	2 36	2 15	20 58	0 38	5 40	1 18	26 29	6 7	23 2	22 55	2 37	14 10	1 52
S 3	14 29	21 41	0 36	18 41	2 5	20 52	2 35	23 33	0 45	22 25	0 13	2 34	2 15	20 59	0 38	5 39	1 18	26 29	6 7	23 2	22 55	2 40	14 10	1 52
M 4	14 10	24 3	0n36	18 10	2 5	20 54	2 30	23 28	0 46	22 23	0 13	2 31	2 15	20 59	0 38	5 38	1 18	26 29	6 7	23 2	22 55	2 43	14 11	1 52
T 5	13 50	25 1	1 44	17 37	2 5	20 55	2 26	23 24	0 47	22 22	0 13	2 28	2 15	21 0	0 38	5 38	1 18	26 30	6 7	23 1	22 55	2 46	14 11	1 52
W 6	13 30	24 34	2 46	17 3	2 4	20 56	2 22	23 19	0 47	22 20	0 13	2 25	2 15	21 0	0 38	5 37	1 18	26 30	6 7	23 1	22 54	2 49	14 11	1 52
T 7	13 10	22 49	3 38	16 26	2 2	20 56	2 17	23 14	0 48	22 18	0 13	2 23	2 15	21 1	0 38	5 36	1 18	26 30	6 7	23 0	22 54	2 52	14 12	1 52
F 8	12 49	19 56	4 19	15 49	2 0	20 55	2 13	23 9	0 49	22 16	0 14	2 20	2 15	21 1	0 38	5 35	1 18	26 30	6 7	23 0	22 54	2 55	14 12	1 52
S 9	12 29	16 11	4 46	15 10	1 58	20 54	2 8	23 3	0 50	22 15	0 14	2 17	2 15	21 2	0 38	5 34	1 18	26 31	6 7	22 58	22 53	2 58	14 13	1 52
S 10	12 8	11 47	5 0	14 29	1 55	20 53	2 4	22 58	0 50	22 13	0 14	2 14	2 14	21 2	0 38	5 33	1 18	26 31	6 7	22 57	22 53	3 1	14 14	1 52
M11	11 47	6 59	4 59	13 46	1 51	20 51	1 59	22 52	0 51	22 11	0 14	2 11	2 14	21 2	0 38	5 32	1 18	26 31	6 7	22 56	22 53	3 4	14 14	1 52
T 12	11 26	1 59	4 45	13 3	1 47	20 48	1 54	22 45	0 52	22 9	0 14	2 8	2 14	21 3	0 38	5 32	1 18	26 31	6 7	22 55	22 52	3 7	14 15	1 52
W13	11 4	3s 3	4 19	12 17	1 42	20 45	1 50	22 39	0 52	22 8	0 14	2 6	2 14	21 3	0 38	5 31	1 18	26 32	6 7	22 54	22 52	3 10	14 15	1 52
T 14	10 43	7 57	3 42	11 31	1 37	20 42	1 45	22 32	0 53	22 6	0 14	2 3	2 14	21 4	0 38	5 30	1 18	26 32	6 7	22 53	22 52	3 13	14 16	1 52
F 15	10 21	12 35	2 55	10 43	1 31	20 37	1 41	22 25	0 54	22 4	0 14	2 0	2 14	21 4	0 38	5 29	1 18	26 32	6 7	22 53	22 51	3 16	14 16	1 52
S 16	9 59	16 46	2 0	9 53	1 25	20 33	1 36	22 18	0 54	22 2	0 15	1 57	2 14	21 4	0 37	5 28	1 18	26 32	6 7	22 53	22 51	3 18	14 17	1 52
S 17	9 37	20 21	0 59	9 3	1 18	20 27	1 32	22 10	0 55	22 0	0 15	1 54	2 14	21 5	0 37	5 27	1 18	26 32	6 7	22 53	22 51	3 21	14 18	1 52
M18	9 15	23 4	0s 6	8 11	1 10	20 21	1 27	22 3	0 56	21 59	0 15	1 51	2 14	21 5	0 37	5 26	1 18	26 33	6 7	22 53	22 50	3 24	14 18	1 52
T 19	8 53	24 45	1 12	7 18	1 2	20 15	1 23	21 55	0 56	21 57	0 15	1 48	2 14	21 6	0 37	5 26	1 18	26 33	6 7	22 52	22 50	3 27	14 19	1 52
W20	8 31	25 7	2 16	6 25	0 53	20 8	1 18	21 47	0 57	21 55	0 15	1 45	2 14	21 6	0 37	5 25	1 18	26 33	6 7	22 52	22 50	3 30	14 20	1 52
T 21	8 8	24 3	3 16	5 30	0 44	20 0	1 13	21 38	0 58	21 53	0 15	1 42	2 14	21 6	0 37	5 24	1 18	26 33	6 7	22 52	22 49	3 33	14 20	1 52
F 22	7 45	21 29	4 5	4 35	0 34	19 52	1 9	21 30	0 58	21 51	0 15	1 39	2 14	21 7	0 37	5 23	1 18	26 33	6 6	22 51	22 49	3 36	14 21	1 52
S 23	7 23	17 31	4 41	3 39	0 24	19 43	1 4	21 21	0 59	21 50	0 15	1 36	2 13	21 7	0 37	5 22	1 18	26 34	6 6	22 50	22 49	3 39	14 22	1 52
S 24	7 0	12 23	4 59	2 44	0 13	19 34	1 0	21 12	1 0	21 48	0 16	1 33	2 13	21 7	0 37	5 21	1 18	26 34	6 6	22 49	22 48	3 42	14 23	1 52
M25	6 37	6 27	4 56	1 48	0 1	19 24	0 56	21 2	1 0	21 46	0 16	1 30	2 13	21 8	0 37	5 20	1 18	26 34	6 6	22 48	22 48	3 45	14 23	1 52
T 26	6 14	0 6	4 33	0 53	0n10	19 14	0 51	20 53	1 1	21 44	0 16	1 27	2 13	21 8	0 37	5 19	1 18	26 34	6 6	22 46	22 48	3 48	14 24	1 52
W27	5 51	6n12	3 52	0n 2	0 23	19 3	0 47	20 43	1 2	21 42	0 16	1 24	2 13	21 8	0 37	5 18	1 18	26 34	6 6	22 46	22 47	3 51	14 25	1 52
T 28	5s27	12n 5	2s55	0n56	0n35	18s52	0n42	20s33	1s 2	21s41	0s16	1s21	2s13	21n 9	0n37	5s18	1s18	26n34	6n 6	22n45	22n47	3s54	14n26	1s52

Julian Day Number = 2160119.5, Delta T = 13m17s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'52, Lahiri = 12°43'52 Julian Calendar 1 Feb. 1202 == Greg. Calendar 8 Feb. 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

MARCH 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 1 14	17♓13'17	24♉21	2♈45	4♒14	3♒53	24♑ 8	1♈50	28°R33	19♓44	28°R15	15°R26	15♊46	20♎ 6	14♉22	F 1
S 2	11 5 11	18°12'52	8♊22	4°25	5°24	4°39	24°19	1°57	28♋32	19°46	28♋14	15♊25	15°43	20°13	14°25	S 2
S 3	11 9 7	19°12'24	22° 2	6° 1	6°33	5°25	24°30	2° 5	28°30	19°49	28°13	15°25	15°40	20°19	14°27	S 3
M 4	11 13 4	20°11'54	5♋21	7°33	7°42	6°11	24°41	2°12	28°29	19°51	28°13	15°24	15°36	20°26	14°30	M 4
T 5	11 17 0	21°11'22	18°23	9° 0	8°51	6°57	24°51	2°20	28°28	19°53	28°12	15°22	15°33	20°33	14°33	T 5
W 6	11 20 57	22°10'47	1♌10	10°21	10° 1	7°43	25° 2	2°27	28°26	19°56	28°11	15°17	15°30	20°39	14°36	W 6
T 7	11 24 53	23°10'10	13°45	11°37	11°10	8°29	25°12	2°35	28°25	19°58	28°10	15°10	15°27	20°46	14°39	T 7
F 8	11 28 50	24° 9'31	26° 9	12°46	12°20	9°15	25°23	2°42	28°24	20° 0	28°10	14°59	15°24	20°53	14°42	F 8
S 9	11 32 47	25° 8'49	8♍25	13°49	13°30	10° 1	25°33	2°50	28°23	20° 2	28° 9	14°46	15°21	21° 0	14°45	S 9
S 10	11 36 43	26° 8'05	20°33	14°46	14°39	10°47	25°43	2°57	28°22	20° 5	28° 8	14°33	15°17	21° 6	14°49	S 10
M11	11 40 40	27° 7'20	2♎35	15°36	15°49	11°33	25°53	3° 5	28°21	20° 7	28° 8	14°19	15°14	21°13	14°52	M11
T 12	11 44 36	28° 6'32	14°30	16°19	16°59	12°19	26° 3	3°12	28°20	20° 9	28° 7	14° 6	15°11	21°20	14°55	T 12
W13	11 48 33	29° 5'42	26°22	16°55	18° 9	13° 4	26°13	3°20	28°19	20°11	28° 7	13°56	15° 8	21°26	14°58	W13
T 14	11 52 29	0♈ 4'50	8♏11	17°23	19°19	13°50	26°23	3°28	28°18	20°14	28° 6	13°48	15° 5	21°33	15° 2	T 14
F 15	11 56 26	1° 3'56	20° 1	17°45	20°30	14°36	26°32	3°35	28°17	20°16	28° 5	13°43	15° 1	21°40	15° 5	F 15
S 16	12 0 22	2° 3'00	1♐55	17°59	21°40	15°22	26°42	3°43	28°16	20°18	28° 5	13°40	14°58	21°46	15° 8	S 16
S 17	12 4 19	3° 2'03	13°58	18° 6	22°50	16° 8	26°51	3°50	28°16	20°20	28° 4	13°D39	14°55	21°53	15°12	S 17
M18	12 8 15	4° 1'04	26°14	18°R 6	24° 0	16°54	27° 1	3°58	28°15	20°23	28° 4	13°40	14°52	22° 0	15°15	M18
T 19	12 12 12	5° 0'03	8♑49	18° 0	25°11	17°40	27°10	4° 6	28°14	20°25	28° 4	13°R40	14°49	22° 7	15°19	T 19
W20	12 16 9	5°59'00	21°47	17°47	26°21	18°26	27°19	4°13	28°14	20°27	28° 3	13°39	14°46	22°13	15°22	W20
T 21	12 20 5	6°57'55	5♒12	17°28	27°32	19°12	27°28	4°21	28°13	20°29	28° 3	13°36	14°42	22°20	15°26	T 21
F 22	12 24 2	7°56'49	19° 7	17° 3	28°42	19°58	27°36	4°28	28°13	20°31	28° 2	13°30	14°39	22°27	15°30	F 22
S 23	12 27 58	8°55'41	3♓31	16°34	29°53	20°44	27°45	4°36	28°13	20°34	28° 2	13°22	14°36	22°33	15°33	S 23
S 24	12 31 55	9°54'30	18°21	16° 0	1♓ 4	21°30	27°54	4°44	28°12	20°36	28° 2	13°13	14°33	22°40	15°37	S 24
M25	12 35 51	10°53'18	3♈29	15°23	2°15	22°16	28° 2	4°51	28°12	20°38	28° 2	13° 3	14°30	22°47	15°41	M25
T 26	12 39 48	11°52'04	18°46	14°43	3°25	23° 2	28°10	4°59	28°12	20°40	28° 1	12°55	14°26	22°53	15°44	T 26
W27	12 43 44	12°50'48	3♉59	14° 0	4°36	23°48	28°18	5° 6	28°12	20°42	28° 1	12°48	14°23	23° 0	15°48	W27
T 28	12 47 41	13°49'30	19° 0	13°17	5°47	24°34	28°26	5°14	28°11	20°44	28° 1	12°43	14°20	23° 7	15°52	T 28
F 29	12 51 38	14°48'10	3♊39	12°33	6°58	25°20	28°34	5°22	28°11	20°47	28° 1	12°41	14°17	23°13	15°56	F 29
S 30	12 55 34	15°46'47	17°54	11°49	8° 9	26° 6	28°42	5°29	28°D11	20°49	28° 1	12°D41	14°14	23°20	16° 0	S 30
S 31	12 59 31	16♈45'23	1♋43	11♈ 7	9♓20	26♒52	28♑49	5♈37	28♋11	20♓51	28♋ 1	12♊42	14♊11	23♎27	16♉ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s 4	17n11	1s49	1n50	0n48	18s40	0n38	20s23	1s 3	21s39	0s16	1s18	2s13	21n 9	0n37	5s17	1s18	26n34	6n 6	22n45	22n47	3s57	14n27	1s52
S 2	4 41	21 11	0 37	2 41	1 0	18 27	0 34	20 13	1 4	21 37	0 16	1 15	2 13	21 9	0 37	5 16	1 18	26 35	6 6	22 44	22 46	4 0	14 27	1 52
S 3	4 17	23 53	0n35	3 31	1 13	18 14	0 30	20 2	1 4	21 35	0 17	1 12	2 13	21 9	0 37	5 15	1 18	26 35	6 6	22 44	22 46	4 3	14 28	1 52
M 4	3 54	25 9	1 43	4 19	1 26	18 1	0 25	19 51	1 5	21 33	0 17	1 9	2 13	21 10	0 37	5 14	1 18	26 35	6 6	22 44	22 46	4 6	14 29	1 52
T 5	3 30	25 0	2 45	5 5	1 38	17 47	0 21	19 40	1 6	21 32	0 17	1 6	2 13	21 10	0 37	5 13	1 18	26 35	6 6	22 44	22 45	4 9	14 30	1 52
W 6	3 7	23 30	3 36	5 49	1 51	17 32	0 17	19 29	1 6	21 30	0 17	1 3	2 13	21 10	0 37	5 12	1 18	26 35	6 6	22 44	22 45	4 12	14 31	1 51
T 7	2 43	20 52	4 17	6 29	2 2	17 17	0 13	19 18	1 7	21 28	0 17	1 0	2 13	21 10	0 37	5 11	1 18	26 35	6 6	22 43	22 45	4 15	14 32	1 51
F 8	2 20	17 18	4 44	7 7	2 14	17 2	0 9	19 6	1 7	21 26	0 17	0 57	2 13	21 11	0 37	5 10	1 18	26 35	6 6	22 42	22 44	4 18	14 33	1 51
S 9	1 56	13 3	4 58	7 42	2 25	16 46	0 5	18 54	1 8	21 25	0 17	0 54	2 13	21 11	0 37	5 10	1 18	26 35	6 6	22 40	22 44	4 21	14 34	1 51
S 10	1 33	8 19	4 58	8 13	2 35	16 29	0 1	18 42	1 9	21 23	0 18	0 51	2 13	21 11	0 37	5 9	1 18	26 35	6 6	22 39	22 44	4 24	14 34	1 51
M11	1 9	3 20	4 45	8 41	2 44	16 12	0s 3	18 30	1 9	21 21	0 18	0 48	2 13	21 11	0 37	5 8	1 18	26 35	6 6	22 37	22 43	4 27	14 35	1 51
T 12	0 45	1s45	4 20	9 6	2 53	15 55	0 7	18 18	1 10	21 19	0 18	0 45	2 13	21 11	0 37	5 7	1 18	26 35	6 5	22 36	22 43	4 30	14 36	1 51
W13	0 22	6 45	3 43	9 26	3 0	15 37	0 10	18 5	1 11	21 18	0 18	0 42	2 13	21 12	0 37	5 6	1 18	26 35	6 5	22 34	22 43	4 33	14 37	1 51
T 14	0n 2	11 31	2 56	9 43	3 6	15 19	0 14	17 53	1 11	21 16	0 18	0 39	2 13	21 12	0 37	5 5	1 18	26 35	6 5	22 33	22 42	4 36	14 38	1 51
F 15	0 26	15 52	2 2	9 56	3 12	15 0	0 18	17 40	1 12	21 14	0 18	0 36	2 13	21 12	0 37	5 4	1 18	26 35	6 5	22 33	22 42	4 39	14 39	1 51
S 16	0 49	19 38	1 2	10 5	3 15	14 41	0 21	17 27	1 12	21 13	0 19	0 33	2 13	21 12	0 37	5 3	1 18	26 36	6 5	22 32	22 42	4 42	14 40	1 51
S 17	1 13	22 36	0s 2	10 11	3 18	14 21	0 25	17 14	1 13	21 11	0 19	0 30	2 13	21 12	0 37	5 2	1 18	26 36	6 5	22 32	22 41	4 45	14 41	1 51
M18	1 36	24 36	1 6	10 12	3 19	14 1	0 28	17 0	1 13	21 9	0 19	0 27	2 13	21 12	0 37	5 2	1 18	26 36	6 5	22 32	22 41	4 48	14 42	1 51
T 19	2 0	25 24	2 10	10 9	3 19	13 41	0 32	16 47	1 14	21 8	0 19	0 24	2 13	21 12	0 37	5 1	1 18	26 36	6 5	22 32	22 40	4 51	14 43	1 51
W20	2 23	24 52	3 8	10 2	3 17	13 20	0 35	16 33	1 15	21 6	0 19	0 21	2 13	21 12	0 37	5 0	1 18	26 36	6 5	22 32	22 40	4 54	14 44	1 52
T 21	2 47	22 54	3 59	9 52	3 14	12 59	0 38	16 19	1 15	21 5	0 19	0 18	2 13	21 12	0 37	4 59	1 18	26 36	6 5	22 32	22 40	4 57	14 45	1 52
F 22	3 10	19 32	4 37	9 38	3 9	12 37	0 42	16 5	1 16	21 3	0 20	0 15	2 13	21 13	0 37	4 58	1 18	26 36	6 5	22 31	22 39	5 0	14 46	1 52
S 23	3 33	14 54	4 59	9 20	3 2	12 16	0 45	15 51	1 16	21 1	0 20	0 12	2 13	21 13	0 37	4 57	1 18	26 36	6 5	22 30	22 39	5 3	14 47	1 52
S 24	3 56	9 15	5 2	9 0	2 54	11 53	0 48	15 37	1 17	21 0	0 20	0 9	2 13	21 13	0 37	4 57	1 18	26 36	6 5	22 29	22 39	5 6	14 48	1 52
M25	4 20	2 57	4 45	8 36	2 44	11 31	0 51	15 22	1 17	20 58	0 20	0 6	2 13	21 13	0 37	4 56	1 18	26 35	6 4	22 28	22 38	5 9	14 49	1 52
T 26	4 43	3n35	4 7	8 11	2 33	11 8	0 54	15 7	1 18	20 57	0 20	0 3	2 13	21 13	0 37	4 55	1 18	26 35	6 4	22 27	22 38	5 12	14 51	1 52
W27	5 6	9 54	3 11	7 43	2 21	10 44	0 57	14 53	1 19	20 55	0 20	0n 0	2 13	21 13	0 37	4 54	1 18	26 35	6 4	22 26	22 38	5 14	14 52	1 52
T 28	5 29	15 34	2 3	7 13	2 8	10 21	0 59	14 38	1 19	20 54	0 21	0 3	2 13	21 13	0 37	4 53	1 18	26 35	6 4	22 25	22 37	5 17	14 53	1 52
F 29	5 51	20 11	0 48	6 43	1 53	9 57	1 2	14 23	1 20	20 52	0 21	0 6	2 13	21 13	0 37	4 52	1 18	26 35	6 4	22 25	22 37	5 20	14 54	1 52
S 30	6 14	23 27	0n28	6 12	1 38	9 33	1 5	14 8	1 20	20 51	0 21	0 9	2 13	21 13	0 37	4 52	1 19	26 35	6 4	22 25	22 36	5 23	14 55	1 52
S 31	6n37	25n12	1n40	5n41	1n22	9s 8	1s 7	13s52	1s21	20s50	0s21	0n12	2s13	21n13	0n37	4s51	1s19	26n35	6n 4	22n25	22n36	5s26	14n56	1s52

Julian Day Number = 2160147.5, Delta T = 13m17s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°36'55, Lahiri = 12°43'56 Julian Calendar 1 March 1202 == Greg. Calendar 8 March 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

APRIL 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 3 27	17♈43'56	15♋ 6	10°R27	10♓31	27♒38	28♉57	5♈44	28♋12	20♓53	28°R 0	12°R42	14♊ 7	23♎34	16♉ 7	M 1
T 2	13 7 24	18°42'26	28° 7	9♈49	11°42	28°24	29° 4	5°52	28°12	20°55	28♋ 0	12♊42	14° 4	23°40	16°11	T 2
W 3	13 11 20	19°40'55	10♌49	9°14	12°53	29°10	29°11	5°59	28°12	20°57	28°D 0	12°40	14° 1	23°47	16°15	W 3
T 4	13 15 17	20°39'21	23°15	8°43	14° 4	29°56	29°18	6° 7	28°12	20°59	28° 0	12°35	13°58	23°54	16°19	T 4
F 5	13 19 13	21°37'45	5♍30	8°16	15°16	0♓42	29°25	6°14	28°12	21° 1	28° 0	12°29	13°55	24° 0	16°23	F 5
S 6	13 23 10	22°36'07	17°35	7°53	16°27	1°28	29°32	6°21	28°13	21° 3	28° 1	12°20	13°52	24° 7	16°27	S 6
S 7	13 27 7	23°34'27	29°34	7°35	17°38	2°13	29°38	6°29	28°13	21° 5	28° 1	12°11	13°48	24°14	16°31	S 7
M 8	13 31 3	24°32'45	11♎29	7°22	18°49	2°59	29°45	6°36	28°14	21° 7	28° 1	12° 2	13°45	24°20	16°36	M 8
T 9	13 35 0	25°31'01	23°20	7°14	20° 1	3°45	29°51	6°44	28°14	21° 9	28° 1	11°53	13°42	24°27	16°40	T 9
W10	13 38 56	26°29'16	5♏10	7°D10	21°12	4°31	29°57	6°51	28°15	21°11	28° 1	11°46	13°39	24°34	16°44	W10
T 11	13 42 53	27°27'28	17° 1	7°11	22°23	5°17	0♒ 3	6°58	28°15	21°13	28° 1	11°42	13°36	24°40	16°48	T 11
F 12	13 46 49	28°25'39	28°55	7°18	23°35	6° 3	0° 9	7° 6	28°16	21°15	28° 1	11°39	13°32	24°47	16°52	F 12
S 13	13 50 46	29°23'48	10♐54	7°29	24°46	6°48	0°14	7°13	28°17	21°17	28° 2	11°D38	13°29	24°54	16°56	S 13
S 14	13 54 42	0♑21'56	23° 2	7°44	25°58	7°34	0°20	7°20	28°18	21°18	28° 2	11°38	13°26	25° 1	17° 0	S 14
M15	13 58 39	1°20'02	5♉22	8° 5	27° 9	8°20	0°25	7°27	28°19	21°20	28° 2	11°40	13°23	25° 7	17° 5	M15
T 16	14 2 36	2°18'07	17°58	8°29	28°21	9° 5	0°30	7°34	28°19	21°22	28° 3	11°41	13°20	25°14	17° 9	T 16
W17	14 6 32	3°16'10	0♒54	8°58	29°33	9°51	0°35	7°42	28°20	21°24	28° 3	11°R42	13°17	25°21	17°13	W17
T 18	14 10 29	4°14'12	14°14	9°31	0♈44	10°37	0°40	7°49	28°21	21°26	28° 3	11°42	13°13	25°27	17°17	T 18
F 19	14 14 25	5°12'13	28° 1	10° 8	1°56	11°22	0°44	7°56	28°22	21°28	28° 4	11°40	13°10	25°34	17°22	F 19
S 20	14 18 22	6°10'12	12♓15	10°49	3° 8	12° 8	0°49	8° 3	28°24	21°29	28° 4	11°36	13° 7	25°41	17°26	S 20
S 21	14 22 18	7° 8'10	26°54	11°34	4°19	12°54	0°53	8°10	28°25	21°31	28° 5	11°32	13° 4	25°47	17°30	S 21
M22	14 26 15	8° 6'06	11♈52	12°22	5°31	13°39	0°57	8°17	28°26	21°33	28° 5	11°27	13° 1	25°54	17°35	M22
T 23	14 30 11	9° 4'01	27° 3	13°13	6°43	14°25	1° 1	8°24	28°27	21°34	28° 6	11°22	12°58	26° 1	17°39	T 23
W24	14 34 8	10° 1'54	12♉16	14° 8	7°55	15°10	1° 5	8°31	28°28	21°36	28° 6	11°19	12°54	26° 7	17°43	W24
T 25	14 38 4	10°59'46	27°21	15° 6	9° 6	15°56	1° 8	8°37	28°30	21°38	28° 7	11°17	12°51	26°14	17°48	T 25
F 26	14 42 1	11°57'37	12♊ 9	16° 7	10°18	16°41	1°12	8°44	28°31	21°39	28° 7	11°D16	12°48	26°21	17°52	F 26
S 27	14 45 58	12°55'26	26°34	17°11	11°30	17°27	1°15	8°51	28°33	21°41	28° 8	11°17	12°45	26°27	17°56	S 27
S 28	14 49 54	13°53'13	10♋32	18°18	12°42	18°12	1°18	8°58	28°34	21°42	28° 8	11°18	12°42	26°34	18° 1	S 28
M29	14 53 51	14°50'58	24° 4	19°28	13°54	18°57	1°21	9° 4	28°36	21°44	28° 9	11°20	12°38	26°41	18° 5	M29
T 30	14 57 47	15♉48'42	7♌11	20♈40	15♈ 6	19♓43	1♒23	9♈11	28♋37	21♓46	28♋10	11♊21	12♊35	26♎48	18♉ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n59	25n25	2n45	5n10	1n 6	8s44	1s10	13s37	1s21	20s48	0s21	0n15	2s13	21n13	0n37	4s50	1s19	26n35	6n 4	22n25	22n36	5s29	14n57	1s52
T 2	7 22	24 12	3 39	4 39	0 49	8 19	1 12	13 21	1 22	20 47	0 21	0 18	2 14	21 13	0 37	4 49	1 19	26 35	6 4	22 25	22 35	5 32	14 58	1 52
W 3	7 44	21 46	4 21	4 10	0 32	7 54	1 14	13 6	1 22	20 46	0 22	0 21	2 14	21 12	0 36	4 48	1 19	26 35	6 4	22 25	22 35	5 35	14 59	1 52
T 4	8 6	18 22	4 49	3 43	0 16	7 28	1 17	12 50	1 23	20 44	0 22	0 24	2 14	21 12	0 36	4 48	1 19	26 35	6 4	22 24	22 35	5 38	15 0	1 52
F 5	8 28	14 14	5 4	3 17	0s 1	7 2	1 19	12 34	1 23	20 43	0 22	0 26	2 14	21 12	0 36	4 47	1 19	26 35	6 3	22 23	22 34	5 41	15 2	1 52
S 6	8 50	9 36	5 5	2 53	0 17	6 37	1 21	12 18	1 24	20 42	0 22	0 29	2 14	21 12	0 36	4 46	1 19	26 35	6 3	22 22	22 34	5 44	15 3	1 52
S 7	9 12	4 38	4 53	2 31	0 33	6 11	1 23	12 2	1 24	20 41	0 22	0 32	2 14	21 12	0 36	4 45	1 19	26 35	6 3	22 21	22 33	5 47	15 4	1 52
M 8	9 33	0s27	4 27	2 12	0 48	5 44	1 25	11 46	1 24	20 40	0 22	0 35	2 14	21 12	0 36	4 45	1 19	26 34	6 3	22 20	22 33	5 50	15 5	1 52
T 9	9 55	5 32	3 51	1 55	1 3	5 18	1 26	11 30	1 25	20 38	0 23	0 38	2 14	21 12	0 36	4 44	1 19	26 34	6 3	22 19	22 33	5 53	15 6	1 52
W10	10 16	10 25	3 4	1 41	1 17	4 51	1 28	11 13	1 25	20 37	0 23	0 41	2 14	21 12	0 36	4 43	1 19	26 34	6 3	22 18	22 32	5 56	15 7	1 52
T 11	10 37	14 56	2 9	1 30	1 30	4 24	1 30	10 57	1 26	20 36	0 23	0 44	2 14	21 12	0 36	4 42	1 19	26 34	6 3	22 17	22 32	5 59	15 8	1 52
F 12	10 58	18 53	1 8	1 21	1 42	3 57	1 31	10 40	1 26	20 35	0 23	0 46	2 14	21 11	0 36	4 42	1 19	26 34	6 3	22 17	22 31	6 2	15 9	1 52
S 13	11 18	22 7	0 4	1 14	1 54	3 30	1 33	10 23	1 27	20 34	0 23	0 49	2 14	21 11	0 36	4 41	1 19	26 34	6 3	22 17	22 31	6 5	15 11	1 52
S 14	11 39	24 23	1s 2	1 11	2 4	3 3	1 34	10 7	1 27	20 33	0 24	0 52	2 14	21 11	0 36	4 40	1 19	26 34	6 3	22 17	22 31	6 8	15 12	1 52
M15	11 59	25 31	2 5	1 10	2 14	2 36	1 36	9 50	1 27	20 32	0 24	0 55	2 15	21 11	0 36	4 39	1 19	26 33	6 3	22 17	22 30	6 11	15 13	1 52
T 16	12 19	25 23	3 5	1 11	2 23	2 8	1 37	9 33	1 28	20 31	0 24	0 57	2 15	21 11	0 36	4 39	1 19	26 33	6 2	22 17	22 30	6 14	15 14	1 52
W17	12 39	23 53	3 56	1 15	2 32	1 41	1 38	9 16	1 28	20 30	0 24	1 0	2 15	21 10	0 36	4 38	1 19	26 33	6 2	22 17	22 30	6 17	15 15	1 52
T 18	12 59	21 2	4 37	1 21	2 39	1 13	1 39	8 59	1 29	20 30	0 24	1 3	2 15	21 10	0 36	4 37	1 19	26 33	6 2	22 17	22 29	6 20	15 16	1 52
F 19	13 19	16 56	5 3	1 30	2 46	0 45	1 40	8 42	1 29	20 29	0 25	1 6	2 15	21 10	0 36	4 37	1 19	26 33	6 2	22 17	22 29	6 23	15 17	1 53
S 20	13 38	11 47	5 11	1 40	2 51	0 18	1 41	8 25	1 29	20 28	0 25	1 8	2 15	21 10	0 36	4 36	1 19	26 33	6 2	22 16	22 28	6 26	15 19	1 53
S 21	13 57	5 50	5 0	1 53	2 56	0n10	1 42	8 8	1 30	20 27	0 25	1 11	2 15	21 9	0 36	4 35	1 19	26 32	6 2	22 16	22 28	6 29	15 20	1 53
M22	14 16	0n35	4 29	2 8	3 1	0 38	1 42	7 50	1 30	20 27	0 25	1 14	2 15	21 9	0 36	4 35	1 19	26 32	6 2	22 15	22 28	6 32	15 21	1 53
T 23	14 35	7 4	3 38	2 25	3 4	1 6	1 43	7 33	1 30	20 26	0 25	1 16	2 15	21 9	0 36	4 34	1 19	26 32	6 2	22 15	22 27	6 35	15 22	1 53
W24	14 53	13 10	2 32	2 44	3 7	1 34	1 44	7 16	1 31	20 25	0 26	1 19	2 16	21 9	0 36	4 34	1 19	26 32	6 2	22 14	22 27	6 38	15 23	1 53
T 25	15 11	18 26	1 16	3 4	3 9	2 2	1 44	6 58	1 31	20 25	0 26	1 21	2 16	21 8	0 36	4 33	1 19	26 32	6 2	22 14	22 26	6 41	15 24	1 53
F 26	15 29	22 26	0n 5	3 27	3 10	2 30	1 45	6 41	1 31	20 24	0 26	1 24	2 16	21 8	0 36	4 32	1 19	26 31	6 2	22 14	22 26	6 44	15 25	1 53
S 27	15 47	24 53	1 23	3 51	3 10	2 58	1 45	6 23	1 32	20 24	0 26	1 26	2 16	21 8	0 36	4 32	1 19	26 31	6 1	22 14	22 25	6 47	15 26	1 53
S 28	16 5	25 41	2 34	4 16	3 10	3 25	1 45	6 6	1 32	20 23	0 26	1 29	2 16	21 7	0 36	4 31	1 20	26 31	6 1	22 14	22 25	6 50	15 28	1 53
M29	16 22	24 54	3 34	4 44	3 9	3 53	1 45	5 48	1 32	20 23	0 27	1 32	2 16	21 7	0 36	4 31	1 20	26 31	6 1	22 14	22 25	6 53	15 29	1 53
T 30	16n39	22n45	4n20	5n12	3s 8	4n21	1s45	5s31	1s33	20s22	0s27	1n34	2s16	21n 7	0n36	4s30	1s20	26n31	6n 1	22n14	22n24	6s56	15n30	1s53

Julian Day Number = 2160178.5, Delta T = 13m17s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'00, Lahiri = 12°44'00 Julian Calendar 1 Apr. 1202 == Greg. Calendar 8 Apr. 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

MAY 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 1 44	16♉46'24	19♌55	21♈55	16♈18	20♓28	1♒26	9♈18	28♋39	21♓47	28♋10	11°R21	12♊32	26♎54	18♉14	W 1
T 2	15 5 40	17°44'05	2♍21	23°13	17°30	21°13	1°28	9°24	28°41	21°49	28°11	11♊20	12°29	27° 1	18°18	T 2
F 3	15 9 37	18°41'43	14°33	24°33	18°42	21°58	1°30	9°31	28°42	21°50	28°12	11°18	12°26	27° 8	18°22	F 3
S 4	15 13 34	19°39'21	26°33	25°55	19°54	22°43	1°32	9°37	28°44	21°51	28°13	11°16	12°23	27°14	18°27	S 4
S 5	15 17 30	20°36'56	8♎28	27°21	21° 6	23°28	1°34	9°44	28°46	21°53	28°14	11°12	12°19	27°21	18°31	S 5
M 6	15 21 27	21°34'30	20°18	28°48	22°18	24°13	1°35	9°50	28°48	21°54	28°14	11° 9	12°16	27°28	18°35	M 6
T 7	15 25 23	22°32'03	2♏ 8	0♉18	23°30	24°58	1°37	9°56	28°50	21°55	28°15	11° 6	12°13	27°34	18°40	T 7
W 8	15 29 20	23°29'35	14° 0	1°51	24°42	25°43	1°38	10° 3	28°52	21°57	28°16	11° 4	12°10	27°41	18°44	W 8
T 9	15 33 16	24°27'06	25°56	3°26	25°54	26°28	1°39	10° 9	28°54	21°58	28°17	11° 2	12° 7	27°48	18°48	T 9
F 10	15 37 13	25°24'35	7♐57	5° 3	27° 6	27°13	1°40	10°15	28°56	21°59	28°18	11°D 2	12° 3	27°54	18°53	F 10
S 11	15 41 9	26°22'03	20° 7	6°43	28°18	27°58	1°40	10°21	28°58	22° 1	28°19	11° 2	12° 0	28° 1	18°57	S 11
S 12	15 45 6	27°19'31	2♑26	8°25	29°31	28°43	1°41	10°27	29° 0	22° 2	28°20	11° 3	11°57	28° 8	19° 2	S 12
M13	15 49 3	28°16'57	14°57	10° 9	0♉43	29°28	1°41	10°33	29° 2	22° 3	28°21	11° 4	11°54	28°14	19° 6	M13
T 14	15 52 59	29°14'23	27°43	11°56	1°55	0♈12	1°R41	10°39	29° 5	22° 4	28°22	11° 5	11°51	28°21	19°10	T 14
W15	15 56 56	0♊11'48	10♒46	13°45	3° 7	0°57	1°41	10°45	29° 7	22° 5	28°23	11° 6	11°48	28°28	19°14	W15
T 16	16 0 52	1° 9'12	24° 8	15°37	4°20	1°41	1°40	10°51	29° 9	22° 6	28°24	11° 6	11°44	28°34	19°19	T 16
F 17	16 4 49	2° 6'36	7♓50	17°31	5°32	2°26	1°40	10°56	29°12	22° 7	28°25	11°R 6	11°41	28°41	19°23	F 17
S 18	16 8 45	3° 3'59	21°53	19°27	6°44	3°11	1°39	11° 2	29°14	22° 8	28°26	11° 6	11°38	28°48	19°27	S 18
S 19	16 12 42	4° 1'21	6♈16	21°25	7°56	3°55	1°38	11° 8	29°16	22° 9	28°27	11° 5	11°35	28°55	19°32	S 19
M20	16 16 38	4°58'43	20°57	23°25	9° 9	4°39	1°37	11°13	29°19	22°10	28°28	11° 5	11°32	29° 1	19°36	M20
T 21	16 20 35	5°56'04	5♉48	25°28	10°21	5°24	1°36	11°19	29°21	22°11	28°30	11° 4	11°29	29° 8	19°40	T 21
W22	16 24 32	6°53'24	20°45	27°32	11°34	6° 8	1°34	11°24	29°24	22°12	28°31	11° 4	11°25	29°15	19°44	W22
T 23	16 28 28	7°50'44	5♊38	29°38	12°46	6°52	1°33	11°29	29°27	22°13	28°32	11°D 4	11°22	29°21	19°49	T 23
F 24	16 32 25	8°48'04	20°20	1♊45	13°59	7°36	1°31	11°35	29°29	22°14	28°33	11° 4	11°19	29°28	19°53	F 24
S 25	16 36 21	9°45'22	4♋45	3°54	15°11	8°20	1°29	11°40	29°32	22°15	28°34	11° 4	11°16	29°35	19°57	S 25
S 26	16 40 18	10°42'40	18°47	6° 4	16°23	9° 4	1°26	11°45	29°35	22°15	28°36	11°R 4	11°13	29°41	20° 1	S 26
M27	16 44 14	11°39'57	2♌24	8°15	17°36	9°48	1°24	11°50	29°37	22°16	28°37	11° 4	11°10	29°48	20° 5	M27
T 28	16 48 11	12°37'13	15°36	10°26	18°48	10°32	1°21	11°55	29°40	22°17	28°38	11° 4	11° 6	29°55	20° 9	T 28
W29	16 52 7	13°34'28	28°25	12°38	20° 1	11°16	1°18	12° 0	29°43	22°18	28°39	11° 3	11° 3	0♏ 1	20°14	W29
T 30	16 56 4	14°31'42	10♍53	14°49	21°14	12° 0	1°15	12° 5	29°46	22°18	28°41	11°D 3	11° 0	0° 8	20°18	T 30
F 31	17 0 1	15♊28'56	23♍ 6	17♊ 1	22♉26	12♈43	1♒12	12♈10	29♋49	22♓19	28♋42	11♊ 3	10♊57	0♏15	20♉22	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n55	19n32	4n53	5n42	3s 6	4n49	1s45	5s13	1s33	20s22	0s27	1n36	2s17	21n 6	0n36	4s29	1s20	26n30	6n 1	22n14	22n24	6s59	15n31	1s53
T 2	17 12	15 30	5 11	6 14	3 3	5 16	1 45	4 55	1 33	20 22	0 27	1 39	2 17	21 6	0 36	4 29	1 20	26 30	6 1	22 14	22 23	7 2	15 32	1 53
F 3	17 28	10 56	5 14	6 46	2 59	5 44	1 45	4 38	1 33	20 21	0 27	1 41	2 17	21 5	0 36	4 28	1 20	26 30	6 1	22 14	22 23	7 5	15 33	1 54
S 4	17 43	6 1	5 3	7 20	2 55	6 12	1 45	4 20	1 34	20 21	0 28	1 44	2 17	21 5	0 36	4 28	1 20	26 30	6 1	22 14	22 23	7 8	15 34	1 54
S 5	17 59	0 55	4 40	7 55	2 51	6 39	1 45	4 2	1 34	20 21	0 28	1 46	2 17	21 5	0 36	4 27	1 20	26 29	6 1	22 13	22 22	7 11	15 35	1 54
M 6	18 14	4s12	4 4	8 31	2 46	7 6	1 44	3 45	1 34	20 21	0 28	1 48	2 17	21 4	0 36	4 27	1 20	26 29	6 1	22 13	22 22	7 14	15 37	1 54
T 7	18 29	9 10	3 18	9 8	2 40	7 33	1 44	3 27	1 34	20 21	0 28	1 51	2 18	21 4	0 36	4 26	1 20	26 29	6 1	22 12	22 21	7 16	15 38	1 54
W 8	18 44	13 49	2 24	9 46	2 34	8 0	1 43	3 9	1 34	20 21	0 28	1 53	2 18	21 3	0 36	4 26	1 20	26 29	6 1	22 12	22 21	7 19	15 39	1 54
T 9	18 58	17 59	1 23	10 25	2 27	8 27	1 43	2 51	1 35	20 21	0 29	1 55	2 18	21 3	0 36	4 25	1 20	26 28	6 0	22 12	22 21	7 22	15 40	1 54
F 10	19 12	21 27	0 17	11 4	2 19	8 54	1 42	2 34	1 35	20 21	0 29	1 58	2 18	21 3	0 36	4 25	1 20	26 28	6 0	22 12	22 20	7 25	15 41	1 54
S 11	19 26	24 0	0s50	11 45	2 12	9 20	1 41	2 16	1 35	20 21	0 29	2 0	2 18	21 2	0 36	4 25	1 20	26 28	6 0	22 12	22 20	7 28	15 42	1 54
S 12	19 39	25 27	1 56	12 25	2 3	9 47	1 41	1 58	1 35	20 21	0 29	2 2	2 18	21 2	0 35	4 24	1 20	26 28	6 0	22 12	22 19	7 31	15 43	1 54
M13	19 52	25 38	2 57	13 7	1 55	10 13	1 40	1 40	1 35	20 21	0 30	2 4	2 19	21 1	0 35	4 24	1 20	26 27	6 0	22 12	22 19	7 34	15 44	1 54
T 14	20 4	24 28	3 51	13 48	1 46	10 39	1 39	1 23	1 36	20 21	0 30	2 6	2 19	21 1	0 35	4 23	1 20	26 27	6 0	22 12	22 18	7 37	15 45	1 55
W15	20 17	22 0	4 34	14 30	1 36	11 4	1 38	1 5	1 36	20 22	0 30	2 9	2 19	21 0	0 35	4 23	1 20	26 27	6 0	22 12	22 18	7 40	15 46	1 55
T 16	20 29	18 18	5 3	15 12	1 26	11 30	1 37	0 47	1 36	20 22	0 30	2 11	2 19	21 0	0 35	4 22	1 20	26 26	6 0	22 12	22 18	7 43	15 47	1 55
F 17	20 40	13 33	5 16	15 55	1 16	11 55	1 36	0 30	1 36	20 22	0 30	2 13	2 19	20 59	0 35	4 22	1 20	26 26	6 0	22 12	22 17	7 46	15 49	1 55
S 18	20 52	8 0	5 11	16 37	1 6	12 20	1 34	0 12	1 36	20 23	0 31	2 15	2 20	20 59	0 35	4 22	1 20	26 26	6 0	22 12	22 17	7 49	15 50	1 55
S 19	21 3	1 53	4 47	17 18	0 55	12 45	1 33	0n 6	1 36	20 23	0 31	2 17	2 20	20 58	0 35	4 21	1 20	26 26	6 0	22 12	22 16	7 52	15 51	1 55
M20	21 13	4n27	4 4	17 59	0 45	13 9	1 32	0 23	1 36	20 23	0 31	2 19	2 20	20 58	0 35	4 21	1 21	26 25	6 0	22 12	22 16	7 55	15 52	1 55
T 21	21 23	10 38	3 3	18 40	0 34	13 33	1 30	0 41	1 36	20 24	0 31	2 21	2 20	20 57	0 35	4 21	1 21	26 25	6 0	22 12	22 15	7 58	15 53	1 55
W22	21 33	16 15	1 50	19 19	0 23	13 57	1 29	0 58	1 36	20 25	0 32	2 23	2 20	20 56	0 35	4 20	1 21	26 25	6 0	22 12	22 15	8 1	15 54	1 55
T 23	21 43	20 51	0 30	19 58	0 12	14 21	1 28	1 16	1 36	20 25	0 32	2 25	2 21	20 56	0 35	4 20	1 21	26 24	6 0	22 12	22 15	8 4	15 55	1 56
F 24	21 52	24 3	0n51	20 35	0 1	14 44	1 26	1 33	1 36	20 26	0 32	2 26	2 21	20 55	0 35	4 20	1 21	26 24	5 59	22 12	22 14	8 7	15 56	1 56
S 25	22 1	25 35	2 8	21 11	0n10	15 7	1 24	1 51	1 36	20 26	0 32	2 28	2 21	20 55	0 35	4 20	1 21	26 24	5 59	22 12	22 14	8 10	15 57	1 56
S 26	22 9	25 26	3 14	21 45	0 20	15 29	1 23	2 8	1 37	20 27	0 32	2 30	2 21	20 54	0 35	4 19	1 21	26 23	5 59	22 12	22 13	8 13	15 58	1 56
M27	22 17	23 44	4 8	22 17	0 30	15 52	1 21	2 25	1 37	20 28	0 33	2 32	2 21	20 54	0 35	4 19	1 21	26 23	5 59	22 12	22 13	8 16	15 59	1 56
T 28	22 25	20 47	4 47	22 47	0 40	16 13	1 19	2 43	1 37	20 29	0 33	2 34	2 22	20 53	0 35	4 19	1 21	26 23	5 59	22 12	22 12	8 19	16 0	1 56
W29	22 32	16 54	5 10	23 14	0 50	16 35	1 17	3 0	1 37	20 30	0 33	2 35	2 22	20 52	0 35	4 19	1 21	26 22	5 59	22 12	22 12	8 22	16 1	1 56
T 30	22 39	12 24	5 17	23 39	0 59	16 56	1 16	3 17	1 37	20 30	0 33	2 37	2 22	20 52	0 35	4 18	1 21	26 22	5 59	22 12	22 11	8 25	16 2	1 56
F 31	22n45	7n30	5n10	24n 1	1n 7	17n16	1s14	3n34	1s37	20s31	0s34	2n39	2s22	20n51	0n35	4s18	1s21	26n22	5n59	22n12	22n11	8s28	16n 3	1s57

Julian Day Number = 2160208.5, Delta T = 13m17s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'04, Lahiri = 12°44'04 Julian Calendar 1 May 1202 == Greg. Calendar 8 May 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

JUNE 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 57	16♊26'09	5♎ 6	19♊12	23♉39	13♈27	1°R 9	12♈14	29♋51	22♓20	28♋44	11♊ 4	10♊54	0♏21	20♉26	S 1
S 2	17 7 54	17°23'21	16°59	21°22	24°51	14°11	1♒ 5	12°19	29°54	22°20	28°45	11° 4	10°50	0°28	20°30	S 2
M 3	17 11 50	18°20'32	28°49	23°32	26° 4	14°54	1° 2	12°23	29°57	22°21	28°46	11° 5	10°47	0°35	20°34	M 3
T 4	17 15 47	19°17'43	10♏40	25°40	27°17	15°37	0°58	12°28	0♌ 0	22°21	28°48	11° 6	10°44	0°41	20°38	T 4
W 5	17 19 43	20°14'54	22°36	27°47	28°29	16°21	0°54	12°32	0° 3	22°22	28°49	11° 6	10°41	0°48	20°42	W 5
T 6	17 23 40	21°12'04	4♐38	29°52	29°42	17° 4	0°50	12°37	0° 6	22°22	28°51	11° 7	10°38	0°55	20°46	T 6
F 7	17 27 36	22° 9'13	16°51	1♋56	0♊55	17°47	0°45	12°41	0°10	22°22	28°52	11°R 7	10°35	1° 1	20°50	F 7
S 8	17 31 33	23° 6'23	29°14	3°57	2° 8	18°30	0°41	12°45	0°13	22°23	28°54	11° 6	10°31	1° 8	20°54	S 8
S 9	17 35 30	24° 3'32	11♑51	5°58	3°20	19°13	0°36	12°49	0°16	22°23	28°55	11° 5	10°28	1°15	20°57	S 9
M10	17 39 26	25° 0'41	24°41	7°56	4°33	19°56	0°31	12°53	0°19	22°23	28°57	11° 4	10°25	1°21	21° 1	M10
T 11	17 43 23	25°57'51	7♒45	9°52	5°46	20°39	0°26	12°57	0°22	22°24	28°58	11° 2	10°22	1°28	21° 5	T 11
W12	17 47 19	26°55'00	21° 3	11°46	6°59	21°22	0°21	13° 1	0°25	22°24	29° 0	11° 0	10°19	1°35	21° 9	W12
T 13	17 51 16	27°52'09	4♓36	13°38	8°12	22° 4	0°16	13° 4	0°29	22°24	29° 1	10°58	10°15	1°41	21°12	T 13
F 14	17 55 12	28°49'19	18°22	15°28	9°25	22°47	0°10	13° 8	0°32	22°24	29° 3	10°57	10°12	1°48	21°16	F 14
S 15	17 59 9	29°46'28	2♈22	17°16	10°38	23°30	0° 5	13°12	0°35	22°24	29° 4	10°D57	10° 9	1°55	21°20	S 15
S 16	18 3 5	0♋43'38	16°33	19° 2	11°50	24°12	29♑59	13°15	0°38	22°25	29° 6	10°57	10° 6	2° 2	21°24	S 16
M17	18 7 2	1°40'49	0♉55	20°46	13° 3	24°54	29°53	13°18	0°42	22°25	29° 7	10°58	10° 3	2° 8	21°27	M17
T 18	18 10 59	2°38'00	15°24	22°28	14°16	25°37	29°47	13°22	0°45	22°25	29° 9	11° 0	10° 0	2°15	21°31	T 18
W19	18 14 55	3°35'11	29°56	24° 8	15°30	26°19	29°41	13°25	0°49	22°R25	29°11	11° 1	9°56	2°22	21°34	W19
T 20	18 18 52	4°32'23	14♊27	25°46	16°43	27° 1	29°35	13°28	0°52	22°25	29°12	11°R 1	9°53	2°28	21°38	T 20
F 21	18 22 48	5°29'35	28°50	27°21	17°56	27°43	29°28	13°31	0°55	22°25	29°14	11° 0	9°50	2°35	21°41	F 21
S 22	18 26 45	6°26'47	13♋ 1	28°55	19° 9	28°25	29°22	13°34	0°59	22°25	29°16	10°58	9°47	2°42	21°45	S 22
S 23	18 30 41	7°23'59	26°55	0♌26	20°22	29° 7	29°15	13°37	1° 2	22°24	29°17	10°55	9°44	2°48	21°48	S 23
M24	18 34 38	8°21'12	10♌28	1°56	21°35	29°48	29° 9	13°39	1° 6	22°24	29°19	10°51	9°41	2°55	21°51	M24
T 25	18 38 35	9°18'25	23°40	3°23	22°48	0♉30	29° 2	13°42	1° 9	22°24	29°21	10°46	9°37	3° 2	21°55	T 25
W26	18 42 31	10°15'37	6♍30	4°48	24° 1	1°11	28°55	13°44	1°13	22°24	29°22	10°43	9°34	3° 8	21°58	W26
T 27	18 46 28	11°12'50	19° 0	6°11	25°15	1°53	28°48	13°47	1°16	22°24	29°24	10°39	9°31	3°15	22° 1	T 27
F 28	18 50 24	12°10'03	1♎13	7°32	26°28	2°34	28°41	13°49	1°20	22°23	29°26	10°37	9°28	3°22	22° 4	F 28
S 29	18 54 21	13° 7'17	13°14	8°50	27°41	3°15	28°34	13°51	1°23	22°23	29°27	10°D37	9°25	3°28	22° 8	S 29
S 30	18 58 17	14♋ 4'30	25♎ 8	10♌ 6	28♊55	3♉56	28♑26	13♈54	1♌27	22♓23	29♋29	10♊37	9♊21	3♏35	22♉11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n51	2n24	4n50	24n21	1n15	17n36	1s12	3n51	1s36	20s32	0s34	2n40	2s22	20n50	0n35	4s18	1s21	26n21	5n59	22n12	22n11	8s31	16n 3	1s57	S 1
S 2	22 57	2s45	4 17	24 38	1 22	17 56	1 10	4 8	1 36	20 33	0 34	2 42	2 23	20 50	0 35	4 18	1 21	26 21	5 59	22 12	22 10	8 33	16 4	1 57	S 2
M 3	23 2	7 46	3 34	24 52	1 29	18 15	1 8	4 25	1 36	20 34	0 34	2 43	2 23	20 49	0 35	4 18	1 21	26 21	5 59	22 12	22 10	8 36	16 5	1 57	M 3
T 4	23 7	12 32	2 41	25 3	1 35	18 34	1 6	4 42	1 36	20 35	0 34	2 45	2 23	20 49	0 35	4 17	1 21	26 20	5 59	22 12	22 9	8 39	16 6	1 57	T 4
W 5	23 11	16 52	1 41	25 12	1 40	18 53	1 4	4 58	1 36	20 36	0 35	2 46	2 23	20 48	0 35	4 17	1 21	26 20	5 59	22 12	22 9	8 42	16 7	1 57	W 5
T 6	23 15	20 34	0 36	25 17	1 45	19 10	1 1	5 15	1 36	20 38	0 35	2 48	2 24	20 47	0 35	4 17	1 21	26 20	5 59	22 12	22 8	8 45	16 8	1 57	T 6
F 7	23 19	23 25	0s32	25 20	1 48	19 28	0 59	5 32	1 36	20 39	0 35	2 49	2 24	20 47	0 35	4 17	1 21	26 19	5 59	22 12	22 8	8 48	16 9	1 58	F 7
S 8	23 22	25 11	1 39	25 20	1 51	19 45	0 57	5 48	1 36	20 40	0 35	2 51	2 24	20 46	0 35	4 17	1 22	26 19	5 59	22 12	22 7	8 51	16 10	1 58	S 8
S 9	23 25	25 42	2 42	25 18	1 54	20 1	0 55	6 5	1 36	20 41	0 35	2 52	2 24	20 45	0 35	4 17	1 22	26 19	5 59	22 12	22 7	8 54	16 11	1 58	S 9
M10	23 27	24 52	3 38	25 13	1 55	20 17	0 53	6 21	1 36	20 42	0 36	2 53	2 25	20 44	0 35	4 17	1 22	26 18	5 59	22 12	22 6	8 57	16 12	1 58	M10
T 11	23 29	22 40	4 24	25 6	1 56	20 32	0 50	6 37	1 36	20 44	0 36	2 55	2 25	20 44	0 35	4 17	1 22	26 18	5 59	22 12	22 6	9 0	16 12	1 58	T 11
W12	23 30	19 13	4 57	24 57	1 56	20 47	0 48	6 54	1 35	20 45	0 36	2 56	2 25	20 43	0 35	4 17	1 22	26 18	5 59	22 11	22 6	9 3	16 13	1 58	W12
T 13	23 32	14 43	5 14	24 45	1 56	21 1	0 46	7 10	1 35	20 46	0 36	2 57	2 25	20 42	0 35	4 17	1 22	26 17	5 59	22 11	22 5	9 6	16 14	1 58	T 13
F 14	23 32	9 25	5 13	24 32	1 54	21 15	0 43	7 26	1 35	20 48	0 37	2 58	2 26	20 42	0 35	4 17	1 22	26 17	5 59	22 11	22 5	9 9	16 15	1 59	F 14
S 15	23 33	3 33	4 54	24 17	1 52	21 28	0 41	7 42	1 35	20 49	0 37	2 59	2 26	20 41	0 35	4 17	1 22	26 17	5 59	22 11	22 4	9 12	16 16	1 59	S 15
S 16	23 32	2n35	4 17	24 0	1 50	21 40	0 38	7 58	1 35	20 51	0 37	3 1	2 26	20 40	0 35	4 17	1 22	26 16	5 59	22 11	22 4	9 15	16 16	1 59	S 16
M17	23 32	8 40	3 23	23 41	1 47	21 52	0 36	8 13	1 34	20 52	0 37	3 2	2 26	20 39	0 35	4 17	1 22	26 16	5 59	22 11	22 3	9 18	16 17	1 59	M17
T 18	23 31	14 21	2 17	23 21	1 43	22 3	0 34	8 29	1 34	20 54	0 37	3 3	2 27	20 39	0 35	4 17	1 22	26 16	5 59	22 11	22 3	9 21	16 18	1 59	T 18
W19	23 30	19 14	1 1	23 0	1 39	22 14	0 31	8 44	1 34	20 55	0 38	3 4	2 27	20 38	0 35	4 17	1 22	26 15	5 59	22 11	22 2	9 24	16 19	1 59	W19
T 20	23 28	22 57	0n19	22 37	1 34	22 24	0 29	9 0	1 34	20 57	0 38	3 5	2 27	20 37	0 35	4 17	1 22	26 15	5 59	22 12	22 2	9 26	16 19	2 0	T 20
F 21	23 26	25 9	1 36	22 14	1 29	22 34	0 26	9 15	1 33	20 58	0 38	3 6	2 27	20 36	0 35	4 17	1 22	26 15	5 59	22 11	22 1	9 29	16 20	2 0	F 21
S 22	23 23	25 40	2 47	21 49	1 23	22 42	0 24	9 30	1 33	21 0	0 38	3 6	2 28	20 36	0 35	4 17	1 22	26 14	5 59	22 11	22 1	9 32	16 21	2 0	S 22
S 23	23 20	24 33	3 46	21 23	1 16	22 50	0 21	9 45	1 33	21 1	0 38	3 7	2 28	20 35	0 35	4 17	1 22	26 14	5 59	22 11	22 0	9 35	16 22	2 0	S 23
M24	23 17	22 1	4 30	20 57	1 10	22 58	0 19	10 0	1 33	21 3	0 39	3 8	2 28	20 34	0 35	4 17	1 22	26 14	5 59	22 10	22 0	9 38	16 22	2 0	M24
T 25	23 13	18 23	4 59	20 30	1 2	23 5	0 16	10 15	1 32	21 4	0 39	3 9	2 29	20 33	0 35	4 17	1 22	26 13	5 59	22 10	21 59	9 41	16 23	2 1	T 25
W26	23 9	13 59	5 12	20 2	0 54	23 11	0 14	10 30	1 32	21 6	0 39	3 10	2 29	20 33	0 35	4 17	1 22	26 13	5 59	22 9	21 59	9 44	16 24	2 1	W26
T 27	23 4	9 7	5 10	19 33	0 46	23 16	0 11	10 45	1 32	21 8	0 39	3 10	2 29	20 32	0 35	4 18	1 23	26 13	5 59	22 8	21 58	9 47	16 24	2 1	T 27
F 28	22 59	3 59	4 53	19 4	0 38	23 21	0 9	10 59	1 31	21 9	0 39	3 11	2 29	20 31	0 35	4 18	1 23	26 12	5 59	22 8	21 58	9 50	16 25	2 1	F 28
S 29	22 54	1s12	4 24	18 35	0 29	23 25	0 6	11 14	1 31	21 11	0 39	3 12	2 30	20 30	0 35	4 18	1 23	26 12	5 59	22 8	21 58	9 53	16 26	2 1	S 29
S 30	22n48	6s18	3n44	18n 6	0n19	23n29	0s 4	11n28	1s31	21s13	0s40	3n12	2s30	20n29	0n35	4s18	1s23	26n11	5n59	22n 8	21n57	9s56	16n26	2s 1	S 30

Julian Day Number = 2160239.5, Delta T = 13m17s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'08, Lahiri = 12°44'09 Julian Calendar 1 June 1202 == Greg. Calendar 8 June 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

JULY 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 2 14	15♋ 1'44	6♏58	11♌20	0♋ 8	4♉37	28°R19	13♈56	1♌31	22°R22	29♋31	10♊39	9♊18	3♏42	22♉14	M 1
T 2	19 6 10	15°58'58	18°50	12°31	1°21	5°18	28♉12	13°58	1°34	22♓22	29°32	10°41	9°15	3°48	22°17	T 2
W 3	19 10 7	16°56'12	0♐49	13°40	2°35	5°58	28° 4	13°59	1°38	22°21	29°34	10°42	9°12	3°55	22°20	W 3
T 4	19 14 4	17°53'27	12°58	14°46	3°48	6°39	27°57	14° 1	1°41	22°21	29°36	10°R42	9° 9	4° 2	22°23	T 4
F 5	19 18 0	18°50'42	25°21	15°49	5° 1	7°20	27°49	14° 3	1°45	22°20	29°38	10°41	9° 6	4° 8	22°26	F 5
S 6	19 21 57	19°47'58	8♑ 0	16°50	6°15	8° 0	27°41	14° 4	1°49	22°20	29°39	10°38	9° 2	4°15	22°28	S 6
S 7	19 25 53	20°45'15	20°56	17°48	7°28	8°40	27°34	14° 6	1°52	22°19	29°41	10°34	8°59	4°22	22°31	S 7
M 8	19 29 50	21°42'32	4♒ 9	18°43	8°42	9°20	27°26	14° 7	1°56	22°19	29°43	10°28	8°56	4°28	22°34	M 8
T 9	19 33 46	22°39'50	17°37	19°34	9°55	10° 0	27°18	14° 8	2° 0	22°18	29°45	10°21	8°53	4°35	22°37	T 9
W10	19 37 43	23°37'09	1♓19	20°23	11° 9	10°40	27°11	14° 9	2° 3	22°17	29°46	10°15	8°50	4°42	22°39	W10
T 11	19 41 39	24°34'29	15°12	21° 8	12°23	11°20	27° 3	14°10	2° 7	22°17	29°48	10° 9	8°47	4°48	22°42	T 11
F 12	19 45 36	25°31'50	29°12	21°49	13°36	11°59	26°55	14°11	2°11	22°16	29°50	10° 4	8°43	4°55	22°45	F 12
S 13	19 49 33	26°29'12	13♈18	22°27	14°50	12°39	26°47	14°12	2°14	22°15	29°52	10° 2	8°40	5° 2	22°47	S 13
S 14	19 53 29	27°26'35	27°27	23° 1	16° 4	13°18	26°40	14°13	2°18	22°15	29°53	10°D 1	8°37	5° 8	22°49	S 14
M15	19 57 26	28°23'59	11♉38	23°30	17°17	13°58	26°32	14°13	2°22	22°14	29°55	10° 1	8°34	5°15	22°52	M15
T 16	20 1 22	29°21'25	25°48	23°56	18°31	14°37	26°24	14°14	2°26	22°13	29°57	10° 2	8°31	5°22	22°54	T 16
W17	20 5 19	0♌18'53	9♊56	24°17	19°45	15°16	26°16	14°14	2°29	22°12	29°59	10°R 3	8°27	5°28	22°57	W17
T 18	20 9 15	1°16'21	24° 1	24°33	20°59	15°54	26° 8	14°15	2°33	22°11	0♌ 1	10° 2	8°24	5°35	22°59	T 18
F 19	20 13 12	2°13'51	7♋59	24°44	22°12	16°33	26° 1	14°15	2°37	22°10	0° 2	9°59	8°21	5°42	23° 1	F 19
S 20	20 17 8	3°11'22	21°48	24°51	23°26	17°12	25°53	14°R15	2°40	22° 9	0° 4	9°54	8°18	5°48	23° 3	S 20
S 21	20 21 5	4° 8'54	5♌24	24°R52	24°40	17°50	25°45	14°15	2°44	22° 8	0° 6	9°46	8°15	5°55	23° 5	S 21
M22	20 25 2	5° 6'27	18°44	24°48	25°54	18°28	25°38	14°15	2°48	22° 7	0° 8	9°37	8°12	6° 2	23° 7	M22
T 23	20 28 58	6° 4'01	1♍47	24°38	27° 8	19° 6	25°30	14°14	2°52	22° 6	0° 9	9°28	8° 8	6° 8	23° 9	T 23
W24	20 32 55	7° 1'37	14°31	24°23	28°22	19°44	25°23	14°14	2°55	22° 5	0°11	9°18	8° 5	6°15	23°11	W24
T 25	20 36 51	7°59'13	26°59	24° 2	29°36	20°22	25°15	14°14	2°59	22° 4	0°13	9°10	8° 2	6°22	23°13	T 25
F 26	20 40 48	8°56'50	9♎10	23°36	0♌50	21° 0	25° 8	14°13	3° 3	22° 3	0°15	9° 4	7°59	6°28	23°15	F 26
S 27	20 44 44	9°54'29	21°10	23° 5	2° 4	21°37	25° 1	14°12	3° 6	22° 2	0°16	9° 0	7°56	6°35	23°16	S 27
S 28	20 48 41	10°52'08	3♏ 3	22°29	3°18	22°14	24°53	14°12	3°10	22° 1	0°18	8°58	7°53	6°42	23°18	S 28
M29	20 52 37	11°49'49	14°52	21°49	4°32	22°51	24°46	14°11	3°14	22° 0	0°20	8°D57	7°49	6°48	23°20	M29
T 30	20 56 34	12°47'30	26°44	21° 5	5°46	23°28	24°39	14°10	3°17	21°59	0°22	8°58	7°46	6°55	23°21	T 30
W31	21 0 31	13♌45'13	8♐44	20♌17	7♌ 0	24♉ 5	24♉32	14♈ 9	3♌21	21♓57	0♌23	8°R58	7♊43	7♏ 2	23♉23	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n42	11s10	2n54	17n36	0n 9	23n32	0s 1	11n42	1s30	21s14	0s40	3n13	2s30	20n29	0n35	4s18	1s23	26n11	5n59	22n 8	21n57	9s59	16n27	2s 2
T 2	22 35	15 38	1 57	17 7	0s 1	23 34	0n 1	11 56	1 30	21 16	0 40	3 13	2 31	20 28	0 35	4 19	1 23	26 11	5 59	22 9	21 56	10 2	16 27	2 2
W 3	22 28	19 32	0 54	16 37	0 11	23 35	0 4	12 10	1 29	21 18	0 40	3 14	2 31	20 27	0 35	4 19	1 23	26 10	5 59	22 9	21 56	10 5	16 28	2 2
T 4	22 21	22 39	0s12	16 7	0 22	23 36	0 6	12 24	1 29	21 19	0 40	3 14	2 31	20 26	0 35	4 19	1 23	26 10	5 59	22 9	21 55	10 8	16 29	2 2
F 5	22 13	24 47	1 19	15 38	0 33	23 36	0 9	12 37	1 29	21 21	0 40	3 14	2 31	20 25	0 35	4 19	1 23	26 10	5 59	22 9	21 55	10 10	16 29	2 2
S 6	22 5	25 41	2 23	15 9	0 45	23 35	0 11	12 51	1 28	21 23	0 41	3 15	2 32	20 25	0 35	4 20	1 23	26 9	5 59	22 8	21 54	10 13	16 30	2 3
S 7	21 56	25 13	3 21	14 40	0 56	23 34	0 14	13 4	1 28	21 24	0 41	3 15	2 32	20 24	0 35	4 20	1 23	26 9	5 59	22 8	21 54	10 16	16 30	2 3
M 8	21 47	23 20	4 9	14 12	1 8	23 32	0 16	13 17	1 27	21 26	0 41	3 15	2 32	20 23	0 35	4 20	1 23	26 9	5 59	22 7	21 53	10 19	16 31	2 3
T 9	21 38	20 8	4 45	13 45	1 20	23 29	0 19	13 30	1 27	21 28	0 41	3 15	2 32	20 22	0 35	4 20	1 23	26 8	5 59	22 6	21 53	10 22	16 31	2 3
W10	21 28	15 47	5 5	13 18	1 32	23 25	0 21	13 43	1 26	21 29	0 41	3 16	2 33	20 21	0 35	4 21	1 23	26 8	5 59	22 5	21 52	10 25	16 32	2 3
T 11	21 18	10 34	5 7	12 52	1 45	23 21	0 23	13 56	1 26	21 31	0 41	3 16	2 33	20 20	0 35	4 21	1 23	26 8	5 59	22 4	21 52	10 28	16 32	2 4
F 12	21 8	4 46	4 52	12 27	1 57	23 16	0 26	14 9	1 25	21 33	0 42	3 16	2 33	20 20	0 35	4 21	1 23	26 7	5 59	22 3	21 51	10 31	16 32	2 4
S 13	20 57	1n18	4 18	12 3	2 10	23 11	0 28	14 21	1 25	21 34	0 42	3 16	2 34	20 19	0 35	4 22	1 23	26 7	6 0	22 3	21 51	10 34	16 33	2 4
S 14	20 46	7 21	3 29	11 40	2 22	23 4	0 30	14 34	1 24	21 36	0 42	3 16	2 34	20 18	0 35	4 22	1 23	26 7	6 0	22 3	21 50	10 37	16 33	2 4
M15	20 34	13 3	2 27	11 18	2 35	22 57	0 32	14 46	1 24	21 38	0 42	3 16	2 34	20 17	0 35	4 22	1 23	26 6	6 0	22 3	21 50	10 40	16 34	2 4
T 16	20 22	18 4	1 16	10 58	2 47	22 50	0 35	14 58	1 23	21 39	0 42	3 16	2 34	20 16	0 35	4 23	1 23	26 6	6 0	22 3	21 49	10 42	16 34	2 5
W17	20 10	22 2	0 1	10 40	3 0	22 41	0 37	15 10	1 23	21 41	0 42	3 16	2 35	20 15	0 35	4 23	1 24	26 6	6 0	22 3	21 49	10 45	16 34	2 5
T 18	19 58	24 39	1n14	10 23	3 12	22 32	0 39	15 22	1 22	21 42	0 42	3 16	2 35	20 15	0 35	4 23	1 24	26 5	6 0	22 3	21 48	10 48	16 35	2 5
F 19	19 45	25 42	2 24	10 8	3 24	22 23	0 41	15 33	1 21	21 44	0 42	3 15	2 35	20 14	0 35	4 24	1 24	26 5	6 0	22 3	21 48	10 51	16 35	2 5
S 20	19 32	25 8	3 25	9 55	3 35	22 12	0 43	15 45	1 21	21 46	0 43	3 15	2 36	20 13	0 35	4 24	1 24	26 5	6 0	22 2	21 47	10 54	16 36	2 6
S 21	19 18	23 5	4 12	9 44	3 46	22 2	0 45	15 56	1 20	21 47	0 43	3 15	2 36	20 12	0 35	4 25	1 24	26 4	6 0	22 1	21 47	10 57	16 36	2 6
M22	19 4	19 47	4 45	9 36	3 56	21 50	0 47	16 7	1 20	21 49	0 43	3 15	2 36	20 11	0 35	4 25	1 24	26 4	6 0	21 59	21 46	11 0	16 36	2 6
T 23	18 50	15 35	5 2	9 30	4 6	21 38	0 49	16 18	1 19	21 50	0 43	3 14	2 36	20 10	0 35	4 26	1 24	26 4	6 0	21 58	21 46	11 3	16 36	2 6
W24	18 36	10 47	5 4	9 26	4 15	21 25	0 51	16 29	1 18	21 52	0 43	3 14	2 37	20 9	0 35	4 26	1 24	26 4	6 0	21 57	21 45	11 6	16 37	2 6
T 25	18 21	5 39	4 51	9 26	4 23	21 11	0 53	16 40	1 18	21 53	0 43	3 13	2 37	20 9	0 35	4 27	1 24	26 3	6 0	21 55	21 45	11 9	16 37	2 7
F 26	18 6	0 24	4 24	9 28	4 30	20 57	0 55	16 51	1 17	21 55	0 43	3 13	2 37	20 8	0 35	4 27	1 24	26 3	6 1	21 54	21 44	11 11	16 37	2 7
S 27	17 51	4s48	3 47	9 32	4 35	20 42	0 57	17 1	1 16	21 56	0 43	3 12	2 38	20 7	0 35	4 27	1 24	26 3	6 1	21 54	21 44	11 14	16 37	2 7
S 28	17 35	9 46	3 0	9 40	4 40	20 27	0 58	17 11	1 16	21 57	0 43	3 12	2 38	20 6	0 35	4 28	1 24	26 2	6 1	21 53	21 43	11 17	16 38	2 7
M29	17 19	14 22	2 5	9 50	4 42	20 11	1 0	17 22	1 15	21 59	0 43	3 11	2 38	20 5	0 35	4 28	1 24	26 2	6 1	21 53	21 43	11 20	16 38	2 7
T 30	17 3	18 28	1 5	10 4	4 43	19 54	1 2	17 31	1 14	22 0	0 44	3 11	2 38	20 4	0 35	4 29	1 24	26 2	6 1	21 53	21 42	11 23	16 38	2 8
W31	16n46	21s50	0n 1	10n19	4s43	19n37	1n 3	17n41	1s13	22s 1	0s44	3n10	2s39	20n 4	0n35	4s29	1s24	26n 2	6n 1	21n54	21n42	11s26	16n38	2s 8

Julian Day Number = 2160269.5, Delta T = 13m16s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'12, Lahiri = 12°44'13 Julian Calendar 1 July 1202 == Greg. Calendar 8 July 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

AUGUST 1202 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 27	14♌42'57	20♐57	19°R26	8♌15	24♉41	24°R25	14°R 8	3♌25	21°R56	0♌25	8°R58	7♊40	7♏ 8	23♉24	T 1
F 2	21 8 24	15°40'42	3♑27	18♌34	9°29	25°18	24♑18	14♈ 6	3°28	21♓55	0°27	8♊55	7°37	7°15	23°26	F 2
S 3	21 12 20	16°38'29	16°17	17°41	10°43	25°54	24°12	14° 5	3°32	21°54	0°29	8°50	7°33	7°22	23°27	S 3
S 4	21 16 17	17°36'17	29°29	16°49	11°57	26°30	24° 5	14° 4	3°36	21°52	0°30	8°43	7°30	7°28	23°28	S 4
M 5	21 20 13	18°34'06	13♒ 3	15°58	13°11	27° 6	23°59	14° 2	3°39	21°51	0°32	8°33	7°27	7°35	23°29	M 5
T 6	21 24 10	19°31'56	26°57	15° 9	14°26	27°42	23°52	14° 0	3°43	21°50	0°34	8°22	7°24	7°42	23°31	T 6
W 7	21 28 6	20°29'49	11♓ 6	14°23	15°40	28°17	23°46	13°59	3°47	21°48	0°35	8°11	7°21	7°48	23°32	W 7
T 8	21 32 3	21°27'42	25°24	13°43	16°54	28°52	23°40	13°57	3°50	21°47	0°37	8° 2	7°18	7°55	23°33	T 8
F 9	21 36 0	22°25'38	9♈47	13° 7	18° 8	29°27	23°34	13°55	3°54	21°46	0°39	7°54	7°14	8° 2	23°34	F 9
S 10	21 39 56	23°23'35	24°10	12°38	19°23	0♊ 2	23°28	13°53	3°57	21°44	0°40	7°49	7°11	8° 8	23°34	S 10
S 11	21 43 53	24°21'35	8♉27	12°16	20°37	0°37	23°23	13°50	4° 1	21°43	0°42	7°46	7° 8	8°15	23°35	S 11
M12	21 47 49	25°19'36	22°37	12° 2	21°52	1°11	23°17	13°48	4° 4	21°41	0°44	7°D45	7° 5	8°22	23°36	M12
T 13	21 51 46	26°17'40	6♊39	11°D55	23° 6	1°46	23°12	13°46	4° 8	21°40	0°45	7°R45	7° 2	8°28	23°37	T 13
W14	21 55 42	27°15'45	20°31	11°57	24°21	2°20	23° 6	13°43	4°11	21°39	0°47	7°45	6°59	8°35	23°37	W14
T 15	21 59 39	28°13'52	4♋15	12° 7	25°35	2°53	23° 1	13°41	4°15	21°37	0°49	7°43	6°55	8°42	23°38	T 15
F 16	22 3 35	29°12'02	17°49	12°26	26°49	3°27	22°56	13°38	4°18	21°36	0°50	7°38	6°52	8°48	23°38	F 16
S 17	22 7 32	0♍10'13	1♌14	12°54	28° 4	4° 0	22°52	13°36	4°22	21°34	0°52	7°31	6°49	8°55	23°39	S 17
S 18	22 11 29	1° 8'27	14°27	13°30	29°19	4°34	22°47	13°33	4°25	21°33	0°53	7°20	6°46	9° 2	23°39	S 18
M19	22 15 25	2° 6'42	27°28	14°14	0♍33	5° 6	22°43	13°30	4°29	21°31	0°55	7° 8	6°43	9° 8	23°40	M19
T 20	22 19 22	3° 4'58	10♍15	15° 6	1°48	5°39	22°38	13°27	4°32	21°29	0°56	6°55	6°39	9°15	23°40	T 20
W21	22 23 18	4° 3'17	22°48	16° 5	3° 2	6°11	22°34	13°24	4°35	21°28	0°58	6°42	6°36	9°22	23°40	W21
T 22	22 27 15	5° 1'37	5♎ 8	17°11	4°17	6°43	22°30	13°21	4°39	21°26	1° 0	6°30	6°33	9°28	23°40	T 22
F 23	22 31 11	5°59'59	17°14	18°24	5°32	7°15	22°26	13°18	4°42	21°25	1° 1	6°20	6°30	9°35	23°R40	F 23
S 24	22 35 8	6°58'23	29°11	19°43	6°46	7°47	22°23	13°14	4°45	21°23	1° 3	6°14	6°27	9°42	23°40	S 24
S 25	22 39 4	7°56'49	11♏ 1	21° 7	8° 1	8°18	22°19	13°11	4°49	21°22	1° 4	6°10	6°24	9°48	23°40	S 25
M26	22 43 1	8°55'16	22°48	22°37	9°15	8°49	22°16	13° 7	4°52	21°20	1° 5	6° 8	6°20	9°55	23°40	M26
T 27	22 46 58	9°53'45	4♐39	24°10	10°30	9°20	22°13	13° 4	4°55	21°18	1° 7	6° 7	6°17	10° 2	23°40	T 27
W28	22 50 54	10°52'15	16°37	25°48	11°45	9°50	22°10	13° 0	4°58	21°17	1° 8	6° 7	6°14	10° 8	23°39	W28
T 29	22 54 51	11°50'47	28°49	27°28	13° 0	10°21	22° 8	12°57	5° 1	21°15	1°10	6° 7	6°11	10°15	23°39	T 29
F 30	22 58 47	12°49'21	11♑20	29°11	14°14	10°51	22° 5	12°53	5° 4	21°13	1°11	6° 4	6° 8	10°22	23°39	F 30
S 31	23 2 44	13♍47'57	24♑14	0♍57	15♍29	11♊20	22♑ 3	12♈49	5♌ 8	21♓12	1♌13	5♊59	6♊ 5	10♏28	23♉38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n29	24s17	1s 3	10n37	4s40	19n20	1n 5	17n51	1s13	22s 3	0s44	3n 9	2s39	20n 3	0n35	4s30	1s24	26n 1	6n 1	21n53	21n41	11s29	16n38	2s 8
F 2	16 12	25 36	2 6	10 58	4 35	19 1	1 6	18 0	1 12	22 4	0 44	3 9	2 39	20 2	0 35	4 30	1 24	26 1	6 1	21 53	21 40	11 32	16 38	2 8
S 3	15 55	25 36	3 5	11 20	4 29	18 43	1 8	18 10	1 11	22 5	0 44	3 8	2 39	20 1	0 35	4 31	1 24	26 1	6 1	21 52	21 40	11 35	16 38	2 9
S 4	15 37	24 10	3 55	11 43	4 21	18 23	1 9	18 19	1 10	22 6	0 44	3 7	2 40	20 0	0 35	4 32	1 24	26 0	6 1	21 51	21 39	11 37	16 39	2 9
M 5	15 20	21 19	4 33	12 8	4 11	18 3	1 10	18 28	1 10	22 8	0 44	3 6	2 40	19 59	0 35	4 32	1 24	26 0	6 2	21 50	21 39	11 40	16 39	2 9
T 6	15 2	17 13	4 56	12 34	3 59	17 43	1 12	18 37	1 9	22 9	0 44	3 5	2 40	19 58	0 35	4 33	1 24	26 0	6 2	21 48	21 38	11 43	16 39	2 9
W 7	14 43	12 4	5 1	12 59	3 45	17 22	1 13	18 46	1 8	22 10	0 44	3 4	2 41	19 58	0 35	4 33	1 24	26 0	6 2	21 46	21 38	11 46	16 39	2 10
T 8	14 25	6 14	4 48	13 25	3 30	17 1	1 14	18 54	1 7	22 11	0 44	3 3	2 41	19 57	0 35	4 34	1 24	25 59	6 2	21 45	21 37	11 49	16 39	2 10
F 9	14 6	0 2	4 17	13 51	3 15	16 39	1 15	19 3	1 6	22 12	0 44	3 2	2 41	19 56	0 35	4 34	1 24	25 59	6 2	21 43	21 37	11 52	16 39	2 10
S 10	13 47	6n10	3 29	14 15	2 58	16 17	1 16	19 11	1 5	22 13	0 44	3 1	2 41	19 55	0 35	4 35	1 24	25 59	6 2	21 42	21 36	11 55	16 39	2 10
S 11	13 28	12 2	2 29	14 38	2 40	15 54	1 17	19 19	1 4	22 14	0 44	3 0	2 42	19 54	0 35	4 36	1 25	25 59	6 2	21 42	21 36	11 58	16 39	2 11
M12	13 8	17 14	1 19	15 0	2 22	15 31	1 18	19 27	1 3	22 15	0 44	2 59	2 42	19 53	0 35	4 36	1 25	25 58	6 3	21 42	21 35	12 0	16 39	2 11
T 13	12 48	21 25	0 6	15 19	2 3	15 7	1 19	19 35	1 3	22 16	0 44	2 58	2 42	19 53	0 35	4 37	1 25	25 58	6 3	21 42	21 35	12 3	16 39	2 11
W14	12 29	24 19	1n 7	15 36	1 45	14 43	1 20	19 43	1 2	22 17	0 44	2 57	2 42	19 52	0 35	4 37	1 25	25 58	6 3	21 42	21 34	12 6	16 39	2 11
T 15	12 8	25 44	2 15	15 51	1 26	14 19	1 21	19 50	1 1	22 18	0 45	2 56	2 42	19 51	0 35	4 38	1 25	25 58	6 3	21 41	21 34	12 9	16 38	2 11
F 16	11 48	25 34	3 15	16 4	1 8	13 54	1 21	19 58	1 0	22 19	0 45	2 54	2 43	19 50	0 35	4 39	1 25	25 57	6 3	21 41	21 33	12 12	16 38	2 12
S 17	11 28	23 55	4 3	16 13	0 50	13 29	1 22	20 5	0 59	22 20	0 45	2 53	2 43	19 49	0 35	4 39	1 25	25 57	6 3	21 40	21 33	12 15	16 38	2 12
S 18	11 7	20 59	4 37	16 19	0 33	13 3	1 23	20 12	0 58	22 21	0 45	2 52	2 43	19 49	0 35	4 40	1 25	25 57	6 3	21 38	21 32	12 18	16 38	2 12
M19	10 46	17 2	4 56	16 22	0 17	12 37	1 23	20 19	0 57	22 21	0 45	2 51	2 43	19 48	0 35	4 40	1 25	25 57	6 4	21 36	21 31	12 20	16 38	2 12
T 20	10 25	12 22	5 0	16 22	0 1	12 11	1 23	20 26	0 56	22 22	0 45	2 49	2 44	19 47	0 35	4 41	1 25	25 57	6 4	21 34	21 31	12 23	16 38	2 13
W21	10 4	7 17	4 48	16 18	0n14	11 44	1 24	20 32	0 55	22 23	0 45	2 48	2 44	19 46	0 35	4 42	1 25	25 56	6 4	21 31	21 30	12 26	16 38	2 13
T 22	9 43	1 59	4 24	16 11	0 28	11 17	1 24	20 39	0 53	22 23	0 45	2 46	2 44	19 45	0 35	4 42	1 25	25 56	6 4	21 29	21 30	12 29	16 37	2 13
F 23	9 21	3s17	3 48	16 1	0 40	10 50	1 24	20 45	0 52	22 24	0 45	2 45	2 44	19 45	0 35	4 43	1 25	25 56	6 4	21 28	21 29	12 32	16 37	2 13
S 24	8 59	8 24	3 2	15 47	0 52	10 22	1 25	20 52	0 51	22 25	0 45	2 43	2 44	19 44	0 35	4 44	1 25	25 56	6 4	21 27	21 29	12 35	16 37	2 14
S 25	8 38	13 9	2 9	15 30	1 3	9 55	1 25	20 58	0 50	22 25	0 45	2 42	2 45	19 43	0 35	4 44	1 25	25 56	6 5	21 26	21 28	12 38	16 37	2 14
M26	8 16	17 26	1 10	15 10	1 12	9 26	1 25	21 4	0 49	22 26	0 45	2 40	2 45	19 42	0 35	4 45	1 25	25 56	6 5	21 26	21 28	12 40	16 36	2 14
T 27	7 54	21 2	0 8	14 47	1 20	8 58	1 25	21 9	0 48	22 26	0 45	2 39	2 45	19 42	0 35	4 46	1 25	25 55	6 5	21 25	21 27	12 43	16 36	2 14
W28	7 31	23 47	0s55	14 21	1 28	8 29	1 25	21 15	0 47	22 27	0 45	2 37	2 45	19 41	0 35	4 46	1 25	25 55	6 5	21 25	21 27	12 46	16 36	2 15
T 29	7 9	25 29	1 57	13 52	1 34	8 1	1 24	21 21	0 46	22 27	0 45	2 36	2 45	19 40	0 36	4 47	1 25	25 55	6 5	21 25	21 26	12 49	16 35	2 15
F 30	6 46	25 58	2 55	13 21	1 39	7 31	1 24	21 26	0 44	22 28	0 45	2 34	2 46	19 39	0 36	4 48	1 25	25 55	6 5	21 25	21 25	12 52	16 35	2 15
S 31	6n24	25s 4	3s46	12n47	1n43	7n 2	1n24	21n32	0s43	22s28	0s45	2n32	2s46	19n39	0n36	4s48	1s25	25n55	6n 6	21n24	21n25	12s55	16n35	2s15

Julian Day Number = 2160300.5, Delta T = 13m16s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'16, Lahiri = 12°44'17 Julian Calendar 1 Aug. 1202 == Greg. Calendar 8 Aug. 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

SEPTEMBER 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 6 40	14♍46'35	7♒34	2♍44	16♍44	11♊49	22°R 1	12°R45	5♌11	21°R10	1♌14	5°R51	6♊ 1	10♏35	23°R37	S 1
M 2	23 10 37	15°45'14	21°21	4°32	17°59	12°18	21♑59	12♈41	5°14	21♓ 8	1°15	5♊42	5°58	10°42	23♉37	M 2
T 3	23 14 33	16°43'55	5♓32	6°21	19°13	12°47	21°57	12°37	5°17	21° 7	1°17	5°30	5°55	10°48	23°36	T 3
W 4	23 18 30	17°42'38	20° 3	8°11	20°28	13°15	21°56	12°33	5°20	21° 5	1°18	5°19	5°52	10°55	23°35	W 4
T 5	23 22 27	18°41'22	4♈47	10° 2	21°43	13°43	21°54	12°29	5°23	21° 3	1°19	5° 9	5°49	11° 2	23°35	T 5
F 6	23 26 23	19°40'09	19°36	11°52	22°58	14°11	21°53	12°25	5°26	21° 2	1°21	5° 0	5°45	11° 8	23°34	F 6
S 7	23 30 20	20°38'59	4♉21	13°43	24°12	14°38	21°52	12°21	5°28	21° 0	1°22	4°55	5°42	11°15	23°33	S 7
S 8	23 34 16	21°37'50	18°57	15°33	25°27	15° 5	21°52	12°16	5°31	20°58	1°23	4°52	5°39	11°21	23°32	S 8
M 9	23 38 13	22°36'44	3♊18	17°23	26°42	15°32	21°51	12°12	5°34	20°57	1°24	4°D51	5°36	11°28	23°31	M 9
T 10	23 42 9	23°35'40	17°23	19°13	27°57	15°58	21°51	12° 8	5°37	20°55	1°25	4°R51	5°33	11°35	23°30	T 10
W11	23 46 6	24°34'39	1♋12	21° 2	29°12	16°24	21°D51	12° 3	5°40	20°53	1°27	4°51	5°30	11°41	23°29	W11
T 12	23 50 2	25°33'40	14°44	22°50	0♎27	16°50	21°51	11°59	5°42	20°52	1°28	4°50	5°26	11°48	23°27	T 12
F 13	23 53 59	26°32'44	28° 3	24°38	1°42	17°15	21°51	11°54	5°45	20°50	1°29	4°46	5°23	11°55	23°26	F 13
S 14	23 57 56	27°31'49	11♌ 7	26°24	2°57	17°40	21°51	11°50	5°48	20°49	1°30	4°39	5°20	12° 1	23°25	S 14
S 15	0 1 52	28°30'57	24° 0	28°11	4°11	18° 4	21°52	11°45	5°50	20°47	1°31	4°30	5°17	12° 8	23°23	S 15
M16	0 5 49	29°30'07	6♍41	29°56	5°26	18°28	21°53	11°41	5°53	20°45	1°32	4°19	5°14	12°15	23°22	M16
T 17	0 9 45	0♎29'20	19°11	1♎41	6°41	18°51	21°54	11°36	5°55	20°44	1°33	4° 7	5°10	12°21	23°20	T 17
W18	0 13 42	1°28'34	1♎29	3°24	7°56	19°14	21°55	11°31	5°58	20°42	1°34	3°56	5° 7	12°28	23°18	W18
T 19	0 17 38	2°27'50	13°38	5° 7	9°11	19°37	21°56	11°27	6° 0	20°40	1°35	3°45	5° 4	12°35	23°17	T 19
F 20	0 21 35	3°27'09	25°37	6°50	10°26	19°59	21°58	11°22	6° 3	20°39	1°36	3°36	5° 1	12°41	23°15	F 20
S 21	0 25 31	4°26'29	7♏29	8°31	11°41	20°21	22° 0	11°17	6° 5	20°37	1°37	3°30	4°58	12°48	23°13	S 21
S 22	0 29 28	5°25'52	19°17	10°12	12°56	20°42	22° 2	11°12	6° 7	20°36	1°38	3°27	4°55	12°55	23°11	S 22
M23	0 33 24	6°25'16	1♐ 3	11°52	14°11	21° 3	22° 4	11° 8	6°10	20°34	1°39	3°D26	4°51	13° 1	23°10	M23
T 24	0 37 21	7°24'43	12°52	13°31	15°26	21°23	22° 7	11° 3	6°12	20°32	1°40	3°26	4°48	13° 8	23° 8	T 24
W25	0 41 18	8°24'11	24°48	15° 9	16°41	21°43	22° 9	10°58	6°14	20°31	1°41	3°27	4°45	13°15	23° 6	W25
T 26	0 45 14	9°23'41	6♑58	16°47	17°56	22° 2	22°12	10°53	6°16	20°29	1°42	3°R28	4°42	13°21	23° 4	T 26
F 27	0 49 11	10°23'13	19°25	18°24	19°11	22°20	22°15	10°49	6°18	20°28	1°43	3°27	4°39	13°28	23° 1	F 27
S 28	0 53 7	11°22'46	2♒16	20° 1	20°26	22°39	22°18	10°44	6°20	20°26	1°43	3°25	4°36	13°35	22°59	S 28
S 29	0 57 4	12°22'22	15°34	21°36	21°41	22°56	22°21	10°39	6°22	20°25	1°44	3°21	4°32	13°41	22°57	S 29
M30	1 1 0	13♎21'59	29♒20	23♎11	22♎56	23♊13	22♑25	10♈34	6♌24	20♓23	1♌45	3♊15	4♊29	13♏48	22♉55	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 1	22s44	4s26	12n12	1n46	6n33	1n24	21n37	0s42	22s28	0s45	2n31	2s46	19n38	0n36	4s49	1s25	25n55	6n 6	21n23	21n24	12s57	16n34	2s16
M 2	5 38	19 3	4 52	11 34	1 49	6 3	1 23	21 42	0 41	22 29	0 45	2 29	2 46	19 37	0 36	4 50	1 25	25 55	6 6	21 21	21 24	13 0	16 34	2 16
T 3	5 16	14 11	5 1	10 55	1 50	5 33	1 23	21 47	0 39	22 29	0 45	2 27	2 46	19 36	0 36	4 50	1 25	25 54	6 6	21 19	21 23	13 3	16 34	2 16
W 4	4 53	8 25	4 51	10 15	1 51	5 3	1 22	21 52	0 38	22 29	0 45	2 26	2 46	19 36	0 36	4 51	1 25	25 54	6 6	21 17	21 23	13 6	16 33	2 16
T 5	4 30	2 6	4 22	9 33	1 51	4 33	1 22	21 56	0 37	22 29	0 45	2 24	2 46	19 35	0 36	4 52	1 25	25 54	6 6	21 15	21 22	13 9	16 33	2 16
F 6	4 6	4n23	3 35	8 50	1 50	4 3	1 21	22 1	0 35	22 30	0 45	2 22	2 47	19 34	0 36	4 52	1 25	25 54	6 7	21 14	21 22	13 12	16 32	2 17
S 7	3 43	10 36	2 34	8 6	1 49	3 32	1 20	22 6	0 34	22 30	0 45	2 20	2 47	19 34	0 36	4 53	1 25	25 54	6 7	21 13	21 21	13 14	16 32	2 17
S 8	3 20	16 12	1 23	7 21	1 47	3 2	1 19	22 10	0 33	22 30	0 45	2 19	2 47	19 33	0 36	4 54	1 25	25 54	6 7	21 12	21 20	13 17	16 31	2 17
M 9	2 57	20 46	0 8	6 36	1 44	2 31	1 19	22 14	0 31	22 30	0 45	2 17	2 47	19 32	0 36	4 54	1 25	25 54	6 7	21 12	21 20	13 20	16 31	2 17
T 10	2 33	24 2	1n 6	5 50	1 41	2 0	1 18	22 19	0 30	22 30	0 45	2 15	2 47	19 32	0 36	4 55	1 25	25 54	6 7	21 12	21 19	13 23	16 30	2 18
W11	2 10	25 47	2 15	5 4	1 38	1 30	1 17	22 23	0 28	22 30	0 45	2 13	2 47	19 31	0 36	4 56	1 25	25 54	6 8	21 12	21 19	13 26	16 30	2 18
T 12	1 46	25 57	3 15	4 17	1 34	0 59	1 16	22 27	0 27	22 30	0 45	2 11	2 47	19 30	0 36	4 56	1 25	25 54	6 8	21 12	21 18	13 28	16 29	2 18
F 13	1 23	24 37	4 3	3 31	1 29	0 28	1 15	22 31	0 25	22 30	0 45	2 10	2 47	19 30	0 36	4 57	1 25	25 54	6 8	21 11	21 18	13 31	16 29	2 18
S 14	0 59	21 58	4 38	2 44	1 25	0s 3	1 14	22 34	0 24	22 30	0 45	2 8	2 47	19 29	0 36	4 58	1 25	25 53	6 8	21 10	21 17	13 34	16 28	2 19
S 15	0 36	18 15	4 58	1 57	1 20	0 34	1 12	22 38	0 22	22 30	0 45	2 6	2 48	19 29	0 36	4 58	1 25	25 53	6 9	21 8	21 17	13 37	16 28	2 19
M16	0 12	13 46	5 3	1 10	1 15	1 5	1 11	22 42	0 21	22 29	0 45	2 4	2 48	19 28	0 36	4 59	1 25	25 53	6 9	21 6	21 16	13 40	16 27	2 19
T 17	0s12	8 47	4 53	0 23	1 9	1 36	1 10	22 45	0 19	22 29	0 45	2 2	2 48	19 27	0 36	5 0	1 25	25 53	6 9	21 4	21 15	13 42	16 26	2 19
W18	0 35	3 31	4 29	0s23	1 4	2 7	1 8	22 49	0 17	22 29	0 44	2 0	2 48	19 27	0 36	5 0	1 25	25 53	6 9	21 2	21 15	13 45	16 26	2 19
T 19	0 59	1s49	3 54	1 10	0 58	2 38	1 7	22 52	0 16	22 29	0 44	1 58	2 48	19 26	0 36	5 1	1 25	25 53	6 9	21 0	21 14	13 48	16 25	2 20
F 20	1 23	7 2	3 8	1 56	0 52	3 9	1 5	22 56	0 14	22 28	0 44	1 56	2 48	19 26	0 36	5 1	1 25	25 53	6 10	20 58	21 14	13 51	16 25	2 20
S 21	1 46	11 57	2 14	2 42	0 46	3 40	1 4	22 59	0 13	22 28	0 44	1 55	2 48	19 25	0 36	5 2	1 25	25 53	6 10	20 57	21 13	13 54	16 24	2 20
S 22	2 10	16 25	1 15	3 27	0 39	4 10	1 2	23 2	0 11	22 28	0 44	1 53	2 48	19 25	0 36	5 3	1 25	25 53	6 10	20 56	21 13	13 56	16 23	2 20
M23	2 34	20 15	0 13	4 12	0 33	4 41	1 1	23 5	0 9	22 27	0 44	1 51	2 48	19 24	0 36	5 3	1 25	25 53	6 10	20 56	21 12	13 59	16 23	2 21
T 24	2 57	23 16	0s51	4 57	0 26	5 12	0 59	23 8	0 7	22 27	0 44	1 49	2 48	19 23	0 36	5 4	1 25	25 53	6 10	20 56	21 11	14 2	16 22	2 21
W25	3 21	25 19	1 52	5 42	0 20	5 42	0 57	23 11	0 6	22 27	0 44	1 47	2 48	19 23	0 36	5 5	1 25	25 53	6 11	20 56	21 11	14 5	16 21	2 21
T 26	3 44	26 12	2 50	6 26	0 13	6 13	0 56	23 14	0 4	22 26	0 44	1 45	2 48	19 22	0 36	5 5	1 25	25 53	6 11	20 56	21 10	14 8	16 20	2 21
F 27	4 8	25 47	3 42	7 9	0 6	6 43	0 54	23 17	0 2	22 26	0 44	1 43	2 48	19 22	0 36	5 6	1 25	25 53	6 11	20 56	21 10	14 10	16 20	2 21
S 28	4 31	24 1	4 24	7 52	0s 1	7 13	0 52	23 20	0n 0	22 25	0 44	1 41	2 48	19 21	0 36	5 6	1 25	25 53	6 11	20 56	21 9	14 13	16 19	2 22
S 29	4 55	20 54	4 53	8 34	0 8	7 43	0 50	23 23	0 2	22 24	0 44	1 39	2 48	19 21	0 36	5 7	1 25	25 53	6 12	20 55	21 8	14 16	16 18	2 22
M30	5s18	16s32	5s 7	9s16	0s14	8s13	0n48	23n26	0n 4	22s24	0s44	1n38	2s48	19n21	0n37	5s 8	1s25	25n53	6n12	20n54	21n 8	14s19	16n17	2s22

Julian Day Number = 2160331.5, Delta T = 13m16s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'21, Lahiri = 12°44'21 Julian Calendar 1 Sept. 1202 == Greg. Calendar 8 Sept. 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

OCTOBER 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 57	14♎21'38	13♓35	24♎46	24♎11	23♊30	22♑29	10°R29	6♌26	20°R22	1♌46	3°R 7	4♊26	13♏55	22°R53	T 1
W 2	1 8 53	15°21'18	28°15	26°20	25°26	23°46	22°33	10♈25	6°28	20♓20	1°46	3♊ 0	4°23	14° 1	22♉50	W 2
T 3	1 12 50	16°21'01	13♈14	27°53	26°41	24° 1	22°37	10°20	6°30	20°19	1°47	2°52	4°20	14° 8	22°48	T 3
F 4	1 16 47	17°20'46	28°21	29°26	27°56	24°16	22°41	10°15	6°32	20°17	1°48	2°47	4°16	14°15	22°45	F 4
S 5	1 20 43	18°20'32	13♉28	0♏58	29°11	24°30	22°45	10°10	6°33	20°16	1°48	2°43	4°13	14°21	22°43	S 5
S 6	1 24 40	19°20'21	28°26	2°30	0♏26	24°43	22°50	10° 6	6°35	20°14	1°49	2°D42	4°10	14°28	22°40	S 6
M 7	1 28 36	20°20'13	13♊ 6	4° 1	1°41	24°56	22°55	10° 1	6°37	20°13	1°49	2°42	4° 7	14°34	22°38	M 7
T 8	1 32 33	21°20'06	27°25	5°31	2°56	25° 8	23° 0	9°56	6°38	20°12	1°50	2°43	4° 4	14°41	22°35	T 8
W 9	1 36 29	22°20'02	11♋22	7° 1	4°11	25°20	23° 5	9°52	6°40	20°10	1°50	2°45	4° 1	14°48	22°32	W 9
T 10	1 40 26	23°20'00	24°56	8°30	5°26	25°31	23°10	9°47	6°41	20° 9	1°51	2°R45	3°57	14°54	22°30	T 10
F 11	1 44 22	24°20'00	8♌ 9	9°59	6°41	25°41	23°16	9°43	6°43	20° 8	1°51	2°44	3°54	15° 1	22°27	F 11
S 12	1 48 19	25°20'03	21° 4	11°28	7°56	25°50	23°22	9°38	6°44	20° 6	1°52	2°41	3°51	15° 8	22°24	S 12
S 13	1 52 16	26°20'07	3♍43	12°55	9°11	25°59	23°27	9°34	6°45	20° 5	1°52	2°37	3°48	15°14	22°21	S 13
M14	1 56 12	27°20'14	16° 8	14°22	10°26	26° 7	23°33	9°29	6°47	20° 4	1°53	2°31	3°45	15°21	22°18	M14
T 15	2 0 9	28°20'23	28°23	15°49	11°41	26°14	23°40	9°25	6°48	20° 3	1°53	2°25	3°42	15°28	22°16	T 15
W16	2 4 5	29°20'33	10♎28	17°15	12°56	26°21	23°46	9°20	6°49	20° 1	1°53	2°19	3°38	15°34	22°13	W16
T 17	2 8 2	0♏20'46	22°26	18°40	14°11	26°26	23°52	9°16	6°50	20° 0	1°54	2°13	3°35	15°41	22°10	T 17
F 18	2 11 58	1°21'00	4♏19	20° 4	15°26	26°31	23°59	9°12	6°51	19°59	1°54	2° 9	3°32	15°48	22° 7	F 18
S 19	2 15 55	2°21'17	16° 7	21°28	16°41	26°35	24° 6	9° 8	6°52	19°58	1°54	2° 6	3°29	15°54	22° 4	S 19
S 20	2 19 51	3°21'35	27°54	22°51	17°56	26°39	24°13	9° 3	6°53	19°57	1°54	2°D 5	3°26	16° 1	22° 1	S 20
M21	2 23 48	4°21'54	9♐41	24°13	19°11	26°41	24°20	8°59	6°54	19°56	1°54	2° 5	3°22	16° 8	21°57	M21
T 22	2 27 45	5°22'16	21°32	25°34	20°26	26°43	24°27	8°55	6°55	19°55	1°55	2° 6	3°19	16°14	21°54	T 22
W23	2 31 41	6°22'39	3♑31	26°54	21°41	26°44	24°35	8°51	6°56	19°54	1°55	2° 8	3°16	16°21	21°51	W23
T 24	2 35 38	7°23'03	15°41	28°13	22°56	26°R44	24°42	8°47	6°56	19°53	1°55	2° 9	3°13	16°28	21°48	T 24
F 25	2 39 34	8°23'29	28° 6	29°30	24°11	26°43	24°50	8°44	6°57	19°52	1°55	2°11	3°10	16°34	21°45	F 25
S 26	2 43 31	9°23'57	10♒52	0♐46	25°26	26°41	24°58	8°40	6°58	19°51	1°55	2°R11	3° 7	16°41	21°42	S 26
S 27	2 47 27	10°24'25	24° 2	2° 0	26°41	26°39	25° 6	8°36	6°58	19°50	1°R55	2°10	3° 3	16°48	21°39	S 27
M28	2 51 24	11°24'55	7♓39	3°12	27°56	26°35	25°14	8°32	6°59	19°49	1°55	2° 9	3° 0	16°54	21°35	M28
T 29	2 55 20	12°25'26	21°45	4°22	29°11	26°31	25°23	8°29	6°59	19°48	1°55	2° 6	2°57	17° 1	21°32	T 29
W30	2 59 17	13°25'59	6♈17	5°30	0♐26	26°26	25°31	8°25	7° 0	19°47	1°55	2° 4	2°54	17° 7	21°29	W30
T 31	3 3 14	14♏26'33	21♈12	6♐35	1♐41	26♊20	25♑40	8♈22	7♌ 0	19♓46	1♌55	2♊ 1	2♊51	17♏14	21♉26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s41	11s 8	5s 3	9s58	0s21	8s42	0n46	23n29	0n 6	22s23	0s44	1n36	2s48	19n20	0n37	5s 8	1s25	25n54	6n12	20n52	21n 7	14s21	16n17	2s22
W 2	6 4	4 57	4 39	10 38	0 28	9 12	0 44	23 32	0 8	22 22	0 44	1 34	2 48	19 20	0 37	5 9	1 25	25 54	6 12	20 51	21 7	14 24	16 16	2 22
T 3	6 27	1n38	3 55	11 19	0 35	9 41	0 42	23 34	0 10	22 22	0 44	1 32	2 48	19 19	0 37	5 9	1 25	25 54	6 13	20 50	21 6	14 27	16 15	2 23
F 4	6 50	8 13	2 55	11 58	0 42	10 10	0 40	23 37	0 12	22 21	0 44	1 30	2 48	19 19	0 37	5 10	1 25	25 54	6 13	20 48	21 5	14 30	16 14	2 23
S 5	7 13	14 19	1 42	12 37	0 48	10 39	0 38	23 40	0 14	22 20	0 44	1 28	2 48	19 18	0 37	5 10	1 25	25 54	6 13	20 48	21 5	14 32	16 13	2 23
S 6	7 36	19 31	0 23	13 15	0 55	11 7	0 36	23 42	0 16	22 19	0 44	1 27	2 48	19 18	0 37	5 11	1 25	25 54	6 13	20 47	21 4	14 35	16 13	2 23
M 7	7 59	23 24	0n56	13 53	1 2	11 35	0 33	23 45	0 18	22 19	0 44	1 25	2 48	19 18	0 37	5 11	1 25	25 54	6 14	20 47	21 4	14 38	16 12	2 23
T 8	8 21	25 41	2 10	14 29	1 8	12 3	0 31	23 48	0 20	22 18	0 44	1 23	2 48	19 17	0 37	5 12	1 25	25 54	6 14	20 48	21 3	14 41	16 11	2 24
W 9	8 44	26 17	3 15	15 5	1 14	12 31	0 29	23 50	0 23	22 17	0 44	1 21	2 48	19 17	0 37	5 13	1 25	25 54	6 14	20 48	21 3	14 43	16 10	2 24
T 10	9 6	25 16	4 6	15 40	1 21	12 58	0 27	23 53	0 25	22 16	0 44	1 19	2 48	19 17	0 37	5 13	1 25	25 54	6 14	20 48	21 2	14 46	16 9	2 24
F 11	9 28	22 52	4 43	16 15	1 27	13 25	0 24	23 55	0 27	22 15	0 44	1 18	2 48	19 16	0 37	5 14	1 25	25 55	6 14	20 48	21 1	14 49	16 8	2 24
S 12	9 50	19 21	5 5	16 48	1 33	13 52	0 22	23 58	0 29	22 14	0 44	1 16	2 48	19 16	0 37	5 14	1 25	25 55	6 15	20 47	21 1	14 52	16 8	2 24
S 13	10 12	15 1	5 11	17 21	1 39	14 18	0 19	24 1	0 32	22 13	0 44	1 14	2 47	19 16	0 37	5 15	1 25	25 55	6 15	20 46	21 0	14 54	16 7	2 24
M14	10 34	10 8	5 2	17 53	1 45	14 45	0 17	24 3	0 34	22 12	0 44	1 13	2 47	19 15	0 37	5 15	1 25	25 55	6 15	20 45	21 0	14 57	16 6	2 25
T 15	10 56	4 56	4 40	18 24	1 50	15 10	0 15	24 6	0 37	22 11	0 44	1 11	2 47	19 15	0 37	5 15	1 25	25 55	6 15	20 44	20 59	15 0	16 5	2 25
W16	11 17	0s24	4 5	18 54	1 55	15 36	0 12	24 9	0 39	22 10	0 44	1 9	2 47	19 15	0 37	5 16	1 25	25 55	6 16	20 43	20 58	15 3	16 4	2 25
T 17	11 39	5 41	3 20	19 23	2 0	16 0	0 10	24 11	0 41	22 8	0 44	1 8	2 47	19 15	0 37	5 16	1 25	25 55	6 16	20 42	20 58	15 5	16 3	2 25
F 18	12 0	10 43	2 26	19 51	2 5	16 25	0 7	24 14	0 44	22 7	0 44	1 6	2 47	19 14	0 37	5 17	1 25	25 56	6 16	20 41	20 57	15 8	16 2	2 25
S 19	12 21	15 21	1 26	20 18	2 10	16 49	0 5	24 16	0 46	22 6	0 44	1 5	2 47	19 14	0 37	5 17	1 25	25 56	6 16	20 40	20 57	15 11	16 1	2 25
S 20	12 41	19 24	0 23	20 44	2 14	17 13	0 2	24 19	0 49	22 5	0 44	1 3	2 47	19 14	0 37	5 18	1 25	25 56	6 17	20 40	20 56	15 14	16 0	2 26
M21	13 2	22 41	0s42	21 9	2 19	17 36	0s 0	24 22	0 52	22 3	0 43	1 2	2 47	19 14	0 37	5 18	1 25	25 56	6 17	20 40	20 55	15 16	15 59	2 26
T 22	13 22	25 1	1 45	21 32	2 22	17 58	0 3	24 24	0 54	22 2	0 43	1 0	2 46	19 14	0 37	5 18	1 25	25 56	6 17	20 40	20 55	15 19	15 58	2 26
W23	13 42	26 14	2 45	21 55	2 26	18 21	0 5	24 27	0 57	22 1	0 43	0 59	2 46	19 14	0 37	5 19	1 24	25 57	6 17	20 41	20 54	15 22	15 57	2 26
T 24	14 2	26 13	3 38	22 16	2 29	18 42	0 8	24 30	0 59	21 59	0 43	0 57	2 46	19 13	0 37	5 19	1 24	25 57	6 18	20 41	20 53	15 24	15 57	2 26
F 25	14 22	24 54	4 22	22 36	2 31	19 4	0 10	24 32	1 2	21 58	0 43	0 56	2 46	19 13	0 37	5 20	1 24	25 57	6 18	20 41	20 53	15 27	15 56	2 26
S 26	14 41	22 18	4 54	22 54	2 34	19 24	0 13	24 35	1 5	21 56	0 43	0 55	2 46	19 13	0 38	5 20	1 24	25 57	6 18	20 41	20 52	15 30	15 55	2 26
S 27	15 0	18 28	5 13	23 11	2 35	19 45	0 15	24 38	1 8	21 55	0 43	0 53	2 46	19 13	0 38	5 20	1 24	25 57	6 18	20 41	20 52	15 33	15 54	2 27
M28	15 19	13 35	5 14	23 27	2 37	20 4	0 18	24 40	1 10	21 53	0 43	0 52	2 45	19 13	0 38	5 21	1 24	25 58	6 19	20 41	20 51	15 35	15 53	2 27
T 29	15 38	7 50	4 58	23 41	2 37	20 23	0 20	24 43	1 13	21 52	0 43	0 51	2 45	19 13	0 38	5 21	1 24	25 58	6 19	20 40	20 50	15 38	15 52	2 27
W30	15 56	1 30	4 22	23 54	2 37	20 42	0 23	24 46	1 16	21 50	0 43	0 50	2 45	19 13	0 38	5 21	1 24	25 58	6 19	20 40	20 50	15 41	15 51	2 27
T 31	16s15	5n 6	3s27	24s 4	2s37	21s 0	0s25	24n48	1n19	21s49	0s43	0n49	2s45	19n13	0n38	5s21	1s24	25n59	6n19	20n39	20n49	15s43	15n50	2s27

Julian Day Number = 2160361.5, Delta T = 13m16s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'25, Lahiri = 12°44'25 Julian Calendar 1 Oct. 1202 == Greg. Calendar 8 Oct. 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

NOVEMBER 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 7 10	15♏27'08	6♉21	7♐36	2♐55	26°R13	25♑48	8°R19	7♌ 0	19°R46	1°R55	2°R 0	2♊47	17♏21	21°R22	F 1
S 2	3 11 7	16°27'45	21°37	8°34	4°10	26♊ 6	25°57	8♈16	7° 0	19♓45	1♌54	1♊59	2°44	17°27	21♉19	S 2
S 3	3 15 3	17°28'23	6♊48	9°29	5°25	25°57	26° 6	8°12	7° 1	19°44	1°54	1°D58	2°41	17°34	21°16	S 3
M 4	3 19 0	18°29'03	21°46	10°18	6°40	25°48	26°16	8° 9	7° 1	19°43	1°54	1°59	2°38	17°41	21°13	M 4
T 5	3 22 56	19°29'45	6♋23	11° 3	7°55	25°37	26°25	8° 6	7° 1	19°43	1°54	2° 0	2°35	17°47	21° 9	T 5
W 6	3 26 53	20°30'28	20°34	11°42	9°10	25°26	26°34	8° 3	7°R 1	19°42	1°54	2° 1	2°32	17°54	21° 6	W 6
T 7	3 30 49	21°31'13	4♌19	12°14	10°25	25°14	26°44	8° 1	7° 1	19°42	1°53	2° 2	2°28	18° 1	21° 3	T 7
F 8	3 34 46	22°31'59	17°38	12°39	11°40	25° 2	26°53	7°58	7° 1	19°41	1°53	2°R 2	2°25	18° 7	20°59	F 8
S 9	3 38 43	23°32'47	0♍33	12°56	12°55	24°48	27° 3	7°55	7° 0	19°40	1°53	2° 2	2°22	18°14	20°56	S 9
S 10	3 42 39	24°33'37	13° 7	13°R 4	14°10	24°33	27°13	7°53	7° 0	19°40	1°52	2° 2	2°19	18°21	20°53	S 10
M11	3 46 36	25°34'27	25°26	13° 2	15°25	24°18	27°23	7°50	7° 0	19°39	1°52	2° 1	2°16	18°27	20°49	M11
T 12	3 50 32	26°35'20	7♎31	12°50	16°40	24° 2	27°33	7°48	7° 0	19°39	1°51	2° 0	2°13	18°34	20°46	T 12
W13	3 54 29	27°36'14	19°28	12°27	17°55	23°46	27°43	7°46	6°59	19°39	1°51	2° 0	2° 9	18°41	20°43	W13
T 14	3 58 25	28°37'09	1♏18	11°54	19°10	23°28	27°54	7°44	6°59	19°38	1°50	1°59	2° 6	18°47	20°40	T 14
F 15	4 2 22	29°38'05	13° 6	11° 8	20°24	23°10	28° 4	7°42	6°58	19°38	1°50	1°59	2° 3	18°54	20°36	F 15
S 16	4 6 18	0♐39'03	24°54	10°13	21°39	22°51	28°15	7°40	6°58	19°38	1°49	1°59	2° 0	19° 1	20°33	S 16
S 17	4 10 15	1°40'01	6♐43	9° 8	22°54	22°32	28°26	7°38	6°57	19°37	1°49	1°59	1°57	19° 7	20°30	S 17
M18	4 14 12	2°41'01	18°36	7°55	24° 9	22°12	28°36	7°36	6°56	19°37	1°48	1°59	1°53	19°14	20°27	M18
T 19	4 18 8	3°42'02	0♑35	6°36	25°24	21°51	28°47	7°35	6°56	19°37	1°48	1°59	1°50	19°20	20°23	T 19
W20	4 22 5	4°43'03	12°42	5°14	26°39	21°30	28°58	7°33	6°55	19°37	1°47	1°58	1°47	19°27	20°20	W20
T 21	4 26 1	5°44'05	24°59	3°51	27°54	21° 9	29° 9	7°32	6°54	19°37	1°46	1°58	1°44	19°34	20°17	T 21
F 22	4 29 58	6°45'08	7♒30	2°30	29° 9	20°47	29°21	7°30	6°53	19°37	1°46	1°57	1°41	19°40	20°14	F 22
S 23	4 33 54	7°46'11	20°17	1°14	0♑23	20°24	29°32	7°29	6°52	19°37	1°45	1°57	1°38	19°47	20°11	S 23
S 24	4 37 51	8°47'15	3♓23	0° 6	1°38	20° 1	29°43	7°28	6°51	19°D37	1°44	1°D57	1°34	19°54	20° 8	S 24
M25	4 41 47	9°48'20	16°51	29♏ 6	2°53	19°38	29°55	7°27	6°50	19°37	1°44	1°57	1°31	20° 0	20° 5	M25
T 26	4 45 44	10°49'24	0♈42	28°16	4° 8	19°15	0♒ 7	7°26	6°49	19°37	1°43	1°57	1°28	20° 7	20° 2	T 26
W27	4 49 41	11°50'29	14°56	27°38	5°23	18°52	0°18	7°25	6°48	19°37	1°42	1°58	1°25	20°14	19°59	W27
T 28	4 53 37	12°51'35	29°32	27°10	6°37	18°28	0°30	7°25	6°47	19°37	1°41	1°59	1°22	20°20	19°56	T 28
F 29	4 57 34	13°52'41	14♉26	26°54	7°52	18° 5	0°42	7°24	6°46	19°37	1°40	1°59	1°19	20°27	19°53	F 29
S 30	5 1 30	14♐53'47	29♉31	26°D48	9♑ 7	17♊41	0♒54	7♈24	6♌44	19♓37	1♌39	2°R 0	1♊15	20♏34	19♉50	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s32	11n32	2s17	24s14	2s35	21s17	0s28	24n51	1n22	21s47	0s43	0n47	2s45	19n13	0n38	5s22	1s24	25n59	6n20	20n39	20n49	15s46	15n49	2s27
S 2	16 50	17 20	0 57	24 21	2 33	21 34	0 30	24 54	1 25	21 45	0 43	0 46	2 45	19 13	0 38	5 22	1 24	25 59	6 20	20 39	20 48	15 49	15 48	2 27
S 3	17 7	21 59	0n27	24 27	2 30	21 50	0 33	24 56	1 28	21 44	0 43	0 45	2 44	19 13	0 38	5 22	1 24	25 59	6 20	20 39	20 47	15 51	15 47	2 27
M 4	17 24	25 5	1 48	24 30	2 26	22 6	0 35	24 59	1 30	21 42	0 43	0 44	2 44	19 13	0 38	5 22	1 24	26 0	6 20	20 39	20 47	15 54	15 46	2 28
T 5	17 41	26 23	3 0	24 32	2 21	22 20	0 37	25 2	1 33	21 40	0 43	0 43	2 44	19 13	0 38	5 23	1 24	26 0	6 21	20 39	20 46	15 57	15 45	2 28
W 6	17 57	25 53	3 58	24 31	2 15	22 35	0 40	25 4	1 36	21 38	0 43	0 42	2 44	19 13	0 38	5 23	1 24	26 0	6 21	20 39	20 45	15 59	15 44	2 28
T 7	18 13	23 49	4 41	24 28	2 8	22 48	0 42	25 7	1 39	21 36	0 43	0 41	2 43	19 13	0 38	5 23	1 24	26 0	6 21	20 40	20 45	16 2	15 43	2 28
F 8	18 29	20 29	5 8	24 23	2 0	23 1	0 45	25 9	1 42	21 34	0 43	0 40	2 43	19 13	0 38	5 23	1 24	26 1	6 21	20 40	20 44	16 5	15 42	2 28
S 9	18 44	16 16	5 17	24 16	1 50	23 13	0 47	25 11	1 45	21 33	0 43	0 40	2 43	19 13	0 38	5 23	1 24	26 1	6 22	20 40	20 44	16 7	15 41	2 28
S 10	19 0	11 27	5 12	24 6	1 38	23 25	0 49	25 14	1 48	21 31	0 43	0 39	2 43	19 13	0 38	5 24	1 24	26 1	6 22	20 39	20 43	16 10	15 40	2 28
M11	19 14	6 17	4 52	23 53	1 26	23 36	0 52	25 16	1 51	21 29	0 43	0 38	2 43	19 13	0 38	5 24	1 24	26 2	6 22	20 39	20 42	16 13	15 39	2 28
T 12	19 29	0 58	4 19	23 37	1 11	23 46	0 54	25 18	1 54	21 27	0 43	0 37	2 42	19 13	0 38	5 24	1 24	26 2	6 22	20 39	20 42	16 15	15 38	2 28
W13	19 43	4s20	3 35	23 18	0 56	23 55	0 56	25 20	1 57	21 25	0 43	0 37	2 42	19 13	0 38	5 24	1 24	26 2	6 22	20 39	20 41	16 18	15 37	2 28
T 14	19 56	9 26	2 42	22 57	0 38	24 4	0 58	25 22	2 0	21 22	0 43	0 36	2 42	19 14	0 38	5 24	1 24	26 3	6 23	20 39	20 40	16 21	15 37	2 28
F 15	20 10	14 12	1 43	22 32	0 20	24 12	1 0	25 24	2 2	21 20	0 43	0 36	2 42	19 14	0 38	5 24	1 24	26 3	6 23	20 39	20 40	16 23	15 36	2 29
S 16	20 23	18 26	0 39	22 5	0 1	24 19	1 3	25 26	2 5	21 18	0 43	0 35	2 41	19 14	0 38	5 24	1 24	26 3	6 23	20 39	20 39	16 26	15 35	2 29
S 17	20 35	21 57	0s26	21 36	0n20	24 26	1 5	25 28	2 8	21 16	0 43	0 34	2 41	19 14	0 38	5 24	1 24	26 4	6 23	20 39	20 38	16 29	15 34	2 29
M18	20 47	24 34	1 31	21 4	0 40	24 32	1 7	25 29	2 11	21 14	0 43	0 34	2 41	19 14	0 38	5 24	1 24	26 4	6 24	20 39	20 38	16 31	15 33	2 29
T 19	20 59	26 5	2 32	20 31	1 0	24 37	1 9	25 31	2 13	21 11	0 43	0 34	2 41	19 15	0 39	5 24	1 24	26 5	6 24	20 39	20 37	16 34	15 32	2 29
W20	21 10	26 23	3 28	19 57	1 20	24 41	1 11	25 32	2 16	21 9	0 43	0 33	2 40	19 15	0 39	5 25	1 24	26 5	6 24	20 39	20 37	16 37	15 31	2 29
T 21	21 21	25 23	4 14	19 24	1 38	24 44	1 13	25 33	2 19	21 7	0 43	0 33	2 40	19 15	0 39	5 25	1 23	26 5	6 24	20 39	20 36	16 39	15 30	2 29
F 22	21 32	23 8	4 49	18 52	1 55	24 47	1 15	25 34	2 21	21 5	0 43	0 33	2 40	19 15	0 39	5 25	1 23	26 6	6 25	20 39	20 35	16 42	15 29	2 29
S 23	21 42	19 42	5 11	18 22	2 10	24 49	1 16	25 35	2 24	21 2	0 43	0 32	2 40	19 16	0 39	5 25	1 23	26 6	6 25	20 38	20 35	16 44	15 28	2 29
S 24	21 52	15 14	5 18	17 56	2 23	24 50	1 18	25 36	2 26	21 0	0 43	0 32	2 39	19 16	0 39	5 24	1 23	26 6	6 25	20 38	20 34	16 47	15 28	2 29
M25	22 1	9 55	5 7	17 33	2 33	24 51	1 20	25 37	2 29	20 57	0 43	0 32	2 39	19 16	0 39	5 24	1 23	26 7	6 25	20 38	20 33	16 50	15 27	2 29
T 26	22 10	3 59	4 39	17 14	2 41	24 50	1 22	25 37	2 31	20 55	0 43	0 32	2 39	19 16	0 39	5 24	1 23	26 7	6 25	20 39	20 33	16 52	15 26	2 29
W27	22 18	2n20	3 53	17 0	2 47	24 49	1 23	25 37	2 33	20 52	0 43	0 32	2 39	19 17	0 39	5 24	1 23	26 8	6 26	20 39	20 32	16 55	15 25	2 29
T 28	22 26	8 42	2 51	16 50	2 51	24 47	1 25	25 38	2 36	20 50	0 43	0 32	2 38	19 17	0 39	5 24	1 23	26 8	6 26	20 39	20 31	16 58	15 24	2 29
F 29	22 34	14 43	1 36	16 44	2 53	24 45	1 26	25 38	2 38	20 47	0 43	0 32	2 38	19 17	0 39	5 24	1 23	26 8	6 26	20 39	20 31	17 0	15 23	2 29
S 30	22s41	19n55	0s14	16s43	2n53	24s42	1s28	25n37	2n40	20s45	0s43	0n32	2s38	19n18	0n39	5s24	1s23	26n 9	6n26	20n39	20n30	17s 3	15n23	2s29

Julian Day Number = 2160392.5, Delta T = 13m16s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'29, Lahiri = 12°44'30 Julian Calendar 1 Nov. 1202 == Greg. Calendar 8 Nov. 1202

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ASTRODIENST EPHEMERIS for the year 1202
geocentric

DECEMBER 1202 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 27	15♐54'54	14♊38	26♏52	10♑22	17°R17	1♒ 6	7°R24	6°R43	19♓37	1°R39	2°R 0	1♊12	20♏40	19°R47	S 1
M 2	5 9 23	16°56'02	29°39	27° 5	11°36	16♊54	1°18	7♈23	6♌42	19°38	1♌38	1♊59	1° 9	20°47	19♉44	M 2
T 3	5 13 20	17°57'10	14♋24	27°27	12°51	16°30	1°30	7°D23	6°40	19°38	1°37	1°57	1° 6	20°54	19°41	T 3
W 4	5 17 17	18°58'19	28°47	27°56	14° 6	16° 7	1°42	7°23	6°39	19°38	1°36	1°54	1° 3	21° 0	19°38	W 4
T 5	5 21 13	19°59'28	12♌44	28°32	15°20	15°43	1°55	7°23	6°37	19°39	1°35	1°52	0°59	21° 7	19°36	T 5
F 6	5 25 10	21° 0'38	26°13	29°14	16°35	15°20	2° 7	7°24	6°36	19°39	1°34	1°50	0°56	21°14	19°33	F 6
S 7	5 29 6	22° 1'48	9♍15	0♐ 1	17°50	14°58	2°20	7°24	6°34	19°39	1°33	1°48	0°53	21°20	19°30	S 7
S 8	5 33 3	23° 2'59	21°53	0°53	19° 4	14°35	2°32	7°24	6°33	19°40	1°32	1°D48	0°50	21°27	19°28	S 8
M 9	5 36 59	24° 4'10	4♎11	1°50	20°19	14°13	2°45	7°25	6°31	19°40	1°31	1°48	0°47	21°33	19°25	M 9
T 10	5 40 56	25° 5'22	16°15	2°50	21°33	13°52	2°58	7°26	6°29	19°41	1°30	1°49	0°44	21°40	19°23	T 10
W11	5 44 52	26° 6'34	28° 8	3°54	22°48	13°31	3°11	7°27	6°27	19°41	1°29	1°51	0°40	21°47	19°20	W11
T 12	5 48 49	27° 7'47	9♏55	5° 0	24° 2	13°10	3°23	7°27	6°26	19°42	1°28	1°53	0°37	21°53	19°18	T 12
F 13	5 52 46	28° 8'59	21°42	6° 9	25°17	12°50	3°36	7°28	6°24	19°43	1°26	1°54	0°34	22° 0	19°15	F 13
S 14	5 56 42	29°10'13	3♐30	7°21	26°31	12°30	3°49	7°30	6°22	19°43	1°25	1°R55	0°31	22° 7	19°13	S 14
S 15	6 0 39	0♑11'26	15°24	8°34	27°46	12°11	4° 2	7°31	6°20	19°44	1°24	1°54	0°28	22°13	19°11	S 15
M16	6 4 35	1°12'39	27°26	9°49	29° 0	11°53	4°16	7°32	6°18	19°45	1°23	1°51	0°25	22°20	19° 8	M16
T 17	6 8 32	2°13'53	9♑38	11° 6	0♒15	11°36	4°29	7°34	6°16	19°46	1°22	1°47	0°21	22°27	19° 6	T 17
W18	6 12 28	3°15'06	22° 0	12°25	1°29	11°19	4°42	7°35	6°14	19°46	1°21	1°42	0°18	22°33	19° 4	W18
T 19	6 16 25	4°16'19	4♒34	13°44	2°44	11° 2	4°55	7°37	6°12	19°47	1°19	1°36	0°15	22°40	19° 2	T 19
F 20	6 20 21	5°17'31	17°20	15° 5	3°58	10°47	5° 9	7°39	6°10	19°48	1°18	1°30	0°12	22°47	19° 0	F 20
S 21	6 24 18	6°18'44	0♓19	16°27	5°12	10°32	5°22	7°41	6° 8	19°49	1°17	1°25	0° 9	22°53	18°58	S 21
S 22	6 28 15	7°19'55	13°32	17°50	6°27	10°18	5°36	7°43	6° 5	19°50	1°16	1°21	0° 5	23° 0	18°56	S 22
M23	6 32 11	8°21'06	27° 0	19°14	7°41	10° 5	5°49	7°45	6° 3	19°51	1°14	1°19	0° 2	23° 7	18°54	M23
T 24	6 36 8	9°22'16	10♈43	20°39	8°55	9°53	6° 3	7°47	6° 1	19°52	1°13	1°D18	29♉59	23°13	18°53	T 24
W25	6 40 4	10°23'26	24°43	22° 4	10° 9	9°41	6°16	7°49	5°59	19°53	1°12	1°19	29°56	23°20	18°51	W25
T 26	6 44 1	11°24'35	8♉58	23°31	11°23	9°30	6°30	7°52	5°56	19°54	1°11	1°20	29°53	23°26	18°49	T 26
F 27	6 47 57	12°25'43	23°27	24°58	12°37	9°20	6°44	7°54	5°54	19°55	1° 9	1°22	29°50	23°33	18°48	F 27
S 28	6 51 54	13°26'51	8♊ 7	26°25	13°52	9°11	6°57	7°57	5°52	19°56	1° 8	1°R22	29°46	23°40	18°46	S 28
S 29	6 55 50	14°27'58	22°53	27°54	15° 6	9° 3	7°11	8° 0	5°49	19°57	1° 7	1°20	29°43	23°46	18°45	S 29
M30	6 59 47	15°29'04	7♋38	29°23	16°20	8°55	7°25	8° 3	5°47	19°59	1° 5	1°16	29°40	23°53	18°43	M30
T 31	7 3 44	16♑30'10	22♋14	0♑52	17♒33	8♊49	7♒39	8♈ 5	5♌44	20♓ 0	1♌ 4	1♊10	29♉37	24♏ 0	18♉42	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s48	23n48	1n10	16s45	2n52	24s37	1s29	25n37	2n42	20s42	0s43	0n32	2s37	19n18	0n39	5s24	1s23	26n 9	6n26	20n39	20n29	17s 5	15n22	2s29
M 2	22 54	26 0	2 27	16 50	2 50	24 32	1 31	25 37	2 44	20 39	0 43	0 32	2 37	19 19	0 39	5 24	1 23	26 10	6 27	20 39	20 29	17 8	15 21	2 29
T 3	23 0	26 18	3 34	16 59	2 46	24 27	1 32	25 36	2 46	20 37	0 43	0 33	2 37	19 19	0 39	5 24	1 23	26 10	6 27	20 38	20 28	17 11	15 20	2 29
W 4	23 5	24 49	4 25	17 10	2 41	24 20	1 33	25 36	2 47	20 34	0 43	0 33	2 37	19 19	0 39	5 23	1 23	26 10	6 27	20 38	20 27	17 13	15 19	2 29
T 5	23 10	21 50	4 59	17 23	2 36	24 13	1 34	25 35	2 49	20 31	0 43	0 33	2 36	19 20	0 39	5 23	1 23	26 11	6 27	20 38	20 27	17 16	15 19	2 29
F 6	23 14	17 45	5 15	17 38	2 30	24 5	1 36	25 34	2 51	20 28	0 43	0 33	2 36	19 20	0 39	5 23	1 23	26 11	6 27	20 37	20 26	17 18	15 18	2 29
S 7	23 18	12 58	5 13	17 55	2 23	23 57	1 37	25 33	2 52	20 25	0 43	0 34	2 36	19 21	0 39	5 23	1 23	26 12	6 28	20 37	20 25	17 21	15 17	2 29
S 8	23 22	7 47	4 57	18 12	2 16	23 48	1 38	25 32	2 54	20 22	0 43	0 34	2 36	19 21	0 39	5 23	1 23	26 12	6 28	20 37	20 25	17 23	15 17	2 29
M 9	23 25	2 25	4 27	18 31	2 9	23 37	1 39	25 30	2 55	20 20	0 43	0 35	2 35	19 22	0 39	5 22	1 23	26 12	6 28	20 37	20 24	17 26	15 16	2 29
T 10	23 27	2s56	3 46	18 50	2 1	23 27	1 39	25 29	2 56	20 17	0 43	0 35	2 35	19 22	0 39	5 22	1 23	26 13	6 28	20 37	20 24	17 29	15 15	2 29
W11	23 29	8 7	2 56	19 10	1 53	23 15	1 40	25 27	2 58	20 14	0 43	0 36	2 35	19 22	0 39	5 22	1 23	26 13	6 28	20 37	20 23	17 31	15 15	2 29
T 12	23 31	12 59	1 58	19 30	1 45	23 3	1 41	25 26	2 59	20 11	0 43	0 37	2 34	19 23	0 39	5 22	1 23	26 14	6 29	20 38	20 22	17 34	15 14	2 29
F 13	23 32	17 22	0 56	19 50	1 37	22 50	1 42	25 24	3 0	20 8	0 43	0 37	2 34	19 23	0 39	5 21	1 23	26 14	6 29	20 38	20 22	17 36	15 13	2 29
S 14	23 32	21 5	0s 9	20 11	1 28	22 37	1 42	25 23	3 1	20 5	0 43	0 38	2 34	19 24	0 39	5 21	1 23	26 15	6 29	20 38	20 21	17 39	15 13	2 29
S 15	23 33	23 58	1 14	20 31	1 20	22 22	1 43	25 21	3 1	20 2	0 43	0 39	2 34	19 24	0 39	5 21	1 23	26 15	6 29	20 38	20 20	17 41	15 12	2 29
M16	23 32	25 47	2 16	20 50	1 12	22 8	1 43	25 19	3 2	19 58	0 43	0 39	2 33	19 25	0 39	5 20	1 22	26 15	6 29	20 37	20 20	17 44	15 11	2 29
T 17	23 32	26 23	3 12	21 10	1 3	21 52	1 43	25 17	3 3	19 55	0 43	0 40	2 33	19 26	0 39	5 20	1 22	26 16	6 29	20 37	20 19	17 47	15 11	2 29
W18	23 30	25 42	4 0	21 28	0 55	21 36	1 44	25 16	3 3	19 52	0 43	0 41	2 33	19 26	0 39	5 20	1 22	26 16	6 30	20 36	20 18	17 49	15 10	2 29
T 19	23 28	23 42	4 38	21 47	0 47	21 19	1 44	25 14	3 4	19 49	0 43	0 42	2 32	19 27	0 40	5 19	1 22	26 17	6 30	20 34	20 18	17 52	15 10	2 29
F 20	23 26	20 30	5 2	22 4	0 38	21 2	1 44	25 12	3 4	19 46	0 43	0 43	2 32	19 27	0 40	5 19	1 22	26 17	6 30	20 33	20 17	17 54	15 9	2 29
S 21	23 24	16 15	5 12	22 21	0 30	20 44	1 44	25 10	3 5	19 42	0 43	0 44	2 32	19 28	0 40	5 19	1 22	26 18	6 30	20 32	20 16	17 57	15 9	2 29
S 22	23 20	11 11	5 5	22 37	0 22	20 25	1 44	25 9	3 5	19 39	0 43	0 45	2 32	19 28	0 40	5 18	1 22	26 18	6 30	20 31	20 15	17 59	15 8	2 29
M23	23 17	5 29	4 41	22 52	0 14	20 6	1 44	25 7	3 5	19 36	0 43	0 46	2 31	19 29	0 40	5 18	1 22	26 19	6 30	20 31	20 15	18 2	15 8	2 29
T 24	23 13	0n34	4 1	23 6	0 7	19 46	1 44	25 5	3 6	19 32	0 43	0 47	2 31	19 29	0 40	5 17	1 22	26 19	6 31	20 31	20 14	18 4	15 7	2 29
W25	23 8	6 44	3 6	23 19	0s 1	19 26	1 43	25 4	3 6	19 29	0 43	0 48	2 31	19 30	0 40	5 17	1 22	26 19	6 31	20 31	20 13	18 7	15 7	2 29
T 26	23 3	12 40	1 59	23 32	0 9	19 5	1 43	25 2	3 6	19 26	0 43	0 50	2 31	19 31	0 40	5 16	1 22	26 20	6 31	20 31	20 13	18 9	15 7	2 29
F 27	22 58	18 2	0 43	23 43	0 16	18 44	1 43	25 0	3 6	19 22	0 43	0 51	2 30	19 31	0 40	5 16	1 22	26 20	6 31	20 31	20 12	18 12	15 6	2 29
S 28	22 52	22 22	0n37	23 53	0 23	18 22	1 42	24 59	3 6	19 19	0 43	0 52	2 30	19 32	0 40	5 15	1 22	26 21	6 31	20 31	20 11	18 14	15 6	2 29
S 29	22 45	25 15	1 54	24 2	0 30	18 0	1 42	24 58	3 6	19 15	0 43	0 54	2 30	19 32	0 40	5 15	1 22	26 21	6 31	20 31	20 11	18 17	15 5	2 29
M30	22 38	26 23	3 4	24 10	0 37	17 37	1 41	24 56	3 6	19 12	0 43	0 55	2 30	19 33	0 40	5 14	1 22	26 22	6 31	20 30	20 10	18 19	15 5	2 29
T 31	22s31	25n39	4n 0	24s16	0s44	17s14	1s40	24n55	3n 5	19s 8	0s43	0n56	2s29	19n34	0n40	5s14	1s22	26n22	6n31	20n29	20n 9	18s22	15n 5	2s29

Julian Day Number = 2160422.5, Delta T = 13m16s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'33, Lahiri = 12°44'34 Julian Calendar 1 Dec. 1202 == Greg. Calendar 8 Dec. 1202

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

JANUARY 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 7 40	17♉31'15	6♌34	2♉23	18♒47	8°R43	7♒53	8♈ 9	5°R42	20♓ 1	1°R 3	1°R 2	29♉34	24♏ 6	18°R40	W 1
T 2	7 11 37	18°32'19	20°33	3°54	20° 1	8♊38	8° 7	8°12	5♌40	20° 2	1♌ 1	0♊54	29°31	24°13	18♉39	T 2
F 3	7 15 33	19°33'23	4♍ 7	5°25	21°15	8°33	8°21	8°15	5°37	20° 4	1° 0	0°46	29°27	24°20	18°38	F 3
S 4	7 19 30	20°34'26	17°15	6°57	22°29	8°30	8°35	8°18	5°35	20° 5	0°58	0°39	29°24	24°26	18°37	S 4
S 5	7 23 26	21°35'28	29°58	8°30	23°43	8°27	8°49	8°22	5°32	20° 6	0°57	0°35	29°21	24°33	18°36	S 5
M 6	7 27 23	22°36'30	12♎20	10° 3	24°56	8°25	9° 3	8°25	5°30	20° 8	0°56	0°32	29°18	24°40	18°35	M 6
T 7	7 31 19	23°37'32	24°25	11°37	26°10	8°24	9°17	8°29	5°27	20° 9	0°54	0°D31	29°15	24°46	18°34	T 7
W 8	7 35 16	24°38'32	6♏19	13°11	27°24	8°D24	9°31	8°33	5°24	20°11	0°53	0°32	29°11	24°53	18°33	W 8
T 9	7 39 13	25°39'33	18° 7	14°47	28°37	8°24	9°45	8°36	5°22	20°12	0°52	0°33	29° 8	25° 0	18°32	T 9
F 10	7 43 9	26°40'32	29°53	16°22	29°51	8°25	9°59	8°40	5°19	20°14	0°50	0°R34	29° 5	25° 6	18°32	F 10
S 11	7 47 6	27°41'31	11♐44	17°59	1♓ 4	8°27	10°13	8°44	5°17	20°15	0°49	0°33	29° 2	25°13	18°31	S 11
S 12	7 51 2	28°42'29	23°44	19°36	2°17	8°30	10°28	8°48	5°14	20°17	0°47	0°30	28°59	25°19	18°31	S 12
M13	7 54 59	29°43'26	5♉55	21°14	3°31	8°33	10°42	8°53	5°11	20°18	0°46	0°25	28°56	25°26	18°30	M13
T 14	7 58 55	0♒44'22	18°19	22°52	4°44	8°37	10°56	8°57	5° 9	20°20	0°44	0°17	28°52	25°33	18°30	T 14
W15	8 2 52	1°45'17	0♒59	24°32	5°57	8°42	11°10	9° 1	5° 6	20°21	0°43	0° 6	28°49	25°39	18°29	W15
T 16	8 6 49	2°46'11	13°54	26°12	7°10	8°47	11°25	9° 6	5° 4	20°23	0°42	29♉55	28°46	25°46	18°29	T 16
F 17	8 10 45	3°47'03	27° 3	27°52	8°24	8°53	11°39	9°10	5° 1	20°25	0°40	29°43	28°43	25°53	18°29	F 17
S 18	8 14 42	4°47'54	10♓24	29°34	9°37	9° 0	11°53	9°15	4°58	20°27	0°39	29°32	28°40	25°59	18°29	S 18
S 19	8 18 38	5°48'44	23°57	1♒16	10°50	9° 7	12° 8	9°20	4°56	20°28	0°37	29°24	28°37	26° 6	18°28	S 19
M20	8 22 35	6°49'32	7♈38	2°59	12° 2	9°16	12°22	9°24	4°53	20°30	0°36	29°18	28°33	26°13	18°D28	M20
T 21	8 26 31	7°50'18	21°27	4°43	13°15	9°24	12°36	9°29	4°50	20°32	0°35	29°14	28°30	26°19	18°29	T 21
W22	8 30 28	8°51'03	5♉24	6°27	14°28	9°34	12°51	9°34	4°48	20°34	0°33	29°D13	28°27	26°26	18°29	W22
T 23	8 34 24	9°51'46	19°28	8°13	15°41	9°44	13° 5	9°39	4°45	20°35	0°32	29°13	28°24	26°33	18°29	T 23
F 24	8 38 21	10°52'28	3♊39	9°59	16°53	9°54	13°19	9°44	4°43	20°37	0°31	29°R13	28°21	26°39	18°29	F 24
S 25	8 42 18	11°53'08	17°54	11°46	18° 6	10° 5	13°34	9°50	4°40	20°39	0°29	29°12	28°17	26°46	18°29	S 25
S 26	8 46 14	12°53'46	2♋13	13°34	19°18	10°17	13°48	9°55	4°37	20°41	0°28	29° 9	28°14	26°52	18°30	S 26
M27	8 50 11	13°54'22	16°30	15°22	20°31	10°29	14° 3	10° 0	4°35	20°43	0°26	29° 2	28°11	26°59	18°30	M27
T 28	8 54 7	14°54'57	0♌43	17°12	21°43	10°42	14°17	10° 6	4°32	20°45	0°25	28°53	28° 8	27° 6	18°31	T 28
W29	8 58 4	15°55'30	14°44	19° 2	22°55	10°55	14°31	10°11	4°30	20°47	0°24	28°41	28° 5	27°12	18°31	W29
T 30	9 2 0	16°56'02	28°30	20°52	24° 7	11° 9	14°46	10°17	4°27	20°49	0°22	28°29	28° 2	27°19	18°32	T 30
F 31	9 5 57	17♒56'32	11♍56	22♒44	25♓19	11♊23	15♒ 0	10♈22	4♌25	20♓51	0♌21	28♉16	27♉58	27♏26	18♉33	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	22s23	23n14	4n41	24s21	0s50	16s50	1s39	24n54	3n 5	19s 5	0s44	0n58	2s29	19n34	0n40	5s13	1s22	26n22	6n32	20n27	20n 9	18s24	15n 4	2s29
T 2	22 15	19 29	5 3	24 26	0 56	16 26	1 38	24 53	3 5	19 1	0 44	0 59	2 29	19 35	0 40	5 13	1 22	26 23	6 32	20 26	20 8	18 27	15 4	2 29
F 3	22 7	14 48	5 7	24 28	1 2	16 1	1 37	24 52	3 5	18 58	0 44	1 1	2 28	19 36	0 40	5 12	1 22	26 23	6 32	20 24	20 7	18 29	15 4	2 28
S 4	21 58	9 35	4 55	24 30	1 8	15 36	1 36	24 51	3 4	18 54	0 44	1 2	2 28	19 36	0 40	5 12	1 22	26 24	6 32	20 23	20 7	18 32	15 4	2 28
S 5	21 48	4 7	4 29	24 30	1 14	15 10	1 35	24 50	3 4	18 50	0 44	1 4	2 28	19 37	0 40	5 11	1 22	26 24	6 32	20 22	20 6	18 34	15 3	2 28
M 6	21 38	1s22	3 50	24 29	1 19	14 44	1 34	24 49	3 3	18 47	0 44	1 6	2 28	19 37	0 40	5 11	1 22	26 25	6 32	20 21	20 5	18 37	15 3	2 28
T 7	21 28	6 41	3 2	24 26	1 24	14 18	1 33	24 49	3 3	18 43	0 44	1 7	2 27	19 38	0 40	5 10	1 22	26 25	6 32	20 21	20 5	18 39	15 3	2 28
W 8	21 17	11 41	2 7	24 22	1 29	13 51	1 31	24 48	3 2	18 39	0 44	1 9	2 27	19 39	0 40	5 9	1 22	26 25	6 32	20 21	20 4	18 42	15 3	2 28
T 9	21 6	16 14	1 7	24 16	1 34	13 24	1 30	24 48	3 2	18 35	0 44	1 11	2 27	19 39	0 40	5 9	1 22	26 26	6 32	20 21	20 3	18 44	15 3	2 28
F 10	20 55	20 9	0 4	24 9	1 38	12 57	1 28	24 47	3 1	18 32	0 44	1 12	2 27	19 40	0 40	5 8	1 22	26 26	6 33	20 21	20 3	18 47	15 3	2 28
S 11	20 43	23 17	1s 0	24 1	1 42	12 29	1 27	24 47	3 1	18 28	0 44	1 14	2 26	19 41	0 40	5 8	1 22	26 27	6 33	20 21	20 2	18 49	15 2	2 28
S 12	20 31	25 24	2 1	23 51	1 46	12 1	1 25	24 47	3 0	18 24	0 44	1 16	2 26	19 41	0 40	5 7	1 22	26 27	6 33	20 21	20 1	18 52	15 2	2 28
M13	20 18	26 22	2 57	23 39	1 49	11 33	1 23	24 47	2 59	18 20	0 44	1 18	2 26	19 42	0 40	5 6	1 21	26 27	6 33	20 20	20 0	18 54	15 2	2 28
T 14	20 5	26 1	3 47	23 26	1 52	11 4	1 21	24 47	2 59	18 16	0 44	1 20	2 26	19 43	0 40	5 6	1 21	26 28	6 33	20 18	20 0	18 56	15 2	2 28
W15	19 51	24 20	4 25	23 12	1 55	10 36	1 19	24 47	2 58	18 12	0 44	1 22	2 26	19 43	0 40	5 5	1 21	26 28	6 33	20 16	19 59	18 59	15 2	2 28
T 16	19 38	21 22	4 51	22 55	1 57	10 6	1 17	24 47	2 58	18 8	0 44	1 24	2 25	19 44	0 40	5 4	1 21	26 29	6 33	20 13	19 58	19 1	15 2	2 28
F 17	19 23	17 17	5 3	22 38	1 59	9 37	1 15	24 47	2 57	18 5	0 44	1 26	2 25	19 45	0 40	5 4	1 21	26 29	6 33	20 11	19 58	19 4	15 2	2 28
S 18	19 9	12 17	4 58	22 18	2 1	9 7	1 13	24 48	2 56	18 1	0 44	1 28	2 25	19 45	0 40	5 3	1 21	26 29	6 33	20 8	19 57	19 6	15 2	2 28
S 19	18 54	6 38	4 36	21 57	2 2	8 38	1 11	24 48	2 55	17 57	0 44	1 30	2 25	19 46	0 40	5 2	1 21	26 30	6 33	20 7	19 56	19 9	15 2	2 27
M20	18 39	0 36	3 58	21 35	2 3	8 8	1 8	24 49	2 55	17 53	0 45	1 32	2 24	19 47	0 40	5 2	1 21	26 30	6 33	20 5	19 56	19 11	15 2	2 27
T 21	18 23	5n31	3 7	21 10	2 4	7 37	1 6	24 49	2 54	17 49	0 45	1 34	2 24	19 47	0 40	5 1	1 21	26 30	6 33	20 5	19 55	19 13	15 2	2 27
W22	18 7	11 27	2 3	20 44	2 4	7 7	1 3	24 50	2 53	17 45	0 45	1 36	2 24	19 48	0 40	5 0	1 21	26 31	6 33	20 4	19 54	19 16	15 3	2 27
T 23	17 51	16 51	0 52	20 17	2 4	6 36	1 1	24 51	2 52	17 41	0 45	1 38	2 24	19 48	0 40	4 59	1 21	26 31	6 33	20 4	19 53	19 18	15 3	2 27
F 24	17 35	21 21	0n23	19 48	2 3	6 6	0 58	24 52	2 52	17 37	0 45	1 41	2 23	19 49	0 40	4 59	1 21	26 31	6 33	20 4	19 53	19 21	15 3	2 27
S 25	17 18	24 36	1 37	19 17	2 2	5 35	0 56	24 53	2 51	17 32	0 45	1 43	2 23	19 50	0 40	4 58	1 21	26 32	6 33	20 4	19 52	19 23	15 3	2 27
S 26	17 1	26 17	2 45	18 44	2 0	5 4	0 53	24 53	2 50	17 28	0 45	1 45	2 23	19 50	0 40	4 57	1 21	26 32	6 34	20 3	19 51	19 25	15 3	2 27
M27	16 44	26 12	3 43	18 10	1 58	4 32	0 50	24 54	2 49	17 24	0 45	1 47	2 23	19 51	0 40	4 56	1 21	26 33	6 34	20 2	19 51	19 28	15 3	2 27
T 28	16 26	24 24	4 26	17 34	1 55	4 1	0 47	24 56	2 48	17 20	0 45	1 50	2 23	19 52	0 40	4 56	1 21	26 33	6 34	20 0	19 50	19 30	15 4	2 27
W29	16 8	21 8	4 52	16 57	1 51	3 30	0 44	24 57	2 48	17 16	0 45	1 52	2 22	19 52	0 40	4 55	1 21	26 33	6 34	19 57	19 49	19 33	15 4	2 27
T 30	15 50	16 45	5 1	16 18	1 47	2 58	0 41	24 58	2 47	17 12	0 45	1 54	2 22	19 53	0 40	4 54	1 21	26 34	6 34	19 54	19 48	19 35	15 4	2 27
F 31	15s31	11n37	4n52	15s37	1s43	2s27	0s38	24n59	2n46	17s 8	0s45	1n57	2s22	19n53	0n40	4s53	1s21	26n34	6n34	19n52	19n48	19s37	15n 4	2s27

Julian Day Number = 2160453.5, Delta T = 13m15s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'37, Lahiri = 12°44'38 Julian Calendar 1 Jan. 1203 == Greg. Calendar 8 Jan. 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

FEBRUARY 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 9 53	18♒57'00	25♍ 0	24♒35	26♓31	11♊38	15♒14	10♈28	4°R22	20♓53	0°R20	28°R 5	27♉55	27♏32	18♉34	S 1
S 2	9 13 50	19°57'27	7♎43	26°28	27°43	11°53	15°29	10°34	4♌20	20°55	0♌18	27♉57	27°52	27°39	18°35	S 2
M 3	9 17 47	20°57'52	20° 7	28°20	28°55	12° 9	15°43	10°39	4°17	20°57	0°17	27°51	27°49	27°46	18°35	M 3
T 4	9 21 43	21°58'16	2♏14	0♓13	0♈ 7	12°25	15°58	10°45	4°15	20°59	0°16	27°47	27°46	27°52	18°36	T 4
W 5	9 25 40	22°58'39	14° 9	2° 5	1°18	12°41	16°12	10°51	4°12	21° 1	0°14	27°46	27°43	27°59	18°38	W 5
T 6	9 29 36	23°59'00	25°58	3°58	2°30	12°58	16°26	10°57	4°10	21° 3	0°13	27°46	27°39	28° 6	18°39	T 6
F 7	9 33 33	24°59'20	7♐45	5°49	3°41	13°16	16°41	11° 3	4° 7	21° 5	0°12	27°46	27°36	28°12	18°40	F 7
S 8	9 37 29	25°59'38	19°38	7°40	4°52	13°34	16°55	11° 9	4° 5	21° 7	0°11	27°44	27°33	28°19	18°41	S 8
S 9	9 41 26	26°59'55	1♑40	9°30	6° 3	13°52	17° 9	11°16	4° 3	21° 9	0° 9	27°41	27°30	28°26	18°43	S 9
M10	9 45 22	28° 0'10	13°57	11°19	7°14	14°11	17°23	11°22	4° 0	21°11	0° 8	27°35	27°27	28°32	18°44	M10
T 11	9 49 19	29° 0'23	26°31	13° 5	8°25	14°30	17°38	11°28	3°58	21°13	0° 7	27°26	27°23	28°39	18°45	T 11
W12	9 53 16	0♓ 0'35	9♒25	14°49	9°36	14°49	17°52	11°35	3°56	21°15	0° 6	27°14	27°20	28°45	18°47	W12
T 13	9 57 12	1° 0'45	22°39	16°30	10°47	15° 9	18° 6	11°41	3°53	21°18	0° 5	27° 2	27°17	28°52	18°49	T 13
F 14	10 1 9	2° 0'53	6♓11	18° 8	11°58	15°29	18°20	11°48	3°51	21°20	0° 3	26°48	27°14	28°59	18°50	F 14
S 15	10 5 5	3° 0'59	19°58	19°42	13° 8	15°50	18°34	11°54	3°49	21°22	0° 2	26°36	27°11	29° 5	18°52	S 15
S 16	10 9 2	4° 1'03	3♈56	21°12	14°18	16°11	18°49	12° 1	3°47	21°24	0° 1	26°26	27° 8	29°12	18°54	S 16
M17	10 12 58	5° 1'05	18° 2	22°36	15°29	16°32	19° 3	12° 7	3°45	21°26	0° 0	26°19	27° 4	29°19	18°56	M17
T 18	10 16 55	6° 1'05	2♉11	23°55	16°39	16°53	19°17	12°14	3°42	21°28	29♋59	26°15	27° 1	29°25	18°58	T 18
W19	10 20 51	7° 1'03	16°20	25° 7	17°49	17°15	19°31	12°21	3°40	21°31	29°58	26°13	26°58	29°32	18°59	W19
T 20	10 24 48	8° 0'59	0♊27	26°14	18°59	17°37	19°45	12°27	3°38	21°33	29°57	26°13	26°55	29°39	19° 2	T 20
F 21	10 28 44	9° 0'52	14°33	27°13	20° 8	18° 0	19°59	12°34	3°36	21°35	29°56	26°13	26°52	29°45	19° 4	F 21
S 22	10 32 41	10° 0'43	28°34	28° 4	21°18	18°23	20°13	12°41	3°34	21°37	29°55	26°12	26°49	29°52	19° 6	S 22
S 23	10 36 38	11° 0'32	12♋32	28°48	22°27	18°46	20°27	12°48	3°32	21°40	29°54	26° 8	26°45	29°59	19° 8	S 23
M24	10 40 34	12° 0'18	26°24	29°23	23°37	19° 9	20°41	12°55	3°31	21°42	29°53	26° 2	26°42	0♐ 5	19°10	M24
T 25	10 44 31	13° 0'02	10♌ 9	29°50	24°46	19°33	20°55	13° 2	3°29	21°44	29°52	25°53	26°39	0°12	19°13	T 25
W26	10 48 27	13°59'44	23°44	0♈ 9	25°55	19°57	21° 9	13° 9	3°27	21°46	29°51	25°42	26°36	0°18	19°15	W26
T 27	10 52 24	14°59'24	7♍ 7	0°20	27° 3	20°21	21°22	13°16	3°25	21°49	29°50	25°30	26°33	0°25	19°17	T 27
F 28	10 56 20	15♓59'01	20♍14	0°R22	28♈12	20♊45	21♒36	13♈23	3♌23	21♓51	29♋49	25♉19	26♉29	0♐32	19♉20	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s12	6n 6	4n29	14s55	1s38	1s55	0s35	25n 0	2n45	17s 4	0s45	1n59	2s22	19n54	0n40	4s52	1s21	26n34	6n34	19n49	19n47	19s40	15n 5	2s26
S 2	14 53	0 29	3 52	14 12	1 32	1 24	0 32	25 2	2 44	16 59	0 45	2 2	2 22	19 55	0 40	4 52	1 21	26 34	6 34	19 47	19 46	19 42	15 5	2 26
M 3	14 34	5s 2	3 5	13 27	1 26	0 52	0 28	25 3	2 44	16 55	0 46	2 4	2 22	19 55	0 40	4 51	1 21	26 35	6 34	19 46	19 46	19 45	15 5	2 26
T 4	14 15	10 15	2 11	12 41	1 19	0 20	0 25	25 4	2 43	16 51	0 46	2 7	2 21	19 56	0 40	4 50	1 21	26 35	6 34	19 45	19 45	19 47	15 6	2 26
W 5	13 55	15 1	1 12	11 53	1 11	0n11	0 22	25 6	2 42	16 47	0 46	2 9	2 21	19 56	0 40	4 49	1 21	26 35	6 34	19 45	19 44	19 49	15 6	2 26
T 6	13 35	19 11	0 10	11 5	1 3	0 43	0 18	25 7	2 41	16 42	0 46	2 12	2 21	19 57	0 40	4 48	1 21	26 36	6 34	19 45	19 43	19 52	15 6	2 26
F 7	13 15	22 34	0s53	10 15	0 54	1 15	0 15	25 8	2 40	16 38	0 46	2 14	2 21	19 58	0 40	4 47	1 21	26 36	6 34	19 45	19 43	19 54	15 7	2 26
S 8	12 55	25 1	1 53	9 25	0 45	1 46	0 11	25 10	2 39	16 34	0 46	2 17	2 21	19 58	0 40	4 47	1 21	26 36	6 34	19 45	19 42	19 56	15 7	2 26
S 9	12 34	26 21	2 49	8 34	0 34	2 18	0 8	25 11	2 39	16 30	0 46	2 19	2 20	19 59	0 40	4 46	1 21	26 36	6 34	19 44	19 41	19 59	15 8	2 26
M10	12 13	26 26	3 38	7 43	0 23	2 49	0 4	25 13	2 38	16 25	0 46	2 22	2 20	19 59	0 40	4 45	1 21	26 37	6 34	19 42	19 41	20 1	15 8	2 26
T 11	11 52	25 10	4 18	6 52	0 12	3 21	0 0	25 14	2 37	16 21	0 46	2 24	2 20	20 0	0 40	4 44	1 21	26 37	6 34	19 40	19 40	20 3	15 9	2 26
W12	11 31	22 34	4 46	6 0	0 0	3 52	0n 3	25 16	2 36	16 17	0 46	2 27	2 20	20 0	0 40	4 43	1 21	26 37	6 34	19 38	19 39	20 6	15 9	2 26
T 13	11 10	18 44	4 59	5 9	0n12	4 24	0 7	25 17	2 35	16 13	0 47	2 30	2 20	20 1	0 40	4 42	1 21	26 37	6 34	19 35	19 38	20 8	15 10	2 26
F 14	10 48	13 52	4 56	4 19	0 25	4 55	0 11	25 18	2 34	16 8	0 47	2 32	2 20	20 1	0 40	4 41	1 21	26 38	6 34	19 32	19 38	20 10	15 10	2 26
S 15	10 27	8 13	4 36	3 30	0 39	5 26	0 15	25 20	2 34	16 4	0 47	2 35	2 20	20 2	0 40	4 41	1 21	26 38	6 34	19 29	19 37	20 13	15 11	2 25
S 16	10 5	2 5	3 59	2 42	0 52	5 57	0 19	25 21	2 33	16 0	0 47	2 38	2 19	20 2	0 40	4 40	1 21	26 38	6 34	19 27	19 36	20 15	15 11	2 25
M17	9 43	4n13	3 7	1 56	1 6	6 28	0 23	25 23	2 32	15 55	0 47	2 41	2 19	20 3	0 40	4 39	1 21	26 38	6 34	19 25	19 35	20 17	15 12	2 25
T 18	9 21	10 21	2 4	1 12	1 20	6 59	0 26	25 24	2 31	15 51	0 47	2 43	2 19	20 3	0 40	4 38	1 21	26 39	6 34	19 24	19 35	20 20	15 12	2 25
W19	8 58	15 58	0 52	0 30	1 34	7 29	0 30	25 25	2 30	15 47	0 47	2 46	2 19	20 4	0 40	4 37	1 21	26 39	6 33	19 23	19 34	20 22	15 13	2 25
T 20	8 36	20 42	0n22	0n 9	1 48	8 0	0 34	25 27	2 30	15 42	0 47	2 49	2 19	20 4	0 40	4 36	1 21	26 39	6 33	19 23	19 33	20 24	15 14	2 25
F 21	8 13	24 14	1 36	0 45	2 1	8 30	0 38	25 28	2 29	15 38	0 47	2 52	2 19	20 5	0 40	4 35	1 21	26 39	6 33	19 23	19 32	20 26	15 14	2 25
S 22	7 51	26 15	2 42	1 17	2 15	9 0	0 43	25 29	2 28	15 34	0 47	2 54	2 19	20 5	0 40	4 34	1 21	26 39	6 33	19 23	19 32	20 29	15 15	2 25
S 23	7 28	26 35	3 39	1 46	2 27	9 30	0 47	25 31	2 27	15 29	0 48	2 57	2 18	20 6	0 40	4 34	1 21	26 40	6 33	19 22	19 31	20 31	15 15	2 25
M24	7 5	25 16	4 23	2 11	2 39	9 59	0 51	25 32	2 26	15 25	0 48	3 0	2 18	20 6	0 40	4 33	1 21	26 40	6 33	19 21	19 30	20 33	15 16	2 25
T 25	6 42	22 26	4 51	2 32	2 51	10 29	0 55	25 33	2 26	15 21	0 48	3 3	2 18	20 6	0 40	4 32	1 21	26 40	6 33	19 19	19 30	20 36	15 17	2 25
W26	6 19	18 24	5 1	2 49	3 1	10 58	0 59	25 34	2 25	15 16	0 48	3 6	2 18	20 7	0 40	4 31	1 21	26 40	6 33	19 16	19 29	20 38	15 18	2 25
T 27	5 56	13 30	4 56	3 2	3 10	11 27	1 3	25 35	2 24	15 12	0 48	3 9	2 18	20 7	0 40	4 30	1 21	26 40	6 33	19 13	19 28	20 40	15 18	2 25
F 28	5s33	8n 5	4n34	3n10	3n18	11n56	1n 7	25n36	2n23	15s 8	0s48	3n11	2s18	20n 8	0n40	4s29	1s21	26n40	6n33	19n10	19n27	20s42	15n19	2s25

Julian Day Number = 2160484.5, Delta T = 13m15s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'42, Lahiri = 12°44'42 Julian Calendar 1 Feb. 1203 == Greg. Calendar 8 Feb. 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

MARCH 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 0 17	16♓58'37	3♎ 5	0°R16	29♈20	21♊10	21♒50	13♈30	3°R22	21♓53	29°R48	25°R 8	26♉26	0♐38	19♉22	S 1
S 2	11 4 13	17°58'10	15°40	0♈ 2	0♉29	21°35	22° 3	13°37	3♌20	21°55	29♋47	24♉59	26°23	0°45	19°25	S 2
M 3	11 8 10	18°57'42	27°58	29♓40	1°37	22° 0	22°17	13°45	3°18	21°58	29°46	24°53	26°20	0°52	19°28	M 3
T 4	11 12 7	19°57'11	10♏ 3	29°12	2°45	22°25	22°31	13°52	3°17	22° 0	29°46	24°50	26°17	0°58	19°30	T 4
W 5	11 16 3	20°56'39	21°57	28°38	3°53	22°51	22°44	13°59	3°15	22° 2	29°45	24°D49	26°14	1° 5	19°33	W 5
T 6	11 20 0	21°56'05	3♐46	27°58	5° 0	23°17	22°58	14° 7	3°14	22° 4	29°44	24°49	26°10	1°12	19°36	T 6
F 7	11 23 56	22°55'30	15°35	27°14	6° 8	23°43	23°11	14°14	3°12	22° 7	29°43	24°50	26° 7	1°18	19°39	F 7
S 8	11 27 53	23°54'52	27°27	26°27	7°15	24° 9	23°25	14°21	3°11	22° 9	29°42	24°R50	26° 4	1°25	19°42	S 8
S 9	11 31 49	24°54'13	9♑30	25°37	8°22	24°36	23°38	14°29	3°10	22°11	29°42	24°49	26° 1	1°32	19°45	S 9
M10	11 35 46	25°53'32	21°48	24°46	9°28	25° 2	23°51	14°36	3° 8	22°14	29°41	24°45	25°58	1°38	19°48	M10
T 11	11 39 42	26°52'49	4♒26	23°54	10°35	25°29	24° 4	14°43	3° 7	22°16	29°40	24°40	25°54	1°45	19°51	T 11
W12	11 43 39	27°52'04	17°26	23° 4	11°41	25°56	24°18	14°51	3° 6	22°18	29°40	24°32	25°51	1°51	19°54	W12
T 13	11 47 36	28°51'17	0♓50	22°15	12°48	26°24	24°31	14°58	3° 5	22°20	29°39	24°23	25°48	1°58	19°57	T 13
F 14	11 51 32	29°50'28	14°37	21°28	13°54	26°51	24°44	15° 6	3° 4	22°23	29°39	24°14	25°45	2° 5	20° 0	F 14
S 15	11 55 29	0♈49'37	28°45	20°45	14°59	27°19	24°57	15°13	3° 3	22°25	29°38	24° 5	25°42	2°11	20° 4	S 15
S 16	11 59 25	1°48'44	13♈ 7	20° 6	16° 5	27°47	25°10	15°21	3° 2	22°27	29°37	23°58	25°39	2°18	20° 7	S 16
M17	12 3 22	2°47'49	27°39	19°32	17°10	28°15	25°23	15°28	3° 1	22°29	29°37	23°53	25°35	2°25	20°10	M17
T 18	12 7 18	3°46'52	12♉14	19° 2	18°15	28°43	25°36	15°36	3° 0	22°32	29°36	23°50	25°32	2°31	20°14	T 18
W19	12 11 15	4°45'52	26°45	18°37	19°20	29°11	25°48	15°44	2°59	22°34	29°36	23°D50	25°29	2°38	20°17	W19
T 20	12 15 11	5°44'51	11♊10	18°18	20°24	29°40	26° 1	15°51	2°58	22°36	29°35	23°51	25°26	2°45	20°21	T 20
F 21	12 19 8	6°43'47	25°24	18° 4	21°29	0♋ 9	26°14	15°59	2°57	22°38	29°35	23°52	25°23	2°51	20°24	F 21
S 22	12 23 5	7°42'40	9♋26	17°56	22°32	0°37	26°26	16° 7	2°57	22°41	29°35	23°R52	25°20	2°58	20°28	S 22
S 23	12 27 1	8°41'31	23°15	17°D53	23°36	1° 6	26°39	16°14	2°56	22°43	29°34	23°51	25°16	3° 5	20°31	S 23
M24	12 30 58	9°40'20	6♌52	17°55	24°39	1°36	26°51	16°22	2°55	22°45	29°34	23°48	25°13	3°11	20°35	M24
T 25	12 34 54	10°39'07	20°16	18° 3	25°43	2° 5	27° 3	16°29	2°55	22°47	29°34	23°43	25°10	3°18	20°39	T 25
W26	12 38 51	11°37'51	3♍27	18°16	26°45	2°34	27°16	16°37	2°54	22°49	29°33	23°37	25° 7	3°25	20°42	W26
T 27	12 42 47	12°36'33	16°26	18°33	27°48	3° 4	27°28	16°45	2°54	22°51	29°33	23°30	25° 4	3°31	20°46	T 27
F 28	12 46 44	13°35'13	29°11	18°55	28°50	3°34	27°40	16°52	2°53	22°54	29°33	23°23	25° 0	3°38	20°50	F 28
S 29	12 50 40	14°33'50	11♎44	19°22	29°51	4° 3	27°52	17° 0	2°53	22°56	29°33	23°17	24°57	3°44	20°54	S 29
S 30	12 54 37	15°32'26	24° 4	19°53	0♊53	4°33	28° 4	17° 8	2°53	22°58	29°33	23°12	24°54	3°51	20°57	S 30
M31	12 58 33	16♈31'00	6♏13	20♓28	1♊54	5♋ 4	28♒16	17♈16	2♌53	23♓ 0	29♋32	23♉ 8	24♉51	3♐58	21♉ 1	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s10	2n25	3n59	3n13	3n24	12n24	1n11	25n37	2n22	15s 3	0s48	3n14	2s18	20n 8	0n40	4s28	1s21	26n41	6n33	19n 8	19n27	20s45	15n20	2s25
S 2	4 47	3s14	3 13	3 12	3 29	12 52	1 16	25 38	2 22	14 59	0 48	3 17	2 18	20 8	0 40	4 27	1 21	26 41	6 33	19 6	19 26	20 47	15 20	2 25
M 3	4 23	8 39	2 18	3 7	3 33	13 20	1 20	25 39	2 21	14 55	0 49	3 20	2 18	20 9	0 40	4 26	1 21	26 41	6 33	19 4	19 25	20 49	15 21	2 25
T 4	4 0	13 40	1 18	2 57	3 34	13 47	1 24	25 39	2 20	14 50	0 49	3 23	2 17	20 9	0 40	4 25	1 21	26 41	6 33	19 4	19 24	20 51	15 22	2 24
W 5	3 36	18 5	0 15	2 43	3 34	14 15	1 28	25 40	2 19	14 46	0 49	3 26	2 17	20 9	0 40	4 25	1 21	26 41	6 33	19 3	19 24	20 54	15 23	2 24
T 6	3 13	21 47	0s48	2 26	3 32	14 41	1 32	25 41	2 18	14 42	0 49	3 29	2 17	20 10	0 40	4 24	1 21	26 41	6 33	19 3	19 23	20 56	15 24	2 24
F 7	2 49	24 34	1 49	2 5	3 28	15 8	1 36	25 41	2 18	14 37	0 49	3 32	2 17	20 10	0 40	4 23	1 21	26 41	6 33	19 3	19 22	20 58	15 24	2 24
S 8	2 26	26 17	2 45	1 41	3 23	15 34	1 40	25 42	2 17	14 33	0 49	3 35	2 17	20 10	0 40	4 22	1 21	26 41	6 33	19 4	19 21	21 0	15 25	2 24
S 9	2 2	26 47	3 36	1 14	3 15	16 0	1 45	25 42	2 16	14 29	0 49	3 38	2 17	20 11	0 40	4 21	1 21	26 41	6 32	19 3	19 21	21 3	15 26	2 24
M10	1 38	26 0	4 17	0 45	3 6	16 26	1 49	25 42	2 15	14 24	0 50	3 41	2 17	20 11	0 40	4 20	1 21	26 41	6 32	19 2	19 20	21 5	15 27	2 24
T 11	1 15	23 53	4 47	0 15	2 56	16 51	1 53	25 43	2 15	14 20	0 50	3 43	2 17	20 11	0 40	4 19	1 21	26 42	6 32	19 1	19 19	21 7	15 28	2 24
W12	0 51	20 29	5 3	0s16	2 44	17 15	1 57	25 43	2 14	14 16	0 50	3 46	2 17	20 11	0 39	4 18	1 21	26 42	6 32	18 59	19 18	21 9	15 29	2 24
T 13	0 27	15 57	5 4	0 47	2 31	17 40	2 1	25 43	2 13	14 12	0 50	3 49	2 17	20 12	0 39	4 17	1 21	26 42	6 32	18 57	19 18	21 11	15 30	2 24
F 14	0 4	10 29	4 47	1 18	2 17	18 4	2 5	25 43	2 12	14 7	0 50	3 52	2 17	20 12	0 39	4 17	1 21	26 42	6 32	18 55	19 17	21 14	15 30	2 24
S 15	0n20	4 21	4 12	1 49	2 2	18 27	2 9	25 43	2 12	14 3	0 50	3 55	2 17	20 12	0 39	4 16	1 21	26 42	6 32	18 53	19 16	21 16	15 31	2 24
S 16	0 43	2n 7	3 21	2 18	1 47	18 50	2 13	25 42	2 11	13 59	0 50	3 58	2 17	20 12	0 39	4 15	1 21	26 42	6 32	18 51	19 15	21 18	15 32	2 24
M17	1 7	8 34	2 16	2 46	1 31	19 13	2 17	25 42	2 10	13 55	0 51	4 1	2 16	20 13	0 39	4 14	1 21	26 42	6 32	18 50	19 15	21 20	15 33	2 24
T 18	1 31	14 35	1 2	3 12	1 15	19 35	2 21	25 42	2 9	13 51	0 51	4 4	2 16	20 13	0 39	4 13	1 21	26 42	6 32	18 49	19 14	21 22	15 34	2 24
W19	1 54	19 46	0n16	3 37	0 59	19 57	2 25	25 41	2 9	13 46	0 51	4 7	2 16	20 13	0 39	4 12	1 21	26 42	6 32	18 49	19 13	21 24	15 35	2 24
T 20	2 18	23 44	1 32	3 59	0 43	20 18	2 28	25 41	2 8	13 42	0 51	4 10	2 16	20 13	0 39	4 11	1 21	26 42	6 32	18 49	19 12	21 27	15 36	2 24
F 21	2 41	26 10	2 42	4 19	0 28	20 39	2 32	25 40	2 7	13 38	0 51	4 13	2 16	20 13	0 39	4 10	1 21	26 42	6 31	18 49	19 11	21 29	15 37	2 24
S 22	3 4	26 53	3 41	4 36	0 12	21 0	2 36	25 39	2 7	13 34	0 51	4 16	2 16	20 13	0 39	4 10	1 21	26 42	6 31	18 49	19 11	21 31	15 38	2 24
S 23	3 28	25 54	4 26	4 51	0s 3	21 20	2 40	25 38	2 6	13 30	0 52	4 19	2 16	20 13	0 39	4 9	1 21	26 42	6 31	18 49	19 10	21 33	15 39	2 24
M24	3 51	23 24	4 56	5 3	0 17	21 39	2 43	25 37	2 5	13 26	0 52	4 22	2 16	20 14	0 39	4 8	1 21	26 42	6 31	18 48	19 9	21 35	15 40	2 24
T 25	4 14	19 40	5 9	5 13	0 31	21 58	2 47	25 36	2 4	13 22	0 52	4 25	2 16	20 14	0 39	4 7	1 21	26 42	6 31	18 47	19 8	21 37	15 41	2 24
W26	4 37	15 0	5 5	5 20	0 44	22 16	2 50	25 35	2 4	13 17	0 52	4 28	2 16	20 14	0 39	4 6	1 21	26 42	6 31	18 46	19 8	21 40	15 42	2 24
T 27	5 0	9 45	4 45	5 25	0 57	22 34	2 54	25 33	2 3	13 13	0 52	4 31	2 16	20 14	0 39	4 5	1 21	26 42	6 31	18 44	19 7	21 42	15 43	2 24
F 28	5 23	4 10	4 11	5 28	1 9	22 52	2 57	25 32	2 2	13 9	0 52	4 34	2 16	20 14	0 39	4 4	1 21	26 42	6 31	18 42	19 6	21 44	15 44	2 24
S 29	5 46	1s30	3 26	5 28	1 20	23 8	3 0	25 30	2 2	13 5	0 53	4 37	2 16	20 14	0 39	4 4	1 21	26 42	6 31	18 40	19 5	21 46	15 45	2 24
S 30	6 9	7 2	2 32	5 25	1 31	23 25	3 3	25 29	2 1	13 1	0 53	4 40	2 16	20 14	0 39	4 3	1 21	26 42	6 31	18 39	19 5	21 48	15 46	2 24
M31	6n31	12s13	1n31	5s20	1s41	23n41	3n 7	25n27	2n 0	12s57	0s53	4n43	2s16	20n14	0n39	4s 2	1s21	26n42	6n30	18n38	19n 4	21s50	15n47	2s24

Julian Day Number = 2160512.5, Delta T = 13m15s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'46, Lahiri = 12°44'46 Julian Calendar 1 March 1203 == Greg. Calendar 8 March 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

APRIL 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 30	17♈29'32	18♏12	21♓ 7	2♊55	5♋34	28♒28	17♈23	2°R52	23♓ 2	29°R32	23°D 7	24♉48	4♐ 4	21♉ 5	T 1
W 2	13 6 27	18°28'02	0♐ 4	21°50	3°55	6° 4	28°39	17°31	2♌52	23° 4	29♋32	23♉ 7	24°45	4°11	21° 9	W 2
T 3	13 10 23	19°26'31	11°52	22°36	4°55	6°35	28°51	17°39	2°52	23° 6	29°32	23° 8	24°41	4°18	21°13	T 3
F 4	13 14 20	20°24'58	23°40	23°26	5°54	7° 5	29° 2	17°46	2°D52	23° 8	29°32	23°10	24°38	4°24	21°17	F 4
S 5	13 18 16	21°23'23	5♑33	24°19	6°53	7°36	29°14	17°54	2°52	23°10	29°D32	23°12	24°35	4°31	21°21	S 5
S 6	13 22 13	22°21'46	17°35	25°16	7°52	8° 7	29°25	18° 2	2°52	23°13	29°32	23°R13	24°32	4°38	21°25	S 6
M 7	13 26 9	23°20'08	29°52	26°15	8°50	8°38	29°36	18° 9	2°53	23°15	29°32	23°13	24°29	4°44	21°29	M 7
T 8	13 30 6	24°18'28	12♒28	27°17	9°48	9° 9	29°48	18°17	2°53	23°17	29°32	23°11	24°26	4°51	21°33	T 8
W 9	13 34 3	25°16'47	25°27	28°22	10°45	9°40	29°59	18°25	2°53	23°19	29°32	23° 9	24°22	4°58	21°38	W 9
T 10	13 37 59	26°15'04	8♓52	29°29	11°42	10°11	0♓10	18°32	2°53	23°21	29°32	23° 5	24°19	5° 4	21°42	T 10
F 11	13 41 56	27°13'19	22°43	0♈39	12°38	10°43	0°20	18°40	2°54	23°23	29°32	23° 1	24°16	5°11	21°46	F 11
S 12	13 45 52	28°11'33	6♈59	1°51	13°34	11°14	0°31	18°48	2°54	23°25	29°33	22°58	24°13	5°18	21°50	S 12
S 13	13 49 49	29° 9'45	21°35	3° 6	14°29	11°46	0°42	18°55	2°55	23°26	29°33	22°55	24°10	5°24	21°54	S 13
M14	13 53 45	0♉ 7'55	6♉25	4°23	15°24	12°18	0°52	19° 3	2°55	23°28	29°33	22°53	24° 6	5°31	21°59	M14
T 15	13 57 42	1° 6'04	21°22	5°43	16°18	12°49	1° 3	19°10	2°56	23°30	29°33	22°D52	24° 3	5°37	22° 3	T 15
W16	14 1 38	2° 4'11	6♊18	7° 5	17°12	13°21	1°13	19°18	2°56	23°32	29°34	22°53	24° 0	5°44	22° 7	W16
T 17	14 5 35	3° 2'16	21° 4	8°28	18° 5	13°53	1°24	19°26	2°57	23°34	29°34	22°54	23°57	5°51	22°11	T 17
F 18	14 9 31	4° 0'19	5♋35	9°54	18°57	14°26	1°34	19°33	2°58	23°36	29°34	22°55	23°54	5°57	22°16	F 18
S 19	14 13 28	4°58'20	19°48	11°23	19°49	14°58	1°44	19°41	2°59	23°38	29°35	22°56	23°51	6° 4	22°20	S 19
S 20	14 17 25	5°56'20	3♌41	12°53	20°40	15°30	1°54	19°48	2°59	23°39	29°35	22°R57	23°47	6°11	22°25	S 20
M21	14 21 21	6°54'17	17°14	14°25	21°30	16° 2	2° 3	19°56	3° 0	23°41	29°35	22°56	23°44	6°17	22°29	M21
T 22	14 25 18	7°52'12	0♍28	15°59	22°19	16°35	2°13	20° 3	3° 1	23°43	29°36	22°55	23°41	6°24	22°33	T 22
W23	14 29 14	8°50'05	13°24	17°36	23° 8	17° 7	2°23	20°10	3° 2	23°45	29°36	22°54	23°38	6°31	22°38	W23
T 24	14 33 11	9°47'57	26° 5	19°14	23°56	17°40	2°32	20°18	3° 3	23°46	29°37	22°52	23°35	6°37	22°42	T 24
F 25	14 37 7	10°45'47	8♎32	20°54	24°43	18°13	2°41	20°25	3° 4	23°48	29°37	22°50	23°31	6°44	22°47	F 25
S 26	14 41 4	11°43'35	20°48	22°37	25°29	18°46	2°51	20°33	3° 6	23°50	29°38	22°49	23°28	6°51	22°51	S 26
S 27	14 45 0	12°41'22	2♏54	24°21	26°15	19°19	3° 0	20°40	3° 7	23°52	29°38	22°48	23°25	6°57	22°56	S 27
M28	14 48 57	13°39'07	14°52	26° 8	26°59	19°51	3° 9	20°47	3° 8	23°53	29°39	22°47	23°22	7° 4	23° 0	M28
T 29	14 52 54	14°36'50	26°45	27°57	27°43	20°25	3°17	20°55	3° 9	23°55	29°40	22°D47	23°19	7°11	23° 5	T 29
W30	14 56 50	15♉34'33	8♐34	29♈47	28♊25	20♋58	3♓26	21♈ 2	3♌11	23♓56	29♋40	22♉47	23♉16	7♐17	23♉ 9	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n54	16s54	0n27	5s14	1s51	23n56	3n10	25n25	2n 0	12s54	0s53	4n46	2s16	20n14	0n39	4s 1	1s21	26n41	6n30	18n38	19n 3	21s52	15n48	2s24
W 2	7 16	20 52	0s38	5 5	1 59	24 10	3 13	25 23	1 59	12 50	0 53	4 49	2 16	20 14	0 39	4 0	1 21	26 41	6 30	18 38	19 2	21 54	15 49	2 24
T 3	7 38	23 58	1 41	4 53	2 7	24 25	3 15	25 21	1 58	12 46	0 54	4 52	2 16	20 14	0 39	4 0	1 21	26 41	6 30	18 38	19 1	21 56	15 50	2 24
F 4	8 1	26 3	2 39	4 40	2 14	24 38	3 18	25 18	1 57	12 42	0 54	4 54	2 16	20 14	0 39	3 59	1 21	26 41	6 30	18 39	19 1	21 59	15 51	2 24
S 5	8 23	26 57	3 32	4 25	2 21	24 51	3 21	25 16	1 57	12 38	0 54	4 57	2 16	20 14	0 39	3 58	1 21	26 41	6 30	18 39	19 0	22 1	15 52	2 24
S 6	8 45	26 36	4 15	4 8	2 27	25 4	3 23	25 14	1 56	12 34	0 54	5 0	2 16	20 14	0 39	3 57	1 21	26 41	6 30	18 39	18 59	22 3	15 53	2 24
M 7	9 6	24 58	4 48	3 50	2 32	25 16	3 26	25 11	1 55	12 30	0 54	5 3	2 16	20 14	0 39	3 56	1 21	26 41	6 30	18 39	18 58	22 5	15 54	2 24
T 8	9 28	22 4	5 8	3 29	2 37	25 27	3 28	25 8	1 55	12 27	0 55	5 6	2 16	20 14	0 39	3 56	1 21	26 41	6 30	18 39	18 58	22 7	15 55	2 24
W 9	9 49	18 0	5 14	3 7	2 41	25 38	3 31	25 5	1 54	12 23	0 55	5 9	2 16	20 14	0 39	3 55	1 22	26 41	6 30	18 38	18 57	22 9	15 56	2 24
T 10	10 11	12 56	5 2	2 43	2 44	25 48	3 33	25 2	1 53	12 19	0 55	5 12	2 16	20 14	0 39	3 54	1 22	26 41	6 29	18 38	18 56	22 11	15 57	2 24
F 11	10 32	7 5	4 33	2 17	2 47	25 58	3 35	24 59	1 53	12 16	0 55	5 15	2 16	20 13	0 39	3 53	1 22	26 40	6 29	18 37	18 55	22 13	15 58	2 24
S 12	10 53	0 41	3 46	1 50	2 49	26 7	3 37	24 56	1 52	12 12	0 55	5 18	2 16	20 13	0 39	3 53	1 22	26 40	6 29	18 36	18 54	22 15	15 59	2 24
S 13	11 13	5n55	2 44	1 22	2 51	26 15	3 38	24 52	1 51	12 8	0 56	5 21	2 16	20 13	0 39	3 52	1 22	26 40	6 29	18 35	18 54	22 17	16 0	2 24
M14	11 34	12 19	1 29	0 52	2 51	26 23	3 40	24 49	1 51	12 5	0 56	5 23	2 16	20 13	0 39	3 51	1 22	26 40	6 29	18 34	18 53	22 19	16 1	2 24
T 15	11 54	18 3	0 8	0 21	2 52	26 31	3 42	24 45	1 50	12 1	0 56	5 26	2 16	20 13	0 39	3 50	1 22	26 40	6 29	18 34	18 52	22 21	16 2	2 24
W16	12 15	22 40	1n13	0n12	2 51	26 37	3 43	24 41	1 49	11 58	0 56	5 29	2 16	20 13	0 38	3 50	1 22	26 40	6 29	18 34	18 51	22 23	16 3	2 24
T 17	12 35	25 44	2 29	0 46	2 50	26 44	3 44	24 37	1 49	11 54	0 56	5 32	2 16	20 13	0 38	3 49	1 22	26 39	6 29	18 35	18 51	22 25	16 5	2 24
F 18	12 55	27 0	3 35	1 21	2 49	26 49	3 45	24 33	1 48	11 51	0 57	5 35	2 16	20 12	0 38	3 48	1 22	26 39	6 29	18 35	18 50	22 27	16 6	2 24
S 19	13 14	26 27	4 25	1 58	2 47	26 55	3 46	24 29	1 48	11 47	0 57	5 37	2 16	20 12	0 38	3 48	1 22	26 39	6 28	18 35	18 49	22 29	16 7	2 24
S 20	13 34	24 15	4 59	2 36	2 44	26 59	3 47	24 25	1 47	11 44	0 57	5 40	2 17	20 12	0 38	3 47	1 22	26 39	6 28	18 35	18 48	22 31	16 8	2 24
M21	13 53	20 43	5 15	3 14	2 41	27 3	3 47	24 20	1 46	11 41	0 57	5 43	2 17	20 12	0 38	3 46	1 22	26 39	6 28	18 35	18 47	22 33	16 9	2 24
T 22	14 12	16 14	5 13	3 54	2 37	27 7	3 48	24 15	1 46	11 37	0 57	5 46	2 17	20 11	0 38	3 46	1 22	26 39	6 28	18 35	18 47	22 35	16 10	2 24
W23	14 30	11 6	4 56	4 35	2 33	27 10	3 48	24 11	1 45	11 34	0 58	5 49	2 17	20 11	0 38	3 45	1 22	26 38	6 28	18 35	18 46	22 37	16 11	2 24
T 24	14 49	5 37	4 25	5 17	2 28	27 12	3 48	24 6	1 44	11 31	0 58	5 51	2 17	20 11	0 38	3 44	1 22	26 38	6 28	18 34	18 45	22 39	16 12	2 24
F 25	15 7	0s 1	3 41	6 0	2 22	27 14	3 48	24 1	1 44	11 28	0 58	5 54	2 17	20 11	0 38	3 44	1 22	26 38	6 28	18 34	18 44	22 41	16 13	2 24
S 26	15 25	5 33	2 48	6 44	2 16	27 16	3 48	23 56	1 43	11 25	0 58	5 57	2 17	20 10	0 38	3 43	1 22	26 38	6 28	18 33	18 43	22 43	16 14	2 24
S 27	15 43	10 50	1 48	7 28	2 10	27 16	3 47	23 50	1 42	11 22	0 59	5 59	2 17	20 10	0 38	3 42	1 22	26 37	6 28	18 33	18 43	22 45	16 15	2 25
M28	16 0	15 40	0 44	8 13	2 3	27 17	3 46	23 45	1 42	11 19	0 59	6 2	2 17	20 10	0 38	3 42	1 22	26 37	6 28	18 33	18 42	22 47	16 16	2 25
T 29	16 18	19 52	0s22	8 59	1 56	27 17	3 45	23 39	1 41	11 16	0 59	6 5	2 17	20 9	0 38	3 41	1 22	26 37	6 27	18 33	18 41	22 49	16 17	2 25
W30	16n35	23s15	1s27	9n46	1s48	27n16	3n44	23n33	1n41	11s13	0s59	6n 7	2s17	20n 9	0n38	3s41	1s22	26n37	6n27	18n33	18n40	22s51	16n18	2s25

Julian Day Number = 2160543.5, Delta T = 13m15s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'50, Lahiri = 12°44'50 Julian Calendar 1 Apr. 1203 == Greg. Calendar 8 Apr. 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

MAY 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 0 47	16♉32'14	20♐22	1♉40	29♊ 7	21♋31	3♓35	21♈ 9	3♎12	23♓58	29♋41	22♉48	23♉12	7♐24	23♉13	T 1
F 2	15 4 43	17°29'54	2♑12	3°35	29°47	22° 4	3°43	21°16	3°14	23°59	29°42	22°49	23° 9	7°30	23°18	F 2
S 3	15 8 40	18°27'33	14° 7	5°31	0♌26	22°37	3°51	21°23	3°15	24° 1	29°42	22°49	23° 6	7°37	23°23	S 3
S 4	15 12 36	19°25'10	26°10	7°30	1° 4	23°11	4° 0	21°31	3°17	24° 2	29°43	22°49	23° 3	7°44	23°27	S 4
M 5	15 16 33	20°22'47	8♒27	9°30	1°41	23°44	4° 8	21°38	3°18	24° 4	29°44	22°50	23° 0	7°50	23°32	M 5
T 6	15 20 29	21°20'23	21° 1	11°33	2°17	24°18	4°16	21°45	3°20	24° 5	29°45	22°R50	22°57	7°57	23°36	T 6
W 7	15 24 26	22°17'57	3♓56	13°37	2°52	24°52	4°23	21°52	3°22	24° 7	29°45	22°50	22°53	8° 4	23°41	W 7
T 8	15 28 23	23°15'31	17°15	15°43	3°25	25°25	4°31	21°59	3°23	24° 8	29°46	22°D50	22°50	8°10	23°45	T 8
F 9	15 32 19	24°13'04	1♈ 1	17°50	3°56	25°59	4°38	22° 6	3°25	24° 9	29°47	22°50	22°47	8°17	23°50	F 9
S 10	15 36 16	25°10'35	15°12	19°58	4°27	26°33	4°46	22°13	3°27	24°11	29°48	22°50	22°44	8°24	23°54	S 10
S 11	15 40 12	26° 8'06	29°48	22° 8	4°55	27° 7	4°53	22°19	3°29	24°12	29°49	22°50	22°41	8°30	23°59	S 11
M12	15 44 9	27° 5'36	14♉43	24°19	5°23	27°41	5° 0	22°26	3°31	24°13	29°50	22°50	22°37	8°37	24° 3	M12
T 13	15 48 5	28° 3'06	29°50	26°30	5°48	28°15	5° 7	22°33	3°33	24°15	29°51	22°R50	22°34	8°44	24° 8	T 13
W14	15 52 2	29° 0'34	15♊ 0	28°42	6°12	28°49	5°14	22°40	3°35	24°16	29°52	22°50	22°31	8°50	24°12	W14
T 15	15 55 58	29°58'01	0♋ 4	0♊54	6°35	29°23	5°20	22°46	3°37	24°17	29°53	22°50	22°28	8°57	24°17	T 15
F 16	15 59 55	0♊55'27	14°53	3° 6	6°55	29°57	5°27	22°53	3°39	24°18	29°54	22°49	22°25	9° 4	24°21	F 16
S 17	16 3 52	1°52'51	29°21	5°17	7°14	0♌32	5°33	23° 0	3°41	24°19	29°55	22°48	22°22	9°10	24°26	S 17
S 18	16 7 48	2°50'15	13♌25	7°28	7°31	1° 6	5°39	23° 6	3°43	24°20	29°56	22°47	22°18	9°17	24°30	S 18
M19	16 11 45	3°47'37	27° 2	9°38	7°46	1°41	5°45	23°13	3°46	24°21	29°57	22°46	22°15	9°24	24°35	M19
T 20	16 15 41	4°44'58	10♍15	11°47	7°58	2°15	5°51	23°19	3°48	24°23	29°58	22°D46	22°12	9°30	24°39	T 20
W21	16 19 38	5°42'18	23° 6	13°55	8° 9	2°50	5°56	23°25	3°50	24°24	29°59	22°47	22° 9	9°37	24°44	W21
T 22	16 23 34	6°39'37	5♎37	16° 1	8°18	3°24	6° 2	23°32	3°53	24°25	0♌ 0	22°48	22° 6	9°44	24°48	T 22
F 23	16 27 31	7°36'55	17°53	18° 5	8°24	3°59	6° 7	23°38	3°55	24°25	0° 2	22°49	22° 3	9°50	24°53	F 23
S 24	16 31 28	8°34'12	29°57	20° 7	8°28	4°34	6°12	23°44	3°57	24°26	0° 3	22°50	21°59	9°57	24°57	S 24
S 25	16 35 24	9°31'28	11♏54	22° 8	8°R30	5° 8	6°17	23°50	4° 0	24°27	0° 4	22°51	21°56	10° 3	25° 2	S 25
M26	16 39 21	10°28'43	23°45	24° 6	8°29	5°43	6°22	23°57	4° 2	24°28	0° 5	22°R52	21°53	10°10	25° 6	M26
T 27	16 43 17	11°25'57	5♐33	26° 2	8°26	6°18	6°26	24° 3	4° 5	24°29	0° 7	22°51	21°50	10°17	25°11	T 27
W28	16 47 14	12°23'12	17°21	27°56	8°21	6°53	6°31	24° 9	4° 8	24°30	0° 8	22°50	21°47	10°23	25°15	W28
T 29	16 51 10	13°20'25	29°12	29°48	8°13	7°28	6°35	24°15	4°10	24°31	0° 9	22°47	21°43	10°30	25°19	T 29
F 30	16 55 7	14°17'38	11♑ 6	1♋37	8° 3	8° 3	6°39	24°21	4°13	24°31	0°10	22°44	21°40	10°37	25°24	F 30
S 31	16 59 3	15♊14'51	23♑ 7	3♋24	7♋51	8♌38	6♓43	24♈26	4♎16	24♓32	0♌12	22♉41	21♉37	10♐43	25♉28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n51	25s38	2s27	10n33	1s39	27n15	3n43	23n28	1n40	11s10	1s 0	6n10	2s17	20n 9	0n38	3s40	1s22	26n36	6n27	18n33	18n39	22s53	16n19	2s25
F 2	17 8	26 53	3 22	11 21	1 31	27 14	3 41	23 22	1 39	11 7	1 0	6 13	2 17	20 8	0 38	3 39	1 22	26 36	6 27	18 33	18 39	22 55	16 21	2 25
S 3	17 24	26 54	4 8	12 8	1 22	27 12	3 39	23 15	1 39	11 4	1 0	6 15	2 18	20 8	0 38	3 39	1 22	26 36	6 27	18 33	18 38	22 57	16 22	2 25
S 4	17 40	25 39	4 44	12 56	1 12	27 10	3 37	23 9	1 38	11 1	1 0	6 18	2 18	20 7	0 38	3 38	1 22	26 36	6 27	18 34	18 37	22 59	16 23	2 25
M 5	17 55	23 10	5 8	13 44	1 2	27 7	3 35	23 3	1 37	10 59	1 1	6 20	2 18	20 7	0 38	3 38	1 23	26 35	6 27	18 34	18 36	23 1	16 24	2 25
T 6	18 10	19 33	5 18	14 32	0 52	27 3	3 32	22 56	1 37	10 56	1 1	6 23	2 18	20 7	0 38	3 37	1 23	26 35	6 27	18 34	18 35	23 3	16 25	2 25
W 7	18 25	14 56	5 12	15 20	0 42	27 0	3 29	22 50	1 36	10 53	1 1	6 25	2 18	20 6	0 38	3 37	1 23	26 35	6 27	18 34	18 35	23 5	16 26	2 25
T 8	18 40	9 30	4 49	16 7	0 32	26 56	3 26	22 43	1 36	10 51	1 1	6 28	2 18	20 6	0 38	3 36	1 23	26 35	6 27	18 34	18 34	23 7	16 27	2 25
F 9	18 55	3 25	4 10	16 53	0 21	26 51	3 22	22 36	1 35	10 48	1 2	6 30	2 18	20 5	0 38	3 36	1 23	26 34	6 26	18 34	18 33	23 9	16 28	2 25
S 10	19 9	3n 2	3 14	17 39	0 10	26 47	3 19	22 29	1 34	10 46	1 2	6 33	2 18	20 5	0 38	3 35	1 23	26 34	6 26	18 34	18 32	23 11	16 29	2 25
S 11	19 22	9 30	2 5	18 23	0n 0	26 41	3 14	22 22	1 34	10 44	1 2	6 35	2 18	20 4	0 38	3 35	1 23	26 34	6 26	18 34	18 31	23 12	16 30	2 26
M12	19 36	15 36	0 45	19 6	0 11	26 36	3 10	22 14	1 33	10 41	1 2	6 38	2 18	20 4	0 38	3 34	1 23	26 34	6 26	18 34	18 30	23 14	16 31	2 26
T 13	19 49	20 50	0n39	19 48	0 21	26 30	3 5	22 7	1 33	10 39	1 3	6 40	2 19	20 3	0 38	3 34	1 23	26 33	6 26	18 34	18 30	23 16	16 32	2 26
W14	20 2	24 41	2 0	20 28	0 32	26 24	3 0	21 59	1 32	10 37	1 3	6 42	2 19	20 3	0 38	3 33	1 23	26 33	6 26	18 34	18 29	23 18	16 33	2 26
T 15	20 14	26 45	3 12	21 6	0 42	26 17	2 54	21 51	1 31	10 35	1 3	6 45	2 19	20 2	0 38	3 33	1 23	26 33	6 26	18 34	18 28	23 20	16 34	2 26
F 16	20 26	26 51	4 11	21 42	0 51	26 10	2 49	21 44	1 31	10 32	1 4	6 47	2 19	20 2	0 38	3 33	1 23	26 32	6 26	18 33	18 27	23 22	16 35	2 26
S 17	20 38	25 7	4 51	22 16	1 0	26 3	2 42	21 36	1 30	10 30	1 4	6 49	2 19	20 1	0 38	3 32	1 23	26 32	6 26	18 33	18 26	23 24	16 36	2 26
S 18	20 49	21 51	5 13	22 47	1 9	25 55	2 36	21 27	1 30	10 28	1 4	6 52	2 19	20 1	0 38	3 32	1 23	26 32	6 26	18 33	18 26	23 26	16 37	2 26
M19	21 0	17 30	5 16	23 16	1 17	25 48	2 29	21 19	1 29	10 26	1 4	6 54	2 19	20 0	0 38	3 31	1 23	26 31	6 26	18 33	18 25	23 27	16 38	2 26
T 20	21 11	12 25	5 3	23 42	1 25	25 39	2 21	21 11	1 28	10 25	1 5	6 56	2 20	20 0	0 38	3 31	1 23	26 31	6 26	18 33	18 24	23 29	16 39	2 26
W21	21 21	6 57	4 34	24 5	1 32	25 31	2 14	21 2	1 28	10 23	1 5	6 58	2 20	19 59	0 38	3 31	1 23	26 31	6 26	18 33	18 23	23 31	16 40	2 27
T 22	21 31	1 19	3 53	24 26	1 38	25 22	2 6	20 53	1 27	10 21	1 5	7 1	2 20	19 59	0 38	3 30	1 23	26 30	6 25	18 33	18 22	23 33	16 41	2 27
F 23	21 41	4s15	3 2	24 44	1 44	25 13	1 57	20 45	1 27	10 19	1 5	7 3	2 20	19 58	0 38	3 30	1 23	26 30	6 25	18 33	18 21	23 35	16 42	2 27
S 24	21 50	9 35	2 3	24 59	1 49	25 4	1 48	20 36	1 26	10 18	1 6	7 5	2 20	19 57	0 37	3 30	1 23	26 30	6 25	18 34	18 21	23 37	16 43	2 27
S 25	21 59	14 31	1 0	25 11	1 53	24 55	1 39	20 27	1 25	10 16	1 6	7 7	2 20	19 57	0 37	3 29	1 23	26 29	6 25	18 34	18 20	23 39	16 44	2 27
M26	22 7	18 52	0s 5	25 21	1 56	24 45	1 29	20 18	1 25	10 15	1 6	7 9	2 20	19 56	0 37	3 29	1 24	26 29	6 25	18 34	18 19	23 40	16 45	2 27
T 27	22 15	22 28	1 10	25 28	1 59	24 35	1 18	20 8	1 24	10 13	1 7	7 11	2 21	19 56	0 37	3 29	1 24	26 29	6 25	18 34	18 18	23 42	16 46	2 27
W28	22 23	25 7	2 11	25 32	2 1	24 24	1 8	19 59	1 24	10 12	1 7	7 13	2 21	19 55	0 37	3 28	1 24	26 28	6 25	18 34	18 17	23 44	16 46	2 27
T 29	22 30	26 40	3 7	25 35	2 2	24 14	0 57	19 49	1 23	10 10	1 7	7 15	2 21	19 54	0 37	3 28	1 24	26 28	6 25	18 33	18 17	23 46	16 47	2 28
F 30	22 37	26 59	3 55	25 34	2 2	24 3	0 45	19 40	1 22	10 9	1 8	7 17	2 21	19 54	0 37	3 28	1 24	26 28	6 25	18 32	18 16	23 48	16 48	2 28
S 31	22n43	26s 3	4s34	25n32	2n 2	23n52	0n33	19n30	1n22	10s 8	1s 8	7n19	2s21	19n53	0n37	3s28	1s24	26n27	6n25	18n31	18n15	23s49	16n49	2s28

Julian Day Number = 2160573.5, Delta T = 13m15s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'54, Lahiri = 12°44'54 Julian Calendar 1 May 1203 == Greg. Calendar 8 May 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

JUNE 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 0	16♊12'03	5♒17	5♋ 9	7°R36	9♌14	6♓47	24♈32	4♌18	24♓33	0♌13	22°R37	21♉34	10♐50	25♉32	S 1
M 2	17 6 57	17° 9'15	17°38	6°52	7♋19	9°49	6°50	24°38	4°21	24°33	0°14	22♉34	21°31	10°57	25°37	M 2
T 3	17 10 53	18° 6'27	0♓14	8°32	6°59	10°24	6°54	24°43	4°24	24°34	0°16	22°32	21°28	11° 3	25°41	T 3
W 4	17 14 50	19° 3'38	13° 7	10° 9	6°37	10°59	6°57	24°49	4°27	24°35	0°17	22°31	21°24	11°10	25°45	W 4
T 5	17 18 46	20° 0'50	26°21	11°44	6°14	11°35	7° 0	24°54	4°30	24°35	0°19	22°D31	21°21	11°17	25°50	T 5
F 6	17 22 43	20°58'01	9♈58	13°17	5°48	12°10	7° 3	25° 0	4°32	24°36	0°20	22°32	21°18	11°23	25°54	F 6
S 7	17 26 39	21°55'13	23°59	14°48	5°20	12°46	7° 6	25° 5	4°35	24°36	0°21	22°33	21°15	11°30	25°58	S 7
S 8	17 30 36	22°52'24	8♉24	16°16	4°50	13°21	7° 8	25°11	4°38	24°36	0°23	22°34	21°12	11°37	26° 2	S 8
M 9	17 34 32	23°49'36	23°10	17°41	4°19	13°57	7°10	25°16	4°41	24°37	0°24	22°R35	21° 9	11°43	26° 7	M 9
T 10	17 38 29	24°46'48	8♊12	19° 4	3°46	14°33	7°12	25°21	4°44	24°37	0°26	22°34	21° 5	11°50	26°11	T 10
W11	17 42 26	25°43'59	23°22	20°25	3°12	15° 8	7°14	25°26	4°47	24°38	0°27	22°32	21° 2	11°57	26°15	W11
T 12	17 46 22	26°41'11	8♋31	21°42	2°37	15°44	7°16	25°31	4°51	24°38	0°29	22°28	20°59	12° 3	26°19	T 12
F 13	17 50 19	27°38'22	23°29	22°58	2° 1	16°20	7°17	25°36	4°54	24°38	0°30	22°23	20°56	12°10	26°23	F 13
S 14	17 54 15	28°35'33	8♌ 7	24°10	1°24	16°56	7°19	25°41	4°57	24°39	0°32	22°18	20°53	12°17	26°27	S 14
S 15	17 58 12	29°32'44	22°20	25°20	0°47	17°32	7°20	25°46	5° 0	24°39	0°34	22°13	20°49	12°23	26°31	S 15
M16	18 2 8	0♋29'55	6♍ 5	26°27	0° 9	18° 8	7°21	25°50	5° 3	24°39	0°35	22° 9	20°46	12°30	26°35	M16
T 17	18 6 5	1°27'05	19°22	27°31	29♊32	18°44	7°22	25°55	5° 6	24°39	0°37	22° 7	20°43	12°37	26°39	T 17
W18	18 10 1	2°24'15	2♎13	28°32	28°55	19°20	7°22	26° 0	5°10	24°39	0°38	22°D 6	20°40	12°43	26°43	W18
T 19	18 13 58	3°21'25	14°42	29°30	28°18	19°56	7°22	26° 4	5°13	24°39	0°40	22° 7	20°37	12°50	26°47	T 19
F 20	18 17 55	4°18'35	26°54	0♌25	27°42	20°32	7°R23	26° 8	5°16	24°39	0°42	22° 8	20°34	12°57	26°51	F 20
S 21	18 21 51	5°15'45	8♏53	1°17	27° 7	21° 9	7°22	26°13	5°20	24°R39	0°43	22°10	20°30	13° 3	26°55	S 21
S 22	18 25 48	6°12'54	20°45	2° 5	26°33	21°45	7°22	26°17	5°23	24°39	0°45	22°R11	20°27	13°10	26°58	S 22
M23	18 29 44	7°10'04	2♐32	2°50	26° 1	22°21	7°22	26°21	5°26	24°39	0°46	22°10	20°24	13°16	27° 2	M23
T 24	18 33 41	8° 7'14	14°20	3°30	25°30	22°58	7°21	26°25	5°30	24°39	0°48	22° 7	20°21	13°23	27° 6	T 24
W25	18 37 37	9° 4'24	26°11	4° 8	25° 0	23°34	7°20	26°29	5°33	24°39	0°50	22° 3	20°18	13°30	27°10	W25
T 26	18 41 34	10° 1'35	8♑ 7	4°41	24°33	24°11	7°19	26°33	5°37	24°39	0°51	21°56	20°15	13°36	27°13	T 26
F 27	18 45 31	10°58'46	20°10	5°10	24° 8	24°47	7°18	26°37	5°40	24°39	0°53	21°48	20°11	13°43	27°17	F 27
S 28	18 49 27	11°55'57	2♒22	5°34	23°44	25°24	7°17	26°40	5°43	24°39	0°55	21°39	20° 8	13°50	27°20	S 28
S 29	18 53 24	12°53'09	14°43	5°55	23°23	26° 0	7°15	26°44	5°47	24°38	0°57	21°30	20° 5	13°56	27°24	S 29
M30	18 57 20	13♋50'21	27♒16	6♌10	23♊ 5	26♌37	7♓13	26♈48	5♌50	24♓38	0♌58	21♉22	20♉ 2	14♐ 3	27♉27	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	23s53	5s 0	25n28	2n 1	23n40	0n21	19n20	1n21	10s 7	1s 8	7n21	2s22	19n52	0n37	3s28	1s24	26n27	6n25	18n30	18n14	23s51	16n50	2s28
M 2	22 55	20 34	5 13	25 21	1 59	23 29	0 8	19 10	1 21	10 6	1 8	7 23	2 22	19 52	0 37	3 27	1 24	26 27	6 25	18 30	18 13	23 53	16 51	2 28
T 3	23 1	16 17	5 11	25 13	1 57	23 17	0s 4	19 0	1 20	10 5	1 9	7 25	2 22	19 51	0 37	3 27	1 24	26 26	6 25	18 29	18 12	23 55	16 52	2 28
W 4	23 5	11 11	4 54	25 3	1 54	23 5	0 18	18 49	1 19	10 4	1 9	7 27	2 22	19 50	0 37	3 27	1 24	26 26	6 25	18 29	18 12	23 56	16 53	2 28
T 5	23 10	5 27	4 21	24 51	1 50	22 53	0 31	18 39	1 19	10 3	1 9	7 29	2 22	19 49	0 37	3 27	1 24	26 26	6 25	18 29	18 11	23 58	16 54	2 29
F 6	23 14	0n42	3 33	24 38	1 46	22 40	0 45	18 28	1 18	10 2	1 10	7 31	2 22	19 49	0 37	3 27	1 24	26 25	6 25	18 29	18 10	24 0	16 54	2 29
S 7	23 18	7 1	2 30	24 24	1 41	22 27	0 59	18 18	1 18	10 2	1 10	7 32	2 23	19 48	0 37	3 26	1 24	26 25	6 25	18 29	18 9	24 2	16 55	2 29
S 8	23 21	13 9	1 17	24 8	1 36	22 15	1 13	18 7	1 17	10 1	1 10	7 34	2 23	19 47	0 37	3 26	1 24	26 25	6 25	18 30	18 8	24 3	16 56	2 29
M 9	23 24	18 42	0n 3	23 51	1 29	22 2	1 27	17 56	1 17	10 0	1 11	7 36	2 23	19 47	0 37	3 26	1 24	26 24	6 25	18 30	18 7	24 5	16 57	2 29
T 10	23 26	23 10	1 24	23 33	1 23	21 48	1 41	17 45	1 16	10 0	1 11	7 38	2 23	19 46	0 37	3 26	1 24	26 24	6 25	18 30	18 7	24 7	16 58	2 29
W11	23 29	26 3	2 40	23 14	1 15	21 35	1 55	17 34	1 15	9 59	1 11	7 39	2 23	19 45	0 37	3 26	1 24	26 23	6 24	18 29	18 6	24 9	16 58	2 30
T 12	23 30	27 0	3 45	22 54	1 7	21 22	2 9	17 23	1 15	9 59	1 11	7 41	2 24	19 44	0 37	3 26	1 24	26 23	6 24	18 28	18 5	24 10	16 59	2 30
F 13	23 31	25 58	4 33	22 33	0 59	21 8	2 23	17 11	1 14	9 59	1 12	7 42	2 24	19 44	0 37	3 26	1 25	26 23	6 24	18 27	18 4	24 12	17 0	2 30
S 14	23 32	23 10	5 2	22 12	0 50	20 55	2 37	17 0	1 14	9 59	1 12	7 44	2 24	19 43	0 37	3 26	1 25	26 22	6 24	18 25	18 3	24 14	17 1	2 30
S 15	23 33	19 1	5 11	21 50	0 40	20 42	2 51	16 48	1 13	9 59	1 12	7 46	2 24	19 42	0 37	3 26	1 25	26 22	6 24	18 24	18 2	24 15	17 2	2 30
M16	23 33	14 0	5 2	21 27	0 30	20 29	3 4	16 37	1 12	9 58	1 13	7 47	2 24	19 41	0 37	3 26	1 25	26 22	6 24	18 23	18 1	24 17	17 2	2 30
T 17	23 32	8 28	4 37	21 4	0 20	20 16	3 17	16 25	1 12	9 58	1 13	7 48	2 25	19 40	0 37	3 26	1 25	26 21	6 24	18 23	18 1	24 19	17 3	2 31
W18	23 31	2 45	3 58	20 41	0 9	20 3	3 30	16 13	1 11	9 59	1 13	7 50	2 25	19 40	0 37	3 26	1 25	26 21	6 24	18 22	18 0	24 21	17 4	2 31
T 19	23 30	2s54	3 10	20 18	0s 2	19 50	3 42	16 1	1 11	9 59	1 14	7 51	2 25	19 39	0 37	3 26	1 25	26 21	6 24	18 23	17 59	24 22	17 4	2 31
F 20	23 28	8 21	2 13	19 55	0 14	19 38	3 53	15 49	1 10	9 59	1 14	7 53	2 25	19 38	0 37	3 26	1 25	26 20	6 24	18 23	17 58	24 24	17 5	2 31
S 21	23 26	13 24	1 12	19 32	0 26	19 26	4 4	15 37	1 10	9 59	1 14	7 54	2 26	19 37	0 37	3 26	1 25	26 20	6 24	18 23	17 57	24 26	17 6	2 31
S 22	23 24	17 54	0 8	19 9	0 39	19 15	4 15	15 24	1 9	10 0	1 15	7 55	2 26	19 36	0 37	3 26	1 25	26 19	6 24	18 24	17 56	24 27	17 7	2 32
M23	23 21	21 40	0s56	18 46	0 52	19 4	4 25	15 12	1 8	10 0	1 15	7 57	2 26	19 35	0 37	3 26	1 25	26 19	6 24	18 23	17 56	24 29	17 7	2 32
T 24	23 18	24 33	1 57	18 24	1 5	18 54	4 34	14 59	1 8	10 1	1 15	7 58	2 26	19 35	0 37	3 26	1 25	26 19	6 24	18 23	17 55	24 30	17 8	2 32
W25	23 14	26 22	2 53	18 2	1 19	18 44	4 43	14 47	1 7	10 1	1 15	7 59	2 26	19 34	0 37	3 26	1 25	26 18	6 24	18 22	17 54	24 32	17 9	2 32
T 26	23 10	26 59	3 42	17 41	1 32	18 35	4 51	14 34	1 7	10 2	1 16	8 0	2 27	19 33	0 37	3 26	1 25	26 18	6 24	18 20	17 53	24 34	17 9	2 32
F 27	23 5	26 20	4 21	17 20	1 46	18 26	4 59	14 21	1 6	10 3	1 16	8 1	2 27	19 32	0 37	3 26	1 25	26 18	6 24	18 18	17 52	24 35	17 10	2 33
S 28	23 0	24 25	4 49	17 1	2 1	18 18	5 6	14 8	1 6	10 3	1 16	8 3	2 27	19 31	0 37	3 26	1 25	26 17	6 24	18 15	17 51	24 37	17 10	2 33
S 29	22 55	21 20	5 4	16 42	2 15	18 11	5 12	13 55	1 5	10 4	1 17	8 4	2 27	19 30	0 37	3 27	1 25	26 17	6 24	18 13	17 50	24 39	17 11	2 33
M30	22n49	17s14	5s 5	16n24	2s29	18n 4	5s18	13n42	1n 4	10s 5	1s17	8n 5	2s28	19n29	0n37	3s27	1s25	26n16	6n24	18n11	17n50	24s40	17n12	2s33

Julian Day Number = 2160604.5, Delta T = 13m15s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°37'58, Lahiri = 12°44'59 Julian Calendar 1 June 1203 == Greg. Calendar 8 June 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

JULY 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 1 17	14♋47'34	10♓ 0	6♌21	22°R48	27♌14	7°R11	26♈51	5♌54	24°R38	1♌ 0	21°R15	19♉59	14♐10	27♉31	T 1
W 2	19 5 13	15°44'48	22°59	6°28	22♊34	27°51	7♓ 9	26°54	5°57	24♓38	1° 2	21♉11	19°55	14°16	27°34	W 2
T 3	19 9 10	16°42'03	6♈13	6°R29	22°22	28°27	7° 7	26°58	6° 1	24°37	1° 3	21° 9	19°52	14°23	27°38	T 3
F 4	19 13 6	17°39'18	19°45	6°26	22°13	29° 4	7° 4	27° 1	6° 5	24°37	1° 5	21°D 8	19°49	14°30	27°41	F 4
S 5	19 17 3	18°36'35	3♉36	6°17	22° 6	29°41	7° 2	27° 4	6° 8	24°36	1° 7	21° 9	19°46	14°36	27°44	S 5
S 6	19 21 0	19°33'52	17°47	6° 4	22° 2	0♍18	6°59	27° 7	6°12	24°36	1° 9	21°R 9	19°43	14°43	27°48	S 6
M 7	19 24 56	20°31'11	2♊17	5°45	21°D59	0°55	6°56	27°10	6°15	24°35	1°10	21° 9	19°40	14°50	27°51	M 7
T 8	19 28 53	21°28'30	17° 3	5°22	22° 0	1°32	6°52	27°13	6°19	24°35	1°12	21° 6	19°36	14°56	27°54	T 8
W 9	19 32 49	22°25'51	1♋59	4°55	22° 2	2°10	6°49	27°15	6°23	24°34	1°14	21° 2	19°33	15° 3	27°57	W 9
T 10	19 36 46	23°23'12	16°58	4°23	22° 7	2°47	6°45	27°18	6°26	24°34	1°16	20°55	19°30	15°10	28° 0	T 10
F 11	19 40 42	24°20'34	1♌50	3°48	22°14	3°24	6°41	27°20	6°30	24°33	1°18	20°46	19°27	15°16	28° 3	F 11
S 12	19 44 39	25°17'57	16°27	3° 9	22°23	4° 1	6°37	27°23	6°34	24°33	1°19	20°36	19°24	15°23	28° 6	S 12
S 13	19 48 35	26°15'21	0♍41	2°27	22°34	4°39	6°33	27°25	6°37	24°32	1°21	20°26	19°21	15°30	28° 9	S 13
M14	19 52 32	27°12'45	14°29	1°43	22°47	5°16	6°29	27°27	6°41	24°31	1°23	20°18	19°17	15°36	28°12	M14
T 15	19 56 29	28°10'10	27°49	0°58	23° 3	5°53	6°24	27°29	6°45	24°31	1°25	20°12	19°14	15°43	28°15	T 15
W16	20 0 25	29° 7'36	10♎43	0°12	23°20	6°31	6°19	27°31	6°48	24°30	1°26	20° 9	19°11	15°50	28°18	W16
T 17	20 4 22	0♏ 5'02	23°13	29♋26	23°39	7° 8	6°15	27°33	6°52	24°29	1°28	20° 7	19° 8	15°56	28°20	T 17
F 18	20 8 18	1° 2'30	5♏25	28°42	23°59	7°46	6°10	27°35	6°56	24°28	1°30	20°D 7	19° 5	16° 3	28°23	F 18
S 19	20 12 15	1°59'58	17°24	27°59	24°22	8°24	6° 4	27°37	6°59	24°27	1°32	20°R 8	19° 1	16°10	28°26	S 19
S 20	20 16 11	2°57'27	29°15	27°19	24°46	9° 1	5°59	27°38	7° 3	24°26	1°34	20° 7	18°58	16°16	28°28	S 20
M21	20 20 8	3°54'56	11♐ 2	26°42	25°12	9°39	5°54	27°40	7° 7	24°26	1°35	20° 5	18°55	16°23	28°31	M21
T 22	20 24 4	4°52'27	22°52	26°10	25°39	10°17	5°48	27°41	7°11	24°25	1°37	20° 1	18°52	16°30	28°33	T 22
W23	20 28 1	5°49'59	4♑47	25°42	26° 8	10°55	5°42	27°42	7°14	24°24	1°39	19°54	18°49	16°36	28°36	W23
T 24	20 31 58	6°47'32	16°51	25°20	26°39	11°33	5°36	27°44	7°18	24°23	1°41	19°45	18°46	16°43	28°38	T 24
F 25	20 35 54	7°45'06	29° 5	25° 5	27°11	12°10	5°30	27°45	7°22	24°22	1°43	19°33	18°42	16°50	28°40	F 25
S 26	20 39 51	8°42'41	11♒31	24°55	27°44	12°48	5°24	27°46	7°25	24°21	1°44	19°21	18°39	16°56	28°43	S 26
S 27	20 43 47	9°40'17	24° 8	24°D53	28°18	13°26	5°18	27°47	7°29	24°20	1°46	19° 8	18°36	17° 3	28°45	S 27
M28	20 47 44	10°37'55	6♓58	24°58	28°54	14° 5	5°11	27°47	7°33	24°19	1°48	18°56	18°33	17°10	28°47	M28
T 29	20 51 40	11°35'34	20° 0	25°10	29°31	14°43	5° 5	27°48	7°37	24°18	1°50	18°46	18°30	17°16	28°49	T 29
W30	20 55 37	12°33'15	3♈12	25°29	0♋ 9	15°21	4°58	27°48	7°40	24°16	1°51	18°39	18°27	17°23	28°51	W30
T 31	20 59 33	13♌30'57	16♈37	25♋56	0♋49	15♍59	4♓51	27♈49	7♌44	24♓15	1♌53	18♉35	18♉23	17♐30	28♉53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n43	12s19	4s50	16n 8	2s43	17n58	5s23	13n29	1n 4	10s 6	1s17	8n 6	2s28	19n29	0n37	3s27	1s25	26n16	6n24	18n 9	17n49	24s42	17n12	2s33
W 2	22 37	6 47	4 21	15 53	2 57	17 53	5 28	13 16	1 3	10 7	1 18	8 7	2 28	19 28	0 37	3 27	1 26	26 16	6 24	18 8	17 48	24 43	17 13	2 34
T 3	22 30	0 50	3 37	15 39	3 11	17 48	5 32	13 2	1 3	10 8	1 18	8 8	2 28	19 27	0 37	3 27	1 26	26 15	6 24	18 7	17 47	24 45	17 13	2 34
F 4	22 22	5n17	2 40	15 27	3 24	17 44	5 35	12 49	1 2	10 10	1 18	8 9	2 29	19 26	0 37	3 28	1 26	26 15	6 24	18 7	17 46	24 47	17 14	2 34
S 5	22 15	11 19	1 33	15 17	3 37	17 41	5 38	12 35	1 1	10 11	1 18	8 9	2 29	19 25	0 37	3 28	1 26	26 15	6 25	18 7	17 45	24 48	17 14	2 34
S 6	22 7	16 55	0 18	15 8	3 50	17 39	5 40	12 22	1 1	10 12	1 19	8 10	2 29	19 24	0 37	3 28	1 26	26 14	6 25	18 8	17 44	24 50	17 15	2 34
M 7	21 58	21 41	0n59	15 1	4 1	17 37	5 42	12 8	1 0	10 14	1 19	8 11	2 29	19 23	0 37	3 28	1 26	26 14	6 25	18 7	17 44	24 51	17 15	2 35
T 8	21 49	25 8	2 14	14 56	4 12	17 35	5 43	11 54	1 0	10 15	1 19	8 12	2 30	19 22	0 37	3 28	1 26	26 13	6 25	18 7	17 43	24 53	17 16	2 35
W 9	21 40	26 52	3 20	14 53	4 22	17 34	5 44	11 40	0 59	10 17	1 20	8 13	2 30	19 21	0 37	3 29	1 26	26 13	6 25	18 6	17 42	24 54	17 16	2 35
T 10	21 31	26 38	4 12	14 52	4 31	17 34	5 45	11 26	0 59	10 18	1 20	8 13	2 30	19 20	0 37	3 29	1 26	26 13	6 25	18 4	17 41	24 56	17 17	2 35
F 11	21 21	24 30	4 47	14 53	4 38	17 34	5 45	11 12	0 58	10 20	1 20	8 14	2 30	19 20	0 37	3 29	1 26	26 12	6 25	18 1	17 40	24 58	17 17	2 36
S 12	21 10	20 47	5 3	14 56	4 44	17 35	5 45	10 58	0 57	10 22	1 20	8 14	2 31	19 19	0 37	3 30	1 26	26 12	6 25	17 59	17 39	24 59	17 18	2 36
S 13	21 0	15 56	4 59	15 1	4 49	17 36	5 44	10 44	0 57	10 24	1 21	8 15	2 31	19 18	0 37	3 30	1 26	26 12	6 25	17 56	17 38	25 1	17 18	2 36
M14	20 49	10 23	4 37	15 8	4 51	17 38	5 43	10 30	0 56	10 26	1 21	8 16	2 31	19 17	0 37	3 30	1 26	26 11	6 25	17 54	17 38	25 2	17 18	2 36
T 15	20 37	4 33	4 1	15 16	4 52	17 40	5 42	10 15	0 56	10 28	1 21	8 16	2 31	19 16	0 37	3 31	1 26	26 11	6 25	17 52	17 37	25 4	17 19	2 36
W16	20 25	1s18	3 14	15 27	4 52	17 42	5 40	10 1	0 55	10 30	1 22	8 17	2 32	19 15	0 37	3 31	1 26	26 11	6 25	17 52	17 36	25 5	17 19	2 37
T 17	20 13	6 56	2 18	15 39	4 49	17 45	5 39	9 46	0 55	10 32	1 22	8 17	2 32	19 14	0 37	3 31	1 26	26 10	6 25	17 51	17 35	25 7	17 20	2 37
F 18	20 1	12 10	1 17	15 52	4 45	17 48	5 36	9 32	0 54	10 34	1 22	8 17	2 32	19 13	0 37	3 32	1 26	26 10	6 25	17 51	17 34	25 8	17 20	2 37
S 19	19 48	16 52	0 15	16 6	4 39	17 52	5 34	9 17	0 53	10 36	1 22	8 18	2 33	19 12	0 37	3 32	1 26	26 10	6 25	17 51	17 33	25 10	17 20	2 37
S 20	19 35	20 52	0s48	16 22	4 31	17 55	5 31	9 2	0 53	10 38	1 23	8 18	2 33	19 11	0 37	3 32	1 26	26 9	6 25	17 51	17 32	25 11	17 21	2 38
M21	19 22	23 59	1 49	16 38	4 22	17 59	5 29	8 47	0 52	10 40	1 23	8 18	2 33	19 10	0 37	3 33	1 26	26 9	6 25	17 51	17 31	25 13	17 21	2 38
T 22	19 8	26 5	2 44	16 54	4 11	18 3	5 26	8 33	0 52	10 43	1 23	8 19	2 33	19 9	0 37	3 33	1 27	26 9	6 25	17 49	17 31	25 14	17 21	2 38
W23	18 54	27 1	3 33	17 11	3 58	18 7	5 22	8 18	0 51	10 45	1 23	8 19	2 34	19 8	0 37	3 34	1 27	26 8	6 26	17 48	17 30	25 16	17 21	2 38
T 24	18 39	26 40	4 13	17 29	3 45	18 11	5 19	8 3	0 50	10 47	1 24	8 19	2 34	19 7	0 37	3 34	1 27	26 8	6 26	17 45	17 29	25 17	17 22	2 39
F 25	18 25	25 1	4 42	17 46	3 30	18 16	5 15	7 48	0 50	10 50	1 24	8 19	2 34	19 6	0 37	3 34	1 27	26 8	6 26	17 42	17 28	25 18	17 22	2 39
S 26	18 10	22 10	4 58	18 2	3 15	18 20	5 11	7 32	0 49	10 52	1 24	8 19	2 34	19 5	0 37	3 35	1 27	26 7	6 26	17 38	17 27	25 20	17 22	2 39
S 27	17 54	18 14	4 59	18 19	2 59	18 25	5 7	7 17	0 49	10 55	1 24	8 19	2 35	19 4	0 37	3 35	1 27	26 7	6 26	17 35	17 26	25 21	17 22	2 40
M28	17 39	13 25	4 46	18 34	2 42	18 29	5 3	7 2	0 48	10 58	1 24	8 19	2 35	19 4	0 37	3 36	1 27	26 7	6 26	17 32	17 25	25 23	17 23	2 40
T 29	17 23	7 55	4 18	18 49	2 25	18 34	4 59	6 47	0 48	11 0	1 25	8 19	2 35	19 3	0 37	3 36	1 27	26 6	6 26	17 29	17 24	25 24	17 23	2 40
W30	17 7	2 0	3 35	19 2	2 8	18 38	4 55	6 31	0 47	11 3	1 25	8 19	2 35	19 2	0 37	3 37	1 27	26 6	6 26	17 27	17 24	25 26	17 23	2 40
T 31	16n50	4n 6	2s40	19n14	1s51	18n42	4s50	6n16	0n46	11s 6	1s25	8n19	2s36	19n 1	0n37	3s37	1s27	26n 6	6n26	17n26	17n23	25s27	17n23	2s41

Julian Day Number = 2160634.5, Delta T = 13m14s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'02, Lahiri = 12°45'03 Julian Calendar 1 July 1203 == Greg. Calendar 8 July 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

AUGUST 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 3 30	14♌28'41	0♉13	26♋30	1♋29	16♍37	4°R44	27♈49	7♌48	24°R14	1♌55	18°R33	18♉20	17♐36	28♉55	F 1
S 2	21 7 27	15°26'26	14° 2	27°11	2°11	17°16	4♓37	27°49	7°51	24♓13	1°57	18♉33	18°17	17°43	28°57	S 2
S 3	21 11 23	16°24'14	28° 4	28° 0	2°53	17°54	4°30	27°50	7°55	24°12	1°58	18°32	18°14	17°50	28°59	S 3
M 4	21 15 20	17°22'03	12♊18	28°56	3°37	18°32	4°23	27°R50	7°59	24°10	2° 0	18°31	18°11	17°56	29° 0	M 4
T 5	21 19 16	18°19'54	26°45	29°58	4°21	19°11	4°16	27°50	8° 3	24° 9	2° 2	18°28	18° 7	18° 3	29° 2	T 5
W 6	21 23 13	19°17'47	11♋19	1♌ 7	5° 7	19°49	4° 8	27°49	8° 6	24° 8	2° 4	18°22	18° 4	18°10	29° 4	W 6
T 7	21 27 9	20°15'42	25°55	2°22	5°53	20°28	4° 1	27°49	8°10	24° 7	2° 5	18°14	18° 1	18°16	29° 5	T 7
F 8	21 31 6	21°13'38	10♌28	3°42	6°40	21° 7	3°53	27°49	8°14	24° 5	2° 7	18° 3	17°58	18°23	29° 7	F 8
S 9	21 35 2	22°11'36	24°50	5° 8	7°28	21°45	3°46	27°48	8°17	24° 4	2° 9	17°51	17°55	18°30	29° 8	S 9
S 10	21 38 59	23° 9'36	8♍54	6°39	8°16	22°24	3°38	27°47	8°21	24° 3	2°10	17°40	17°52	18°36	29° 9	S 10
M11	21 42 56	24° 7'37	22°36	8°15	9° 6	23° 3	3°30	27°47	8°25	24° 1	2°12	17°30	17°48	18°43	29°11	M11
T 12	21 46 52	25° 5'39	5♎53	9°54	9°56	23°42	3°22	27°46	8°28	24° 0	2°14	17°22	17°45	18°50	29°12	T 12
W13	21 50 49	26° 3'43	18°46	11°37	10°47	24°20	3°15	27°45	8°32	23°58	2°15	17°17	17°42	18°56	29°13	W13
T 14	21 54 45	27° 1'49	1♏17	13°23	11°38	24°59	3° 7	27°44	8°35	23°57	2°17	17°14	17°39	19° 3	29°14	T 14
F 15	21 58 42	27°59'55	13°30	15°12	12°30	25°38	2°59	27°43	8°39	23°56	2°19	17°D13	17°36	19°10	29°15	F 15
S 16	22 2 38	28°58'04	25°29	17° 3	13°23	26°17	2°51	27°41	8°42	23°54	2°20	17°R13	17°33	19°16	29°16	S 16
S 17	22 6 35	29°56'14	7♐21	18°55	14°17	26°56	2°43	27°40	8°46	23°53	2°22	17°13	17°29	19°23	29°17	S 17
M18	22 10 31	0♍54'25	19°10	20°49	15°11	27°36	2°35	27°39	8°50	23°51	2°24	17°12	17°26	19°30	29°18	M18
T 19	22 14 28	1°52'39	1♑ 1	22°43	16° 5	28°15	2°27	27°37	8°53	23°50	2°25	17° 8	17°23	19°36	29°19	T 19
W20	22 18 25	2°50'53	13° 0	24°38	17° 0	28°54	2°19	27°35	8°57	23°48	2°27	17° 2	17°20	19°43	29°19	W20
T 21	22 22 21	3°49'09	25°11	26°34	17°56	29°33	2°11	27°34	9° 0	23°47	2°28	16°54	17°17	19°50	29°20	T 21
F 22	22 26 18	4°47'27	7♒35	28°29	18°52	0♎13	2° 3	27°32	9° 3	23°45	2°30	16°43	17°13	19°56	29°20	F 22
S 23	22 30 14	5°45'47	20°14	0♍24	19°49	0°52	1°55	27°30	9° 7	23°43	2°32	16°31	17°10	20° 3	29°21	S 23
S 24	22 34 11	6°44'08	3♓10	2°19	20°46	1°31	1°47	27°28	9°10	23°42	2°33	16°19	17° 7	20°10	29°21	S 24
M25	22 38 7	7°42'31	16°20	4°14	21°44	2°11	1°40	27°26	9°14	23°40	2°35	16° 8	17° 4	20°16	29°22	M25
T 26	22 42 4	8°40'57	29°44	6° 8	22°42	2°50	1°32	27°23	9°17	23°39	2°36	15°59	17° 1	20°23	29°22	T 26
W27	22 46 0	9°39'24	13♈19	8° 1	23°41	3°30	1°24	27°21	9°20	23°37	2°38	15°53	16°58	20°30	29°22	W27
T 28	22 49 57	10°37'53	27° 3	9°53	24°40	4°10	1°16	27°19	9°24	23°36	2°39	15°49	16°54	20°36	29°22	T 28
F 29	22 53 54	11°36'24	10♉55	11°44	25°39	4°49	1° 8	27°16	9°27	23°34	2°41	15°D47	16°51	20°43	29°22	F 29
S 30	22 57 50	12°34'58	24°53	13°35	26°39	5°29	1° 1	27°13	9°30	23°32	2°42	15°47	16°48	20°50	29°R22	S 30
S 31	23 1 47	13♍33'34	8♊57	15♍25	27♋39	6♎ 9	0♓53	27♈11	9♌34	23♓31	2♌43	15°R48	16♉45	20♐56	29♉22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n34	10n 7	1s35	19n25	1s34	18n47	4s45	6n 0	0n46	11s 8	1s25	8n19	2s36	19n 0	0n37	3s38	1s27	26n 5	6n26	17n25	17n22	25s28	17n23	2s41	F 1
S 2	16 17	15 44	0 24	19 33	1 17	18 51	4 41	5 45	0 45	11 11	1 25	8 19	2 36	18 59	0 37	3 38	1 27	26 5	6 27	17 25	17 21	25 30	17 23	2 41	S 2
S 3	15 59	20 38	0n50	19 40	1 0	18 55	4 36	5 29	0 45	11 14	1 26	8 19	2 37	18 58	0 37	3 39	1 27	26 5	6 27	17 25	17 20	25 31	17 24	2 41	S 3
M 4	15 42	24 23	2 2	19 45	0 44	18 59	4 31	5 14	0 44	11 17	1 26	8 18	2 37	18 57	0 37	3 39	1 27	26 4	6 27	17 25	17 19	25 33	17 24	2 42	M 4
T 5	15 24	26 37	3 7	19 47	0 29	19 2	4 26	4 58	0 44	11 19	1 26	8 18	2 37	18 56	0 37	3 40	1 27	26 4	6 27	17 24	17 18	25 34	17 24	2 42	T 5
W 6	15 6	27 3	4 0	19 47	0 13	19 6	4 21	4 42	0 43	11 22	1 26	8 18	2 37	18 55	0 37	3 40	1 27	26 4	6 27	17 22	17 17	25 35	17 24	2 42	W 6
T 7	14 48	25 36	4 38	19 44	0n 1	19 9	4 16	4 27	0 42	11 25	1 26	8 17	2 38	18 54	0 37	3 41	1 27	26 4	6 27	17 20	17 16	25 37	17 24	2 42	T 7
F 8	14 29	22 28	4 58	19 39	0 14	19 12	4 11	4 11	0 42	11 28	1 26	8 17	2 38	18 53	0 37	3 42	1 27	26 3	6 27	17 17	17 16	25 38	17 24	2 43	F 8
S 9	14 10	17 59	4 58	19 30	0 27	19 15	4 5	3 55	0 41	11 31	1 27	8 17	2 38	18 52	0 37	3 42	1 27	26 3	6 27	17 14	17 15	25 39	17 24	2 43	S 9
S 10	13 51	12 36	4 40	19 19	0 39	19 18	4 0	3 39	0 41	11 34	1 27	8 16	2 38	18 51	0 37	3 43	1 27	26 3	6 28	17 10	17 14	25 41	17 24	2 43	S 10
M11	13 32	6 43	4 7	19 5	0 50	19 20	3 55	3 23	0 40	11 37	1 27	8 16	2 39	18 50	0 37	3 43	1 27	26 2	6 28	17 8	17 13	25 42	17 24	2 44	M11
T 12	13 13	0 43	3 20	18 48	1 0	19 22	3 49	3 7	0 39	11 40	1 27	8 15	2 39	18 49	0 37	3 44	1 27	26 2	6 28	17 5	17 12	25 43	17 24	2 44	T 12
W13	12 53	5s 9	2 25	18 29	1 9	19 23	3 44	2 51	0 39	11 43	1 27	8 15	2 39	18 48	0 37	3 44	1 27	26 2	6 28	17 4	17 11	25 45	17 24	2 44	W13
T 14	12 33	10 40	1 23	18 6	1 17	19 24	3 38	2 35	0 38	11 46	1 27	8 14	2 39	18 47	0 37	3 45	1 27	26 2	6 28	17 3	17 10	25 46	17 24	2 44	T 14
F 15	12 13	15 39	0 20	17 41	1 24	19 25	3 33	2 19	0 38	11 49	1 27	8 13	2 40	18 47	0 37	3 46	1 27	26 1	6 28	17 3	17 9	25 47	17 24	2 45	F 15
S 16	11 53	19 55	0s44	17 14	1 30	19 26	3 27	2 3	0 37	11 52	1 27	8 13	2 40	18 46	0 37	3 46	1 27	26 1	6 28	17 3	17 8	25 49	17 24	2 45	S 16
S 17	11 33	23 21	1 45	16 44	1 35	19 26	3 22	1 47	0 36	11 55	1 28	8 12	2 40	18 45	0 37	3 47	1 28	26 1	6 29	17 3	17 8	25 50	17 24	2 45	S 17
M18	11 12	25 46	2 41	16 11	1 40	19 26	3 16	1 31	0 36	11 58	1 28	8 11	2 40	18 44	0 37	3 47	1 28	26 1	6 29	17 2	17 7	25 51	17 24	2 46	M18
T 19	10 51	27 3	3 30	15 37	1 43	19 25	3 10	1 14	0 35	12 1	1 28	8 10	2 41	18 43	0 37	3 48	1 28	26 1	6 29	17 2	17 6	25 53	17 24	2 46	T 19
W20	10 30	27 4	4 11	15 1	1 45	19 24	3 5	0 58	0 35	12 4	1 28	8 10	2 41	18 42	0 37	3 49	1 28	26 0	6 29	17 0	17 5	25 54	17 23	2 46	W20
T 21	10 9	25 47	4 41	14 23	1 47	19 23	2 59	0 42	0 34	12 6	1 28	8 9	2 41	18 41	0 37	3 49	1 28	26 0	6 29	16 57	17 4	25 55	17 23	2 46	T 21
F 22	9 48	23 15	4 58	13 44	1 48	19 21	2 53	0 26	0 34	12 9	1 28	8 8	2 41	18 40	0 37	3 50	1 28	26 0	6 29	16 54	17 3	25 56	17 23	2 47	F 22
S 23	9 26	19 33	5 1	13 4	1 48	19 19	2 48	0 9	0 33	12 12	1 28	8 7	2 42	18 39	0 37	3 51	1 28	26 0	6 29	16 51	17 2	25 58	17 23	2 47	S 23
S 24	9 5	14 52	4 49	12 22	1 48	19 16	2 42	0s 7	0 32	12 15	1 28	8 6	2 42	18 38	0 37	3 51	1 28	25 59	6 30	16 48	17 1	25 59	17 23	2 47	S 24
M25	8 43	9 25	4 21	11 39	1 46	19 13	2 36	0 23	0 32	12 18	1 28	8 5	2 42	18 38	0 37	3 52	1 28	25 59	6 30	16 44	17 0	26 0	17 23	2 48	M25
T 26	8 21	3 27	3 39	10 55	1 45	19 9	2 31	0 39	0 31	12 21	1 28	8 4	2 42	18 37	0 37	3 53	1 28	25 59	6 30	16 42	16 59	26 1	17 22	2 48	T 26
W27	7 59	2n46	2 44	10 11	1 42	19 5	2 25	0 56	0 31	12 24	1 28	8 3	2 42	18 36	0 37	3 53	1 28	25 59	6 30	16 40	16 58	26 3	17 22	2 48	W27
T 28	7 37	8 57	1 38	9 26	1 40	19 0	2 19	1 12	0 30	12 27	1 28	8 2	2 43	18 35	0 37	3 54	1 28	25 59	6 30	16 39	16 58	26 4	17 22	2 48	T 28
F 29	7 14	14 45	0 26	8 40	1 36	18 55	2 14	1 28	0 29	12 29	1 28	8 1	2 43	18 34	0 37	3 55	1 28	25 59	6 31	16 38	16 57	26 5	17 22	2 49	F 29
S 30	6 52	19 51	0n48	7 54	1 33	18 49	2 8	1 45	0 29	12 32	1 28	8 0	2 43	18 33	0 37	3 55	1 28	25 58	6 31	16 38	16 56	26 6	17 21	2 49	S 30
S 31	6n29	23n52	2n 0	7n 8	1n29	18n43	2s 2	2s 1	0n28	12s35	1s28	7n58	2s43	18n32	0n37	3s56	1s28	25n58	6n31	16n38	16n55	26s 7	17n21	2s49	S 31

Julian Day Number = 2160665.5, Delta T = 13m14s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'07, Lahiri = 12°45'07 Julian Calendar 1 Aug. 1203 == Greg. Calendar 8 Aug. 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

SEPTEMBER 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 5 43	14♍32'12	23♊ 5	17♍13	28♋40	6♎49	0°R46	27°R 8	9♑37	23°R29	2♑45	15°R48	16♉42	21♐ 3	29°R22	M 1
T 2	23 9 40	15°30'53	7♋16	19° 1	29°41	7°29	0♓38	27♈ 5	9°40	23♓27	2°46	15♉46	16°39	21°10	29♉22	T 2
W 3	23 13 36	16°29'36	21°29	20°47	0♑42	8° 9	0°31	27° 2	9°43	23°26	2°48	15°42	16°35	21°16	29°22	W 3
T 4	23 17 33	17°28'21	5♑40	22°33	1°44	8°49	0°24	26°59	9°46	23°24	2°49	15°35	16°32	21°23	29°22	T 4
F 5	23 21 29	18°27'08	19°47	24°18	2°46	9°29	0°16	26°56	9°49	23°22	2°50	15°27	16°29	21°30	29°21	F 5
S 6	23 25 26	19°25'58	3♍43	26° 2	3°49	10° 9	0° 9	26°52	9°53	23°21	2°52	15°17	16°26	21°36	29°21	S 6
S 7	23 29 23	20°24'49	17°25	27°44	4°52	10°49	0° 2	26°49	9°56	23°19	2°53	15° 8	16°23	21°43	29°20	S 7
M 8	23 33 19	21°23'43	0♎50	29°26	5°55	11°29	29♒55	26°46	9°59	23°17	2°54	15° 0	16°19	21°50	29°20	M 8
T 9	23 37 16	22°22'39	13°56	1♎ 7	6°58	12° 9	29°49	26°42	10° 2	23°16	2°55	14°53	16°16	21°56	29°19	T 9
W10	23 41 12	23°21'36	26°42	2°47	8° 2	12°50	29°42	26°39	10° 5	23°14	2°57	14°50	16°13	22° 3	29°18	W10
T 11	23 45 9	24°20'35	9♏ 9	4°26	9° 6	13°30	29°35	26°35	10° 8	23°12	2°58	14°D48	16°10	22°10	29°17	T 11
F 12	23 49 5	25°19'37	21°21	6° 4	10°10	14°11	29°29	26°31	10°10	23°11	2°59	14°48	16° 7	22°16	29°16	F 12
S 13	23 53 2	26°18'40	3♐20	7°42	11°15	14°51	29°23	26°28	10°13	23° 9	3° 0	14°49	16° 4	22°23	29°16	S 13
S 14	23 56 58	27°17'45	15°12	9°18	12°20	15°32	29°17	26°24	10°16	23° 7	3° 2	14°50	16° 0	22°30	29°15	S 14
M15	0 0 55	28°16'52	27° 2	10°54	13°25	16°12	29°10	26°20	10°19	23° 6	3° 3	14°R51	15°57	22°36	29°13	M15
T 16	0 4 51	29°16'01	8♑54	12°28	14°30	16°53	29° 5	26°16	10°22	23° 4	3° 4	14°50	15°54	22°43	29°12	T 16
W17	0 8 48	0♎15'11	20°54	14° 2	15°36	17°34	28°59	26°12	10°24	23° 2	3° 5	14°48	15°51	22°50	29°11	W17
T 18	0 12 45	1°14'24	3♒ 7	15°36	16°42	18°14	28°53	26° 8	10°27	23° 1	3° 6	14°44	15°48	22°56	29°10	T 18
F 19	0 16 41	2°13'38	15°36	17° 8	17°48	18°55	28°48	26° 3	10°30	22°59	3° 7	14°38	15°44	23° 3	29° 9	F 19
S 20	0 20 38	3°12'54	28°25	18°40	18°54	19°36	28°43	25°59	10°32	22°58	3° 8	14°31	15°41	23°10	29° 7	S 20
S 21	0 24 34	4°12'12	11♓33	20°11	20° 1	20°17	28°38	25°55	10°35	22°56	3° 9	14°24	15°38	23°16	29° 6	S 21
M22	0 28 31	5°11'32	25° 1	21°41	21° 7	20°58	28°33	25°51	10°37	22°54	3°10	14°18	15°35	23°23	29° 4	M22
T 23	0 32 27	6°10'54	8♈47	23°10	22°14	21°39	28°28	25°46	10°40	22°53	3°11	14°12	15°32	23°30	29° 3	T 23
W24	0 36 24	7°10'18	22°48	24°39	23°22	22°20	28°23	25°42	10°42	22°51	3°12	14° 9	15°29	23°36	29° 1	W24
T 25	0 40 20	8° 9'44	6♉58	26° 6	24°29	23° 1	28°19	25°37	10°45	22°49	3°13	14° 7	15°25	23°43	28°59	T 25
F 26	0 44 17	9° 9'12	21°15	27°33	25°37	23°42	28°15	25°33	10°47	22°48	3°14	14°D 7	15°22	23°50	28°58	F 26
S 27	0 48 14	10° 8'43	5♊34	29° 0	26°45	24°23	28°10	25°28	10°49	22°46	3°15	14° 8	15°19	23°56	28°56	S 27
S 28	0 52 10	11° 8'16	19°52	0♏25	27°53	25° 5	28° 7	25°24	10°52	22°45	3°16	14°10	15°16	24° 3	28°54	S 28
M29	0 56 7	12° 7'52	4♋ 6	1°50	29° 1	25°46	28° 3	25°19	10°54	22°43	3°16	14°11	15°13	24°10	28°52	M29
T 30	1 0 3	13♎ 7'30	18♋13	3♏13	0♍ 9	26♎27	27♒59	25♈14	10♑56	22♓42	3♑17	14°R11	15♉10	24♐16	28♉50	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n 7	26n27	3n 5	6n22	1n24	18n37	1s57	2s18	0n28	12s37	1s28	7n57	2s44	18n31	0n38	3s57	1s28	25n58	6n31	16n38	16n54	26s 9	17n21	2s50
T 2	5 44	27 19	3 59	5 35	1 19	18 30	1 51	2 34	0 27	12 40	1 28	7 56	2 44	18 31	0 38	3 57	1 28	25 58	6 31	16 38	16 53	26 10	17 20	2 50
W 3	5 21	26 24	4 38	4 48	1 14	18 22	1 46	2 50	0 26	12 43	1 28	7 55	2 44	18 30	0 38	3 58	1 28	25 58	6 31	16 37	16 52	26 11	17 20	2 50
T 4	4 58	23 47	5 0	4 1	1 9	18 14	1 40	3 7	0 26	12 45	1 28	7 53	2 44	18 29	0 38	3 59	1 28	25 58	6 32	16 35	16 51	26 12	17 20	2 50
F 5	4 35	19 45	5 4	3 15	1 3	18 5	1 35	3 23	0 25	12 48	1 28	7 52	2 44	18 28	0 38	3 59	1 28	25 58	6 32	16 32	16 50	26 13	17 19	2 51
S 6	4 12	14 41	4 49	2 28	0 58	17 56	1 29	3 39	0 25	12 50	1 28	7 51	2 45	18 27	0 38	4 0	1 28	25 57	6 32	16 29	16 49	26 14	17 19	2 51
S 7	3 49	8 57	4 18	1 41	0 52	17 47	1 24	3 56	0 24	12 53	1 28	7 49	2 45	18 27	0 38	4 1	1 28	25 57	6 32	16 27	16 48	26 16	17 19	2 51
M 8	3 26	2 55	3 33	0 55	0 45	17 37	1 18	4 12	0 23	12 55	1 28	7 48	2 45	18 26	0 38	4 1	1 28	25 57	6 32	16 24	16 48	26 17	17 18	2 52
T 9	3 2	3s 6	2 38	0 9	0 39	17 26	1 13	4 29	0 23	12 58	1 28	7 47	2 45	18 25	0 38	4 2	1 28	25 57	6 33	16 23	16 47	26 18	17 18	2 52
W10	2 39	8 51	1 36	0s37	0 33	17 15	1 8	4 45	0 22	13 0	1 28	7 45	2 45	18 24	0 38	4 3	1 28	25 57	6 33	16 21	16 46	26 19	17 17	2 52
T 11	2 15	14 8	0 30	1 22	0 26	17 3	1 2	5 1	0 22	13 2	1 28	7 44	2 45	18 23	0 38	4 3	1 28	25 57	6 33	16 21	16 45	26 20	17 17	2 52
F 12	1 52	18 45	0s35	2 8	0 19	16 51	0 57	5 17	0 21	13 4	1 28	7 42	2 46	18 23	0 38	4 4	1 28	25 57	6 33	16 21	16 44	26 21	17 16	2 53
S 13	1 28	22 32	1 38	2 53	0 12	16 39	0 52	5 34	0 20	13 6	1 28	7 41	2 46	18 22	0 38	4 5	1 28	25 57	6 34	16 21	16 43	26 22	17 16	2 53
S 14	1 5	25 19	2 37	3 37	0 5	16 26	0 47	5 50	0 20	13 9	1 28	7 39	2 46	18 21	0 38	4 5	1 28	25 57	6 34	16 22	16 42	26 23	17 15	2 53
M15	0 41	26 59	3 28	4 21	0s 2	16 12	0 42	6 6	0 19	13 11	1 27	7 38	2 46	18 20	0 38	4 6	1 28	25 57	6 34	16 22	16 41	26 25	17 15	2 54
T 16	0 18	27 25	4 11	5 5	0 9	15 58	0 37	6 22	0 19	13 13	1 27	7 36	2 46	18 20	0 38	4 7	1 28	25 57	6 34	16 22	16 40	26 26	17 14	2 54
W17	0s 6	26 34	4 43	5 48	0 16	15 43	0 32	6 39	0 18	13 14	1 27	7 35	2 46	18 19	0 38	4 7	1 28	25 56	6 34	16 21	16 39	26 27	17 14	2 54
T 18	0 30	24 27	5 3	6 31	0 23	15 28	0 27	6 55	0 17	13 16	1 27	7 33	2 46	18 18	0 38	4 8	1 28	25 56	6 35	16 20	16 38	26 28	17 13	2 54
F 19	0 53	21 9	5 9	7 13	0 30	15 13	0 22	7 11	0 17	13 18	1 27	7 31	2 46	18 18	0 38	4 8	1 28	25 56	6 35	16 18	16 37	26 29	17 13	2 55
S 20	1 17	16 46	5 0	7 55	0 37	14 57	0 18	7 27	0 16	13 20	1 27	7 30	2 47	18 17	0 38	4 9	1 28	25 56	6 35	16 16	16 37	26 30	17 12	2 55
S 21	1 41	11 30	4 36	8 36	0 44	14 40	0 13	7 43	0 16	13 22	1 27	7 28	2 47	18 16	0 38	4 10	1 28	25 56	6 35	16 14	16 36	26 31	17 12	2 55
M22	2 4	5 35	3 55	9 17	0 51	14 23	0 8	7 59	0 15	13 23	1 27	7 26	2 47	18 16	0 38	4 10	1 28	25 56	6 36	16 12	16 35	26 32	17 11	2 55
T 23	2 28	0n44	3 0	9 57	0 58	14 6	0 4	8 15	0 14	13 25	1 27	7 25	2 47	18 15	0 38	4 11	1 28	25 56	6 36	16 10	16 34	26 33	17 10	2 56
W24	2 52	7 9	1 54	10 36	1 5	13 48	0n 1	8 31	0 14	13 26	1 26	7 23	2 47	18 14	0 38	4 12	1 28	25 56	6 36	16 9	16 33	26 34	17 10	2 56
T 25	3 15	13 17	0 39	11 15	1 12	13 30	0 5	8 47	0 13	13 28	1 26	7 21	2 47	18 14	0 38	4 12	1 28	25 56	6 36	16 9	16 32	26 35	17 9	2 56
F 26	3 39	18 47	0n39	11 53	1 19	13 11	0 10	9 3	0 13	13 29	1 26	7 20	2 47	18 13	0 38	4 13	1 28	25 56	6 36	16 9	16 31	26 36	17 9	2 57
S 27	4 2	23 12	1 55	12 30	1 26	12 52	0 14	9 19	0 12	13 30	1 26	7 18	2 47	18 12	0 38	4 14	1 28	25 56	6 37	16 9	16 30	26 37	17 8	2 57
S 28	4 26	26 12	3 3	13 6	1 32	12 33	0 18	9 34	0 11	13 31	1 26	7 16	2 47	18 12	0 38	4 14	1 28	25 56	6 37	16 9	16 29	26 38	17 7	2 57
M29	4 49	27 29	4 0	13 42	1 39	12 13	0 22	9 50	0 11	13 33	1 26	7 14	2 47	18 11	0 38	4 15	1 28	25 56	6 37	16 10	16 28	26 39	17 7	2 57
T 30	5s12	26n57	4n42	14s17	1s45	11n53	0n26	10s 6	0n10	13s34	1s25	7n13	2s47	18n11	0n38	4s15	1s28	25n56	6n37	16n10	16n27	26s40	17n 6	2s58

Julian Day Number = 2160696.5, Delta T = 13m14s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'11, Lahiri = 12°45'11 Julian Calendar 1 Sept. 1203 == Greg. Calendar 8 Sept. 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

OCTOBER 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 4 0	14♎ 7'10	2♌14	4♏36	1♍18	27♎ 9	27°R56	25°R10	10♌58	22°R40	3♌18	14°R10	15♉ 6	24♐23	28°R48	W 1
T 2	1 7 56	15° 6'52	16° 5	5°58	2°27	27°50	27♒53	25♈ 5	11° 0	22♓39	3°19	14♉ 7	15° 3	24°30	28♉46	T 2
F 3	1 11 53	16° 6'37	29°46	7°19	3°36	28°32	27°50	25° 0	11° 3	22°37	3°19	14° 3	15° 0	24°36	28°44	F 3
S 4	1 15 49	17° 6'24	13♍15	8°38	4°45	29°14	27°47	24°56	11° 5	22°36	3°20	13°59	14°57	24°43	28°41	S 4
S 5	1 19 46	18° 6'13	26°32	9°57	5°54	29°55	27°45	24°51	11° 6	22°34	3°21	13°55	14°54	24°50	28°39	S 5
M 6	1 23 43	19° 6'04	9♎34	11°14	7° 4	0♏37	27°42	24°46	11° 8	22°33	3°21	13°51	14°50	24°56	28°37	M 6
T 7	1 27 39	20° 5'57	22°21	12°31	8°14	1°19	27°40	24°41	11°10	22°31	3°22	13°48	14°47	25° 3	28°34	T 7
W 8	1 31 36	21° 5'52	4♏54	13°45	9°23	2° 1	27°38	24°36	11°12	22°30	3°23	13°47	14°44	25°10	28°32	W 8
T 9	1 35 32	22° 5'50	17°12	14°58	10°33	2°43	27°36	24°31	11°14	22°28	3°23	13°D47	14°41	25°17	28°30	T 9
F 10	1 39 29	23° 5'49	29°19	16°10	11°44	3°25	27°35	24°27	11°16	22°27	3°24	13°47	14°38	25°23	28°27	F 10
S 11	1 43 25	24° 5'49	11♐16	17°19	12°54	4° 7	27°33	24°22	11°17	22°26	3°24	13°49	14°35	25°30	28°24	S 11
S 12	1 47 22	25° 5'52	23° 7	18°26	14° 4	4°49	27°32	24°17	11°19	22°24	3°25	13°51	14°31	25°37	28°22	S 12
M13	1 51 18	26° 5'56	4♑56	19°31	15°15	5°31	27°31	24°12	11°20	22°23	3°25	13°52	14°28	25°43	28°19	M13
T 14	1 55 15	27° 6'02	16°48	20°34	16°25	6°13	27°30	24° 7	11°22	22°22	3°26	13°53	14°25	25°50	28°16	T 14
W15	1 59 12	28° 6'10	28°47	21°34	17°36	6°55	27°30	24° 2	11°23	22°20	3°26	13°R53	14°22	25°57	28°14	W15
T 16	2 3 8	29° 6'19	10♒58	22°30	18°47	7°37	27°30	23°58	11°25	22°19	3°26	13°53	14°19	26° 3	28°11	T 16
F 17	2 7 5	0♏ 6'30	23°25	23°23	19°58	8°20	27°D29	23°53	11°26	22°18	3°27	13°52	14°16	26°10	28° 8	F 17
S 18	2 11 1	1° 6'42	6♓13	24°12	21° 9	9° 2	27°30	23°48	11°28	22°17	3°27	13°50	14°12	26°17	28° 5	S 18
S 19	2 14 58	2° 6'56	19°25	24°56	22°20	9°44	27°30	23°43	11°29	22°16	3°27	13°49	14° 9	26°23	28° 2	S 19
M20	2 18 54	3° 7'11	3♈ 0	25°35	23°32	10°27	27°30	23°38	11°30	22°14	3°28	13°47	14° 6	26°30	27°59	M20
T 21	2 22 51	4° 7'28	17° 0	26° 9	24°43	11° 9	27°31	23°34	11°31	22°13	3°28	13°46	14° 3	26°37	27°56	T 21
W22	2 26 47	5° 7'47	1♉20	26°36	25°55	11°52	27°32	23°29	11°32	22°12	3°28	13°45	14° 0	26°43	27°53	W22
T 23	2 30 44	6° 8'07	15°55	26°57	27° 7	12°35	27°33	23°24	11°33	22°11	3°28	13°D45	13°56	26°50	27°50	T 23
F 24	2 34 41	7° 8'29	0♊40	27°10	28°19	13°17	27°34	23°20	11°34	22°10	3°28	13°45	13°53	26°57	27°47	F 24
S 25	2 38 37	8° 8'53	15°27	27°R15	29°30	14° 0	27°36	23°15	11°35	22° 9	3°29	13°46	13°50	27° 3	27°44	S 25
S 26	2 42 34	9° 9'19	0♋ 9	27°11	0♎43	14°43	27°38	23°11	11°36	22° 8	3°29	13°46	13°47	27°10	27°41	S 26
M27	2 46 30	10° 9'47	14°41	26°57	1°55	15°26	27°39	23° 6	11°37	22° 7	3°29	13°47	13°44	27°17	27°38	M27
T 28	2 50 27	11°10'17	28°58	26°33	3° 7	16° 9	27°42	23° 2	11°38	22° 6	3°29	13°47	13°41	27°23	27°35	T 28
W29	2 54 23	12°10'49	12♌59	25°59	4°19	16°52	27°44	22°57	11°39	22° 5	3°R29	13°R47	13°37	27°30	27°31	W29
T 30	2 58 20	13°11'22	26°41	25°14	5°32	17°35	27°46	22°53	11°39	22° 4	3°29	13°47	13°34	27°37	27°28	T 30
F 31	3 2 16	14♏11'58	10♍ 6	24♏20	6♎44	18♏18	27♒49	22♈48	11♌40	22♓ 3	3♌29	13°D47	13♉31	27♐43	27♉25	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s36	24n43	5n 6	14s51	1s51	11n32	0n30	10s21	0n10	13s35	1s25	7n11	2s47	18n10	0n38	4s16	1s28	25n56	6n38	16n 9	16n26	26s41	17n 5	2s58
T 2	5 59	21 3	5 13	15 25	1 57	11 11	0 34	10 37	0 9	13 36	1 25	7 9	2 48	18 10	0 38	4 17	1 28	25 57	6 38	16 9	16 25	26 42	17 5	2 58
F 3	6 22	16 18	5 1	15 57	2 3	10 49	0 38	10 52	0 8	13 36	1 25	7 7	2 48	18 9	0 39	4 17	1 28	25 57	6 38	16 8	16 24	26 43	17 4	2 58
S 4	6 45	10 49	4 33	16 29	2 9	10 27	0 42	11 8	0 8	13 37	1 25	7 6	2 48	18 9	0 39	4 18	1 28	25 57	6 38	16 6	16 23	26 44	17 3	2 59
S 5	7 8	4 55	3 51	16 59	2 14	10 5	0 45	11 23	0 7	13 38	1 25	7 4	2 48	18 8	0 39	4 18	1 28	25 57	6 39	16 5	16 23	26 45	17 2	2 59
M 6	7 31	1s 5	2 57	17 29	2 19	9 43	0 49	11 38	0 6	13 39	1 24	7 2	2 48	18 8	0 39	4 19	1 28	25 57	6 39	16 4	16 22	26 46	17 2	2 59
T 7	7 53	6 57	1 55	17 57	2 24	9 20	0 52	11 53	0 6	13 39	1 24	7 0	2 48	18 7	0 39	4 19	1 28	25 57	6 39	16 3	16 21	26 47	17 1	2 59
W 8	8 16	12 27	0 49	18 24	2 29	8 57	0 56	12 9	0 5	13 40	1 24	6 59	2 48	18 7	0 39	4 20	1 28	25 57	6 39	16 3	16 20	26 48	17 0	3 0
T 9	8 39	17 21	0s19	18 50	2 33	8 33	0 59	12 24	0 5	13 40	1 24	6 57	2 48	18 6	0 39	4 21	1 28	25 57	6 40	16 3	16 19	26 49	16 59	3 0
F 10	9 1	21 28	1 25	19 15	2 37	8 9	1 2	12 39	0 4	13 41	1 24	6 55	2 48	18 6	0 39	4 21	1 28	25 57	6 40	16 3	16 18	26 50	16 59	3 0
S 11	9 23	24 38	2 26	19 39	2 41	7 45	1 5	12 53	0 3	13 41	1 24	6 53	2 48	18 5	0 39	4 22	1 28	25 57	6 40	16 3	16 17	26 50	16 58	3 0
S 12	9 45	26 42	3 21	20 1	2 44	7 21	1 8	13 8	0 3	13 41	1 23	6 51	2 48	18 5	0 39	4 22	1 28	25 58	6 40	16 4	16 16	26 51	16 57	3 0
M13	10 7	27 33	4 6	20 22	2 47	6 56	1 11	13 23	0 2	13 41	1 23	6 50	2 48	18 5	0 39	4 23	1 28	25 58	6 41	16 4	16 15	26 52	16 56	3 1
T 14	10 29	27 9	4 42	20 41	2 49	6 31	1 14	13 38	0 2	13 41	1 23	6 48	2 48	18 4	0 39	4 23	1 28	25 58	6 41	16 5	16 14	26 53	16 55	3 1
W15	10 51	25 29	5 6	20 58	2 50	6 6	1 17	13 52	0 1	13 41	1 23	6 46	2 47	18 4	0 39	4 24	1 28	25 58	6 41	16 5	16 13	26 54	16 55	3 1
T 16	11 12	22 37	5 16	21 14	2 51	5 40	1 19	14 7	0 0	13 41	1 23	6 45	2 47	18 3	0 39	4 24	1 28	25 58	6 41	16 5	16 12	26 55	16 54	3 1
F 17	11 34	18 40	5 12	21 28	2 51	5 15	1 22	14 21	0s 0	13 41	1 22	6 43	2 47	18 3	0 39	4 25	1 28	25 58	6 42	16 4	16 11	26 56	16 53	3 2
S 18	11 55	13 48	4 53	21 40	2 51	4 49	1 24	14 35	0 1	13 41	1 22	6 41	2 47	18 3	0 39	4 25	1 28	25 58	6 42	16 4	16 10	26 57	16 52	3 2
S 19	12 16	8 9	4 18	21 50	2 50	4 23	1 27	14 49	0 2	13 41	1 22	6 39	2 47	18 2	0 39	4 25	1 28	25 59	6 42	16 3	16 9	26 57	16 51	3 2
M20	12 36	1 58	3 27	21 57	2 47	3 57	1 29	15 3	0 2	13 40	1 22	6 38	2 47	18 2	0 39	4 26	1 28	25 59	6 42	16 3	16 8	26 58	16 50	3 2
T 21	12 57	4n30	2 23	22 2	2 44	3 30	1 31	15 17	0 3	13 40	1 22	6 36	2 47	18 2	0 39	4 26	1 27	25 59	6 43	16 2	16 7	26 59	16 50	3 2
W22	13 17	10 55	1 8	22 4	2 40	3 3	1 33	15 31	0 3	13 39	1 21	6 34	2 47	18 2	0 39	4 27	1 27	25 59	6 43	16 2	16 7	27 0	16 49	3 2
T 23	13 37	16 52	0n12	22 4	2 34	2 37	1 35	15 45	0 4	13 39	1 21	6 33	2 47	18 1	0 39	4 27	1 27	25 59	6 43	16 2	16 6	27 1	16 48	3 3
F 24	13 57	21 53	1 33	22 0	2 28	2 10	1 37	15 58	0 5	13 38	1 21	6 31	2 47	18 1	0 39	4 28	1 27	26 0	6 44	16 2	16 5	27 2	16 47	3 3
S 25	14 17	25 31	2 47	21 53	2 19	1 43	1 39	16 12	0 5	13 37	1 21	6 30	2 47	18 1	0 39	4 28	1 27	26 0	6 44	16 2	16 4	27 2	16 46	3 3
S 26	14 37	27 23	3 50	21 43	2 10	1 15	1 41	16 25	0 6	13 37	1 20	6 28	2 47	18 1	0 39	4 28	1 27	26 0	6 44	16 3	16 3	27 3	16 45	3 3
M27	14 56	27 20	4 38	21 29	1 58	0 48	1 42	16 38	0 6	13 36	1 20	6 26	2 47	18 0	0 39	4 29	1 27	26 0	6 44	16 3	16 2	27 4	16 44	3 3
T 28	15 15	25 27	5 7	21 11	1 46	0 21	1 44	16 51	0 7	13 35	1 20	6 25	2 46	18 0	0 40	4 29	1 27	26 1	6 45	16 3	16 1	27 5	16 44	3 4
W29	15 34	22 3	5 17	20 49	1 31	0s 7	1 45	17 4	0 8	13 34	1 20	6 23	2 46	18 0	0 40	4 29	1 27	26 1	6 45	16 3	16 0	27 5	16 43	3 4
T 30	15 52	17 31	5 10	20 22	1 15	0 35	1 47	17 17	0 8	13 33	1 20	6 22	2 46	18 0	0 40	4 30	1 27	26 1	6 45	16 3	15 59	27 6	16 42	3 4
F 31	16s10	12n12	4n45	19s52	0s57	1s 2	1n48	17s30	0s 9	13s32	1s19	6n20	2s46	18n 0	0n40	4s30	1s27	26n 1	6n45	16n 3	15n58	27s 7	16n41	3s 4

Julian Day Number = 2160726.5, Delta T = 13m14s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'15, Lahiri = 12°45'15 Julian Calendar 1 Oct. 1203 == Greg. Calendar 8 Oct. 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

NOVEMBER 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 6 13	15♏12'35	23♍15	23°R17	7♎57	19♏ 1	27♒52	22°R44	11♌40	22°R 2	3°R29	13♉47	13♉28	27♐50	27°R22	S 1
S 2	3 10 10	16°13'14	6♎ 8	22♏ 5	9°10	19°44	27°55	22♈40	11°41	22♓ 1	3♌29	13°47	13°25	27°57	27♉18	S 2
M 3	3 14 6	17°13'54	18°48	20°48	10°22	20°27	27°58	22°36	11°41	22° 1	3°28	13°48	13°21	28° 4	27°15	M 3
T 4	3 18 3	18°14'36	1♏15	19°27	11°35	21°11	28° 2	22°31	11°42	22° 0	3°28	13°48	13°18	28°10	27°12	T 4
W 5	3 21 59	19°15'20	13°32	18° 5	12°48	21°54	28° 6	22°27	11°42	21°59	3°28	13°R48	13°15	28°17	27° 8	W 5
T 6	3 25 56	20°16'05	25°39	16°45	14° 1	22°37	28° 9	22°23	11°42	21°58	3°28	13°48	13°12	28°24	27° 5	T 6
F 7	3 29 52	21°16'51	7♐39	15°30	15°14	23°21	28°13	22°20	11°43	21°58	3°28	13°47	13° 9	28°30	27° 2	F 7
S 8	3 33 49	22°17'39	19°32	14°21	16°28	24° 4	28°18	22°16	11°43	21°57	3°27	13°46	13° 6	28°37	26°58	S 8
S 9	3 37 45	23°18'28	1♑22	13°21	17°41	24°48	28°22	22°12	11°43	21°57	3°27	13°45	13° 2	28°44	26°55	S 9
M10	3 41 42	24°19'18	13°11	12°31	18°54	25°31	28°27	22° 8	11°43	21°56	3°27	13°43	12°59	28°50	26°51	M10
T 11	3 45 39	25°20'09	25° 3	11°52	20° 7	26°15	28°32	22° 4	11°R43	21°55	3°26	13°42	12°56	28°57	26°48	T 11
W12	3 49 35	26°21'01	7♒ 0	11°25	21°21	26°59	28°37	22° 1	11°43	21°55	3°26	13°41	12°53	29° 4	26°45	W12
T 13	3 53 32	27°21'54	19° 8	11° 9	22°34	27°43	28°42	21°57	11°43	21°54	3°26	13°40	12°50	29°10	26°41	T 13
F 14	3 57 28	28°22'48	1♓30	11°D 4	23°48	28°26	28°47	21°54	11°43	21°54	3°25	13°D40	12°47	29°17	26°38	F 14
S 15	4 1 25	29°23'42	14°12	11°10	25° 1	29°10	28°53	21°51	11°42	21°54	3°25	13°40	12°43	29°24	26°34	S 15
S 16	4 5 21	0♐24'37	27°17	11°26	26°15	29°54	28°58	21°47	11°42	21°53	3°24	13°41	12°40	29°30	26°31	S 16
M17	4 9 18	1°25'34	10♈48	11°51	27°29	0♐38	29° 4	21°44	11°42	21°53	3°24	13°43	12°37	29°37	26°28	M17
T 18	4 13 14	2°26'30	24°46	12°23	28°42	1°22	29°10	21°41	11°41	21°53	3°23	13°44	12°34	29°44	26°24	T 18
W19	4 17 11	3°27'28	9♉10	13° 3	29°56	2° 6	29°17	21°38	11°41	21°52	3°23	13°R45	12°31	29°51	26°21	W19
T 20	4 21 8	4°28'27	23°58	13°50	1♏10	2°50	29°23	21°35	11°40	21°52	3°22	13°44	12°27	29°57	26°18	T 20
F 21	4 25 4	5°29'26	9♊ 1	14°42	2°24	3°34	29°30	21°33	11°40	21°52	3°21	13°43	12°24	0♑ 4	26°14	F 21
S 22	4 29 1	6°30'27	24°12	15°39	3°38	4°19	29°36	21°30	11°39	21°52	3°21	13°41	12°21	0°11	26°11	S 22
S 23	4 32 57	7°31'28	9♋19	16°40	4°52	5° 3	29°43	21°27	11°39	21°51	3°20	13°37	12°18	0°17	26° 8	S 23
M24	4 36 54	8°32'31	24°15	17°45	6° 6	5°47	29°50	21°25	11°38	21°51	3°19	13°34	12°15	0°24	26° 4	M24
T 25	4 40 50	9°33'34	8♌52	18°53	7°20	6°31	29°58	21°22	11°37	21°51	3°19	13°31	12°12	0°31	26° 1	T 25
W26	4 44 47	10°34'38	23° 4	20° 5	8°34	7°16	0♓ 5	21°20	11°36	21°51	3°18	13°28	12° 8	0°37	25°58	W26
T 27	4 48 44	11°35'44	6♍51	21°19	9°48	8° 0	0°12	21°18	11°35	21°D51	3°17	13°D27	12° 5	0°44	25°54	T 27
F 28	4 52 40	12°36'50	20°13	22°35	11° 3	8°45	0°20	21°16	11°35	21°51	3°16	13°27	12° 2	0°51	25°51	F 28
S 29	4 56 37	13°37'57	3♎12	23°52	12°17	9°29	0°28	21°14	11°34	21°51	3°16	13°29	11°59	0°57	25°48	S 29
S 30	5 0 33	14♐39'05	15♎52	25♏12	13♏31	10♐14	0♓36	21♈12	11♌33	21♓51	3♌15	13♉30	11♉56	1♑ 4	25♉45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16s28	6n27	4n 5	19s18	0s38	1s30	1n49	17s42	0s 9	13s30	1s19	6n19	2s46	18n 0	0n40	4s30	1s27	26n 2	6n46	16n 3	15n57	27s 8	16n40	3s 4	S 1
S 2	16 46	0 31	3 14	18 40	0 19	1 58	1 50	17 55	0 10	13 29	1 19	6 17	2 46	18 0	0 40	4 31	1 27	26 2	6 46	16 3	15 56	27 9	16 39	3 4	S 2
M 3	17 3	5s19	2 14	18 0	0n 2	2 26	1 51	18 7	0 11	13 28	1 19	6 16	2 46	18 0	0 40	4 31	1 27	26 2	6 46	16 3	15 55	27 9	16 38	3 4	M 3
T 4	17 20	10 53	1 9	17 18	0 23	2 53	1 52	18 19	0 11	13 26	1 19	6 15	2 45	17 59	0 40	4 31	1 27	26 2	6 46	16 3	15 54	27 10	16 37	3 5	T 4
W 5	17 37	15 57	0 2	16 36	0 43	3 21	1 52	18 31	0 12	13 25	1 18	6 13	2 45	17 59	0 40	4 31	1 27	26 3	6 47	16 3	15 53	27 11	16 36	3 5	W 5
T 6	17 53	20 19	1s 5	15 55	1 2	3 49	1 53	18 43	0 13	13 23	1 18	6 12	2 45	17 59	0 40	4 32	1 27	26 3	6 47	16 3	15 52	27 11	16 36	3 5	T 6
F 7	18 10	23 48	2 8	15 16	1 21	4 17	1 54	18 54	0 13	13 22	1 18	6 11	2 45	17 59	0 40	4 32	1 27	26 3	6 47	16 3	15 51	27 12	16 35	3 5	F 7
S 8	18 25	26 13	3 5	14 40	1 37	4 45	1 54	19 6	0 14	13 20	1 18	6 9	2 45	17 59	0 40	4 32	1 27	26 4	6 47	16 3	15 50	27 13	16 34	3 5	S 8
S 9	18 41	27 26	3 54	14 8	1 52	5 12	1 54	19 17	0 14	13 18	1 18	6 8	2 44	17 59	0 40	4 32	1 27	26 4	6 48	16 2	15 49	27 13	16 33	3 5	S 9
M10	18 56	27 25	4 33	13 41	2 5	5 40	1 55	19 28	0 15	13 16	1 17	6 7	2 44	17 59	0 40	4 33	1 27	26 4	6 48	16 2	15 48	27 14	16 32	3 5	M10
T 11	19 11	26 8	5 0	13 19	2 15	6 8	1 55	19 39	0 16	13 15	1 17	6 6	2 44	17 59	0 40	4 33	1 27	26 5	6 48	16 1	15 47	27 15	16 31	3 5	T 11
W12	19 25	23 40	5 14	13 3	2 23	6 35	1 55	19 50	0 16	13 13	1 17	6 5	2 44	17 59	0 40	4 33	1 27	26 5	6 48	16 1	15 46	27 15	16 30	3 6	W12
T 13	19 39	20 8	5 15	12 52	2 30	7 2	1 55	20 1	0 17	13 11	1 17	6 4	2 44	18 0	0 40	4 33	1 27	26 5	6 49	16 1	15 45	27 16	16 29	3 6	T 13
F 14	19 53	15 40	5 1	12 46	2 34	7 30	1 55	20 11	0 17	13 9	1 17	6 2	2 43	18 0	0 40	4 33	1 27	26 6	6 49	16 1	15 44	27 17	16 29	3 6	F 14
S 15	20 7	10 26	4 33	12 45	2 37	7 57	1 55	20 21	0 18	13 6	1 16	6 1	2 43	18 0	0 40	4 33	1 27	26 6	6 49	16 1	15 43	27 17	16 28	3 6	S 15
S 16	20 20	4 35	3 49	12 49	2 38	8 24	1 54	20 31	0 19	13 4	1 16	6 0	2 43	18 0	0 40	4 33	1 27	26 6	6 49	16 1	15 43	27 18	16 27	3 6	S 16
M17	20 32	1n39	2 52	12 57	2 38	8 51	1 54	20 41	0 19	13 2	1 16	5 59	2 43	18 0	0 40	4 34	1 27	26 7	6 50	16 1	15 42	27 19	16 26	3 6	M17
T 18	20 44	8 2	1 43	13 8	2 37	9 18	1 54	20 51	0 20	13 0	1 16	5 59	2 43	18 0	0 40	4 34	1 27	26 7	6 50	16 2	15 41	27 19	16 25	3 6	T 18
W19	20 56	14 13	0 25	13 22	2 34	9 44	1 53	21 0	0 20	12 57	1 16	5 58	2 42	18 0	0 40	4 34	1 26	26 7	6 50	16 2	15 40	27 20	16 24	3 6	W19
T 20	21 8	19 45	0n56	13 39	2 31	10 10	1 53	21 10	0 21	12 55	1 15	5 57	2 42	18 0	0 40	4 34	1 26	26 8	6 50	16 2	15 39	27 21	16 23	3 6	T 20
F 21	21 19	24 7	2 15	13 59	2 27	10 36	1 52	21 19	0 22	12 52	1 15	5 56	2 42	18 1	0 41	4 34	1 26	26 8	6 51	16 2	15 38	27 21	16 23	3 6	F 21
S 22	21 29	26 49	3 25	14 20	2 22	11 2	1 51	21 28	0 22	12 50	1 15	5 55	2 42	18 1	0 41	4 34	1 26	26 9	6 51	16 1	15 37	27 22	16 22	3 6	S 22
S 23	21 40	27 32	4 20	14 43	2 17	11 28	1 50	21 37	0 23	12 47	1 15	5 54	2 41	18 1	0 41	4 34	1 26	26 9	6 51	16 0	15 36	27 22	16 21	3 6	S 23
M24	21 49	26 13	4 57	15 7	2 11	11 54	1 49	21 45	0 24	12 44	1 15	5 54	2 41	18 1	0 41	4 34	1 26	26 9	6 51	15 59	15 35	27 23	16 20	3 7	M24
T 25	21 59	23 9	5 13	15 31	2 4	12 19	1 48	21 53	0 24	12 42	1 14	5 53	2 41	18 2	0 41	4 34	1 26	26 10	6 52	15 58	15 34	27 23	16 19	3 7	T 25
W26	22 8	18 45	5 10	15 57	1 58	12 44	1 47	22 1	0 25	12 39	1 14	5 52	2 41	18 2	0 41	4 34	1 26	26 10	6 52	15 57	15 33	27 24	16 18	3 7	W26
T 27	22 16	13 30	4 48	16 23	1 51	13 8	1 46	22 9	0 25	12 36	1 14	5 52	2 40	18 2	0 41	4 34	1 26	26 11	6 52	15 57	15 32	27 25	16 18	3 7	T 27
F 28	22 25	7 45	4 12	16 49	1 44	13 33	1 45	22 17	0 26	12 33	1 14	5 51	2 40	18 2	0 41	4 34	1 26	26 11	6 52	15 57	15 31	27 25	16 17	3 7	F 28
S 29	22 32	1 50	3 23	17 16	1 36	13 57	1 44	22 24	0 26	12 30	1 14	5 51	2 40	18 3	0 41	4 34	1 26	26 11	6 52	15 57	15 30	27 26	16 16	3 7	S 29
S 30	22s39	4s 1	2n26	17s43	1n29	14s20	1n42	22s32	0s27	12s27	1s14	5n50	2s40	18n 3	0n41	4s34	1s26	26n12	6n53	15n58	15n29	27s26	16n15	3s 7	S 30

Julian Day Number = 2160757.5, Delta T = 13m14s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'19, Lahiri = 12°45'20 Julian Calendar 1 Nov. 1203 == Greg. Calendar 8 Nov. 1203

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ASTRODIENST EPHEMERIS for the year 1203
geocentric

DECEMBER 1203 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 4 30	15♐40'14	28♎16	26♏33	14♏45	10♐59	0♓44	21°R10	11°R31	21♓52	3°R14	13♉32	11♉53	1♑11	25°R42	M 1
T 2	5 8 26	16°41'23	10♏28	27°55	16° 0	11°43	0°52	21♈ 8	11♌30	21°52	3♌13	13°R33	11°49	1°17	25♉39	T 2
W 3	5 12 23	17°42'33	22°31	29°19	17°14	12°28	1° 1	21° 7	11°29	21°52	3°12	13°33	11°46	1°24	25°35	W 3
T 4	5 16 19	18°43'44	4♑28	0♑43	18°29	13°13	1° 9	21° 5	11°28	21°52	3°11	13°30	11°43	1°31	25°32	T 4
F 5	5 20 16	19°44'55	16°21	2° 8	19°43	13°58	1°18	21° 4	11°27	21°52	3°10	13°26	11°40	1°38	25°29	F 5
S 6	5 24 13	20°46'07	28°11	3°34	20°57	14°43	1°27	21° 3	11°25	21°53	3° 9	13°21	11°37	1°44	25°26	S 6
S 7	5 28 9	21°47'19	10♑ 1	5° 1	22°12	15°27	1°36	21° 1	11°24	21°53	3° 8	13°13	11°33	1°51	25°23	S 7
M 8	5 32 6	22°48'31	21°52	6°28	23°26	16°12	1°45	21° 0	11°23	21°54	3° 7	13° 5	11°30	1°58	25°20	M 8
T 9	5 36 2	23°49'44	3♒47	7°56	24°41	16°57	1°54	20°59	11°21	21°54	3° 6	12°57	11°27	2° 4	25°18	T 9
W10	5 39 59	24°50'56	15°47	9°25	25°56	17°43	2° 4	20°59	11°20	21°54	3° 5	12°50	11°24	2°11	25°15	W10
T 11	5 43 55	25°52'08	27°55	10°54	27°10	18°28	2°13	20°58	11°18	21°55	3° 4	12°45	11°21	2°18	25°12	T 11
F 12	5 47 52	26°53'20	10♓16	12°23	28°25	19°13	2°23	20°57	11°16	21°55	3° 3	12°41	11°18	2°24	25° 9	F 12
S 13	5 51 48	27°54'32	22°52	13°53	29°39	19°58	2°33	20°57	11°15	21°56	3° 2	12°D39	11°14	2°31	25° 6	S 13
S 14	5 55 45	28°55'44	5♈48	15°23	0♐54	20°43	2°43	20°56	11°13	21°57	3° 1	12°39	11°11	2°38	25° 4	S 14
M15	5 59 42	29°56'55	19° 7	16°54	2° 9	21°28	2°53	20°56	11°11	21°57	3° 0	12°41	11° 8	2°45	25° 1	M15
T 16	6 3 38	0♑58'06	2♉53	18°25	3°23	22°14	3° 3	20°56	11° 9	21°58	2°59	12°42	11° 5	2°51	24°58	T 16
W17	6 7 35	1°59'17	17° 8	19°57	4°38	22°59	3°13	20°D56	11° 8	21°59	2°58	12°R42	11° 2	2°58	24°56	W17
T 18	6 11 31	3° 0'27	1♊49	21°29	5°53	23°44	3°24	20°56	11° 6	21°59	2°56	12°40	10°59	3° 5	24°53	T 18
F 19	6 15 28	4° 1'38	16°52	23° 1	7° 7	24°30	3°34	20°56	11° 4	22° 0	2°55	12°37	10°55	3°11	24°51	F 19
S 20	6 19 24	5° 2'48	2♋ 9	24°33	8°22	25°15	3°45	20°57	11° 2	22° 1	2°54	12°30	10°52	3°18	24°49	S 20
S 21	6 23 21	6° 3'57	17°29	26° 7	9°37	26° 1	3°56	20°57	11° 0	22° 2	2°53	12°22	10°49	3°25	24°46	S 21
M22	6 27 17	7° 5'07	2♌42	27°40	10°51	26°46	4° 6	20°58	10°58	22° 2	2°52	12°14	10°46	3°31	24°44	M22
T 23	6 31 14	8° 6'16	17°36	29°14	12° 6	27°32	4°17	20°58	10°56	22° 3	2°50	12° 5	10°43	3°38	24°42	T 23
W24	6 35 11	9° 7'25	2♍ 5	0♑48	13°21	28°18	4°28	20°59	10°54	22° 4	2°49	11°58	10°39	3°45	24°40	W24
T 25	6 39 7	10° 8'34	16° 4	2°23	14°36	29° 3	4°40	21° 0	10°52	22° 5	2°48	11°53	10°36	3°51	24°38	T 25
F 26	6 43 4	11° 9'43	29°33	3°58	15°51	29°49	4°51	21° 1	10°50	22° 6	2°47	11°50	10°33	3°58	24°35	F 26
S 27	6 47 0	12°10'52	12♎34	5°34	17° 5	0♑35	5° 2	21° 2	10°47	22° 7	2°45	11°D50	10°30	4° 5	24°33	S 27
S 28	6 50 57	13°12'00	25°12	7°10	18°20	1°21	5°14	21° 3	10°45	22° 8	2°44	11°50	10°27	4°12	24°32	S 28
M29	6 54 53	14°13'09	7♏30	8°47	19°35	2° 6	5°25	21° 4	10°43	22° 9	2°43	11°R51	10°24	4°18	24°30	M29
T 30	6 58 50	15°14'17	19°35	10°24	20°50	2°52	5°37	21° 6	10°41	22°10	2°41	11°51	10°20	4°25	24°28	T 30
W31	7 2 46	16♑15'24	1♐31	12♑ 2	22♐ 5	3♑38	5♓49	21♈ 7	10♌38	22♓12	2♌40	11♉48	10♉17	4♑32	24♉26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s46	9s37	1n23	18s 9	1n21	14s44	1n41	22s39	0s28	12s24	1s13	5n50	2s39	18n 3	0n41	4s33	1s26	26n12	6n53	15n58	15n28	27s27	16n15	3s 7
T 2	22 53	14 45	0 17	18 35	1 14	15 7	1 40	22 45	0 28	12 21	1 13	5 50	2 39	18 4	0 41	4 33	1 26	26 13	6 53	15 59	15 27	27 27	16 14	3 7
W 3	22 58	19 16	0s49	19 1	1 6	15 29	1 38	22 52	0 29	12 18	1 13	5 49	2 39	18 4	0 41	4 33	1 26	26 13	6 53	15 58	15 26	27 28	16 13	3 7
T 4	23 4	22 57	1 52	19 26	0 58	15 51	1 36	22 58	0 29	12 15	1 13	5 49	2 38	18 4	0 41	4 33	1 26	26 13	6 54	15 58	15 25	27 28	16 12	3 7
F 5	23 9	25 39	2 49	19 51	0 51	16 13	1 35	23 4	0 30	12 11	1 13	5 49	2 38	18 5	0 41	4 33	1 26	26 14	6 54	15 57	15 24	27 29	16 12	3 7
S 6	23 13	27 11	3 39	20 15	0 43	16 35	1 33	23 10	0 31	12 8	1 12	5 48	2 38	18 5	0 41	4 33	1 26	26 14	6 54	15 55	15 23	27 29	16 11	3 7
S 7	23 17	27 28	4 19	20 39	0 35	16 56	1 31	23 16	0 31	12 5	1 12	5 48	2 38	18 6	0 41	4 33	1 26	26 15	6 54	15 53	15 22	27 30	16 10	3 7
M 8	23 21	26 30	4 48	21 2	0 28	17 16	1 29	23 21	0 32	12 1	1 12	5 48	2 37	18 6	0 41	4 32	1 26	26 15	6 54	15 50	15 21	27 30	16 9	3 7
T 9	23 24	24 20	5 5	21 24	0 20	17 37	1 27	23 26	0 32	11 58	1 12	5 48	2 37	18 7	0 41	4 32	1 26	26 16	6 55	15 48	15 20	27 31	16 9	3 7
W10	23 27	21 5	5 9	21 45	0 13	17 56	1 25	23 31	0 33	11 54	1 12	5 48	2 37	18 7	0 41	4 32	1 26	26 16	6 55	15 46	15 19	27 31	16 8	3 7
T 11	23 29	16 54	4 58	22 5	0 5	18 15	1 23	23 36	0 34	11 51	1 12	5 48	2 36	18 7	0 41	4 32	1 26	26 17	6 55	15 44	15 18	27 31	16 8	3 7
F 12	23 30	11 59	4 34	22 25	0s 2	18 34	1 21	23 40	0 34	11 47	1 12	5 48	2 36	18 8	0 41	4 32	1 25	26 17	6 55	15 43	15 17	27 32	16 7	3 7
S 13	23 32	6 28	3 56	22 43	0 9	18 52	1 19	23 44	0 35	11 43	1 11	5 48	2 36	18 8	0 41	4 31	1 25	26 17	6 55	15 42	15 16	27 32	16 6	3 7
S 14	23 32	0 32	3 6	23 0	0 16	19 10	1 17	23 48	0 35	11 40	1 11	5 48	2 36	18 9	0 41	4 31	1 25	26 18	6 56	15 42	15 15	27 33	16 6	3 7
M15	23 33	5n37	2 4	23 17	0 23	19 27	1 15	23 52	0 36	11 36	1 11	5 48	2 35	18 9	0 41	4 31	1 25	26 18	6 56	15 43	15 14	27 33	16 5	3 7
T 16	23 32	11 42	0 53	23 32	0 30	19 44	1 13	23 55	0 36	11 32	1 11	5 49	2 35	18 10	0 41	4 30	1 25	26 19	6 56	15 43	15 13	27 34	16 4	3 7
W17	23 32	17 24	0n24	23 46	0 36	20 0	1 11	23 58	0 37	11 28	1 11	5 49	2 35	18 11	0 41	4 30	1 25	26 19	6 56	15 43	15 12	27 34	16 4	3 7
T 18	23 31	22 16	1 41	23 59	0 43	20 16	1 8	24 1	0 38	11 24	1 11	5 49	2 34	18 11	0 42	4 30	1 25	26 20	6 56	15 43	15 11	27 34	16 3	3 7
F 19	23 29	25 46	2 53	24 10	0 49	20 31	1 6	24 4	0 38	11 20	1 10	5 50	2 34	18 12	0 42	4 29	1 25	26 20	6 56	15 41	15 10	27 35	16 3	3 7
S 20	23 27	27 25	3 54	24 21	0 55	20 45	1 3	24 6	0 39	11 16	1 10	5 50	2 34	18 12	0 42	4 29	1 25	26 21	6 57	15 40	15 9	27 35	16 2	3 6
S 21	23 24	26 59	4 37	24 30	1 1	20 59	1 1	24 8	0 39	11 12	1 10	5 50	2 34	18 13	0 42	4 29	1 25	26 21	6 57	15 37	15 8	27 35	16 2	3 6
M22	23 21	24 32	5 1	24 38	1 7	21 12	0 59	24 10	0 40	11 8	1 10	5 51	2 33	18 13	0 42	4 28	1 25	26 22	6 57	15 34	15 7	27 36	16 1	3 6
T 23	23 18	20 27	5 4	24 45	1 12	21 25	0 56	24 12	0 40	11 4	1 10	5 51	2 33	18 14	0 42	4 28	1 25	26 22	6 57	15 32	15 6	27 36	16 1	3 6
W24	23 14	15 14	4 47	24 50	1 17	21 37	0 54	24 13	0 41	11 0	1 10	5 52	2 33	18 15	0 42	4 28	1 25	26 22	6 57	15 30	15 5	27 36	16 0	3 6
T 25	23 9	9 24	4 13	24 54	1 23	21 48	0 51	24 14	0 41	10 55	1 10	5 53	2 32	18 15	0 42	4 27	1 25	26 23	6 57	15 28	15 4	27 37	16 0	3 6
F 26	23 4	3 20	3 26	24 56	1 27	21 59	0 49	24 15	0 42	10 51	1 10	5 53	2 32	18 16	0 42	4 27	1 25	26 23	6 58	15 27	15 3	27 37	15 59	3 6
S 27	22 59	2s41	2 30	24 57	1 32	22 9	0 46	24 15	0 43	10 47	1 9	5 54	2 32	18 16	0 42	4 26	1 25	26 24	6 58	15 27	15 2	27 37	15 59	3 6
S 28	22 53	8 26	1 28	24 57	1 36	22 19	0 43	24 15	0 43	10 43	1 9	5 55	2 31	18 17	0 42	4 26	1 25	26 24	6 58	15 27	15 1	27 38	15 59	3 6
M29	22 47	13 43	0 23	24 55	1 40	22 27	0 41	24 15	0 44	10 38	1 9	5 55	2 31	18 18	0 42	4 25	1 25	26 25	6 58	15 27	15 0	27 38	15 58	3 6
T 30	22 40	18 22	0s41	24 52	1 44	22 35	0 38	24 15	0 44	10 34	1 9	5 56	2 31	18 18	0 42	4 25	1 25	26 25	6 58	15 27	14 59	27 38	15 58	3 6
W31	22s33	22s14	1s43	24s47	1s48	22s43	0n36	24s14	0s45	10s29	1s 9	5n57	2s31	18n19	0n42	4s24	1s25	26n26	6n58	15n27	14n58	27s39	15n58	3s 6

Julian Day Number = 2160787.5, Delta T = 13m13s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'23, Lahiri = 12°45'24 Julian Calendar 1 Dec. 1203 == Greg. Calendar 8 Dec. 1203

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

JANUARY 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 6 43	17♉16'31	13♐22	13♉40	23♐20	4♉24	6♓ 1	21♈ 9	10°R36	22♓13	2°R39	11°R44	10♌14	4♉38	24°R24	T 1
F 2	7 10 40	18°17'38	25°11	15°19	24°34	5°10	6°12	21°11	10♏34	22°14	2♏37	11♌36	10°11	4°45	24♌23	F 2
S 3	7 14 36	19°18'44	7♉ 0	16°59	25°49	5°56	6°25	21°13	10°31	22°15	2°36	11°26	10° 8	4°52	24°21	S 3
S 4	7 18 33	20°19'50	18°53	18°39	27° 4	6°42	6°37	21°15	10°29	22°16	2°34	11°13	10° 5	4°58	24°20	S 4
M 5	7 22 29	21°20'54	0♒49	20°20	28°19	7°28	6°49	21°17	10°27	22°18	2°33	10°59	10° 1	5° 5	24°18	M 5
T 6	7 26 26	22°21'58	12°51	22° 1	29°34	8°14	7° 1	21°19	10°24	22°19	2°32	10°45	9°58	5°12	24°17	T 6
W 7	7 30 22	23°23'01	24°59	23°43	0♉49	9° 0	7°13	21°21	10°22	22°20	2°30	10°32	9°55	5°19	24°16	W 7
T 8	7 34 19	24°24'03	7♓15	25°25	2° 4	9°47	7°26	21°24	10°19	22°22	2°29	10°22	9°52	5°25	24°14	T 8
F 9	7 38 16	25°25'03	19°41	27° 8	3°18	10°33	7°38	21°26	10°17	22°23	2°28	10°14	9°49	5°32	24°13	F 9
S 10	7 42 12	26°26'03	2♈20	28°52	4°33	11°19	7°51	21°29	10°14	22°25	2°26	10° 9	9°45	5°39	24°12	S 10
S 11	7 46 9	27°27'01	15°14	0♒36	5°48	12° 5	8° 4	21°31	10°12	22°26	2°25	10° 7	9°42	5°45	24°11	S 11
M12	7 50 5	28°27'57	28°27	2°21	7° 3	12°52	8°16	21°34	10° 9	22°28	2°23	10°D 6	9°39	5°52	24°10	M12
T 13	7 54 2	29°28'53	12♌ 1	4° 7	8°18	13°38	8°29	21°37	10° 6	22°29	2°22	10°R 6	9°36	5°59	24° 9	T 13
W14	7 57 58	0♒29'47	26° 0	5°52	9°33	14°24	8°42	21°40	10° 4	22°31	2°20	10° 6	9°33	6° 5	24° 8	W14
T 15	8 1 55	1°30'40	10♊24	7°39	10°48	15°11	8°55	21°43	10° 1	22°32	2°19	10° 3	9°30	6°12	24° 8	T 15
F 16	8 5 51	2°31'31	25°11	9°26	12° 2	15°57	9° 8	21°46	9°59	22°34	2°18	9°58	9°26	6°19	24° 7	F 16
S 17	8 9 48	3°32'21	10♋14	11°13	13°17	16°43	9°21	21°50	9°56	22°35	2°16	9°49	9°23	6°26	24° 6	S 17
S 18	8 13 45	4°33'10	25°27	13° 0	14°32	17°30	9°34	21°53	9°54	22°37	2°15	9°39	9°20	6°32	24° 6	S 18
M19	8 17 41	5°33'57	10♌37	14°48	15°47	18°16	9°48	21°57	9°51	22°39	2°13	9°27	9°17	6°39	24° 5	M19
T 20	8 21 38	6°34'43	25°35	16°35	17° 2	19° 3	10° 1	22° 0	9°48	22°40	2°12	9°15	9°14	6°46	24° 5	T 20
W21	8 25 34	7°35'28	10♍11	18°22	18°17	19°49	10°14	22° 4	9°46	22°42	2°11	9° 5	9°11	6°52	24° 5	W21
T 22	8 29 31	8°36'12	24°19	20° 9	19°32	20°36	10°28	22° 8	9°43	22°44	2° 9	8°57	9° 7	6°59	24° 4	T 22
F 23	8 33 27	9°36'54	7♎57	21°55	20°46	21°22	10°41	22°12	9°40	22°46	2° 8	8°52	9° 4	7° 6	24° 4	F 23
S 24	8 37 24	10°37'35	21° 6	23°41	22° 1	22° 9	10°54	22°16	9°38	22°47	2° 6	8°50	9° 1	7°12	24° 4	S 24
S 25	8 41 20	11°38'15	3♏49	25°25	23°16	22°56	11° 8	22°20	9°35	22°49	2° 5	8°49	8°58	7°19	24°D 4	S 25
M26	8 45 17	12°38'54	16°10	27° 7	24°31	23°42	11°22	22°24	9°33	22°51	2° 4	8°49	8°55	7°26	24° 4	M26
T 27	8 49 14	13°39'32	28°15	28°47	25°46	24°29	11°35	22°28	9°30	22°53	2° 2	8°49	8°51	7°33	24° 4	T 27
W28	8 53 10	14°40'09	10♐10	0♓25	27° 1	25°15	11°49	22°33	9°27	22°55	2° 1	8°46	8°48	7°39	24° 4	W28
T 29	8 57 7	15°40'44	22° 0	2° 0	28°15	26° 2	12° 3	22°37	9°25	22°57	1°59	8°42	8°45	7°46	24° 5	T 29
F 30	9 1 3	16°41'18	3♉48	3°31	29°30	26°49	12°16	22°42	9°22	22°59	1°58	8°34	8°42	7°53	24° 5	F 30
S 31	9 5 0	17♒41'51	15♉40	4♓57	0♒45	27♉36	12♓30	22♈46	9♏19	23♓ 0	1♏57	8♌23	8♌39	7♉59	24♌ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s25	25s 8	2s39	24s41	1s51	22s50	0n33	24s13	0s45	10s25	1s 9	5n58	2s30	18n20	0n42	4s24	1s25	26n26	6n58	15n25	14n57	27s39	15n57	3s 6
F 2	22 17	26 56	3 29	24 33	1 54	22 56	0 30	24 12	0 46	10 20	1 9	5 59	2 30	18 20	0 42	4 23	1 25	26 26	6 58	15 23	14 56	27 39	15 57	3 6
S 3	22 9	27 30	4 9	24 23	1 56	23 1	0 28	24 11	0 46	10 16	1 9	6 0	2 30	18 21	0 42	4 23	1 25	26 27	6 59	15 20	14 55	27 39	15 57	3 6
S 4	22 0	26 48	4 39	24 12	1 59	23 6	0 25	24 9	0 47	10 11	1 8	6 1	2 29	18 22	0 42	4 22	1 25	26 27	6 59	15 16	14 54	27 40	15 56	3 5
M 5	21 51	24 53	4 56	23 59	2 0	23 10	0 22	24 7	0 47	10 6	1 8	6 2	2 29	18 22	0 42	4 22	1 25	26 28	6 59	15 11	14 53	27 40	15 56	3 5
T 6	21 41	21 50	5 1	23 44	2 2	23 13	0 20	24 5	0 48	10 2	1 8	6 3	2 29	18 23	0 42	4 21	1 25	26 28	6 59	15 7	14 52	27 40	15 56	3 5
W 7	21 31	17 49	4 51	23 28	2 3	23 16	0 17	24 2	0 48	9 57	1 8	6 4	2 28	18 24	0 42	4 21	1 24	26 29	6 59	15 3	14 51	27 40	15 56	3 5
T 8	21 20	13 2	4 29	23 11	2 4	23 17	0 14	24 0	0 49	9 52	1 8	6 5	2 28	18 24	0 42	4 20	1 24	26 29	6 59	15 0	14 50	27 41	15 55	3 5
F 9	21 9	7 40	3 53	22 51	2 4	23 19	0 12	23 57	0 49	9 47	1 8	6 7	2 28	18 25	0 42	4 19	1 24	26 30	6 59	14 57	14 49	27 41	15 55	3 5
S 10	20 58	1 54	3 6	22 30	2 4	23 19	0 9	23 53	0 50	9 43	1 8	6 8	2 28	18 26	0 42	4 19	1 24	26 30	6 59	14 56	14 48	27 41	15 55	3 5
S 11	20 46	4n 4	2 8	22 7	2 3	23 19	0 6	23 50	0 50	9 38	1 8	6 9	2 27	18 26	0 42	4 18	1 24	26 30	6 59	14 55	14 47	27 41	15 55	3 5
M12	20 34	10 1	1 1	21 42	2 2	23 18	0 4	23 46	0 51	9 33	1 8	6 10	2 27	18 27	0 42	4 18	1 24	26 31	7 0	14 55	14 46	27 41	15 55	3 5
T 13	20 21	15 40	0n10	21 16	2 1	23 16	0 1	23 42	0 51	9 28	1 8	6 12	2 27	18 28	0 42	4 17	1 24	26 31	7 0	14 55	14 45	27 42	15 55	3 5
W14	20 8	20 41	1 23	20 48	1 59	23 14	0s 2	23 37	0 52	9 23	1 8	6 13	2 26	18 29	0 42	4 16	1 24	26 32	7 0	14 54	14 44	27 42	15 55	3 4
T 15	19 55	24 37	2 33	20 18	1 56	23 10	0 4	23 32	0 52	9 18	1 7	6 15	2 26	18 29	0 42	4 16	1 24	26 32	7 0	14 54	14 43	27 42	15 54	3 4
F 16	19 41	27 1	3 34	19 47	1 53	23 7	0 7	23 28	0 53	9 13	1 7	6 16	2 26	18 30	0 42	4 15	1 24	26 33	7 0	14 52	14 42	27 42	15 54	3 4
S 17	19 27	27 29	4 21	19 14	1 49	23 2	0 9	23 22	0 53	9 8	1 7	6 18	2 26	18 31	0 42	4 14	1 24	26 33	7 0	14 49	14 41	27 42	15 54	3 4
S 18	19 12	25 54	4 51	18 39	1 45	22 57	0 12	23 17	0 54	9 3	1 7	6 19	2 25	18 31	0 42	4 14	1 24	26 33	7 0	14 46	14 40	27 42	15 54	3 4
M19	18 58	22 27	5 0	18 3	1 40	22 51	0 15	23 11	0 54	8 58	1 7	6 21	2 25	18 32	0 42	4 13	1 24	26 34	7 0	14 42	14 39	27 42	15 54	3 4
T 20	18 43	17 34	4 48	17 26	1 34	22 44	0 17	23 5	0 55	8 53	1 7	6 22	2 25	18 33	0 42	4 12	1 24	26 34	7 0	14 39	14 38	27 43	15 54	3 4
W21	18 27	11 45	4 18	16 47	1 28	22 37	0 20	22 59	0 55	8 48	1 7	6 24	2 25	18 34	0 42	4 12	1 24	26 35	7 0	14 35	14 37	27 43	15 54	3 4
T 22	18 11	5 30	3 32	16 6	1 21	22 29	0 22	22 52	0 55	8 43	1 7	6 25	2 24	18 34	0 42	4 11	1 24	26 35	7 0	14 33	14 36	27 43	15 54	3 4
F 23	17 55	0s47	2 35	15 25	1 13	22 20	0 25	22 46	0 56	8 37	1 7	6 27	2 24	18 35	0 42	4 10	1 24	26 35	7 0	14 31	14 35	27 43	15 54	3 3
S 24	17 39	6 51	1 32	14 42	1 4	22 11	0 27	22 38	0 56	8 32	1 7	6 29	2 24	18 36	0 42	4 9	1 24	26 36	7 0	14 30	14 34	27 43	15 55	3 3
S 25	17 22	12 26	0 26	13 58	0 55	22 1	0 29	22 31	0 57	8 27	1 7	6 31	2 23	18 36	0 42	4 9	1 24	26 36	7 0	14 30	14 33	27 43	15 55	3 3
M26	17 5	17 22	0s39	13 14	0 45	21 50	0 32	22 24	0 57	8 22	1 7	6 32	2 23	18 37	0 42	4 8	1 24	26 36	7 0	14 30	14 32	27 43	15 55	3 3
T 27	16 48	21 30	1 41	12 29	0 35	21 39	0 34	22 16	0 58	8 16	1 7	6 34	2 23	18 38	0 42	4 7	1 24	26 37	7 1	14 30	14 31	27 43	15 55	3 3
W28	16 30	24 40	2 38	11 44	0 23	21 26	0 36	22 8	0 58	8 11	1 7	6 36	2 23	18 39	0 42	4 6	1 24	26 37	7 1	14 29	14 30	27 43	15 55	3 3
T 29	16 12	26 45	3 27	10 59	0 11	21 14	0 39	21 59	0 58	8 6	1 6	6 38	2 22	18 39	0 42	4 6	1 24	26 37	7 1	14 28	14 29	27 43	15 55	3 3
F 30	15 54	27 37	4 7	10 14	0n 2	21 0	0 41	21 51	0 59	8 0	1 6	6 40	2 22	18 40	0 42	4 5	1 24	26 38	7 1	14 25	14 28	27 43	15 55	3 3
S 31	15s36	27s12	4s37	9s30	0n15	20s47	0s43	21s42	0s59	7s55	1s 6	6n42	2s22	18n41	0n42	4s 4	1s24	26n38	7n 1	14n22	14n27	27s43	15n56	3s 3

Julian Day Number = 2160818.5, Delta T = 13m13s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'28, Lahiri = 12°45'28 Julian Calendar 1 Jan. 1204 == Greg. Calendar 8 Jan. 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

FEBRUARY 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 8 56	18♒42'22	27♉36	6♓19	2♒ 0	28♉22	12♓44	22♈51	9°R17	23♓ 2	1°R55	8°R11	8♉36	8♉ 6	24♉ 6	S 1
M 2	9 12 53	19°42'51	9♒40	7°36	3°15	29° 9	12°58	22°56	9♌14	23° 4	1♌54	7♉56	8°32	8°13	24° 6	M 2
T 3	9 16 49	20°43'19	21°52	8°46	4°30	29°56	13°12	23° 1	9°12	23° 6	1°53	7°42	8°29	8°20	24° 7	T 3
W 4	9 20 46	21°43'45	4♓13	9°49	5°44	0♒43	13°26	23° 5	9° 9	23° 8	1°51	7°29	8°26	8°26	24° 8	W 4
T 5	9 24 43	22°44'10	16°44	10°45	6°59	1°30	13°40	23°10	9° 7	23°10	1°50	7°18	8°23	8°33	24° 8	T 5
F 6	9 28 39	23°44'32	29°25	11°32	8°14	2°16	13°54	23°16	9° 4	23°12	1°49	7° 9	8°20	8°40	24° 9	F 6
S 7	9 32 36	24°44'53	12♈17	12°11	9°29	3° 3	14° 8	23°21	9° 2	23°14	1°47	7° 4	8°17	8°46	24°10	S 7
S 8	9 36 32	25°45'11	25°20	12°41	10°44	3°50	14°22	23°26	8°59	23°16	1°46	7° 2	8°13	8°53	24°11	S 8
M 9	9 40 29	26°45'28	8♉38	13° 2	11°58	4°37	14°37	23°31	8°57	23°19	1°45	7°D 1	8°10	9° 0	24°12	M 9
T 10	9 44 25	27°45'42	22°11	13°13	13°13	5°24	14°51	23°37	8°54	23°21	1°44	7°R 2	8° 7	9° 6	24°13	T 10
W11	9 48 22	28°45'55	6♊ 2	13°R14	14°28	6°11	15° 5	23°42	8°52	23°23	1°42	7° 1	8° 4	9°13	24°14	W11
T 12	9 52 18	29°46'05	20°12	13° 6	15°42	6°58	15°19	23°48	8°49	23°25	1°41	7° 0	8° 1	9°20	24°16	T 12
F 13	9 56 15	0♓46'14	4♋38	12°48	16°57	7°44	15°33	23°53	8°47	23°27	1°40	6°56	7°57	9°27	24°17	F 13
S 14	10 0 12	1°46'20	19°18	12°22	18°12	8°31	15°48	23°59	8°45	23°29	1°39	6°49	7°54	9°33	24°18	S 14
S 15	10 4 8	2°46'24	4♌ 7	11°48	19°27	9°18	16° 2	24° 5	8°42	23°31	1°38	6°41	7°51	9°40	24°20	S 15
M16	10 8 5	3°46'26	18°57	11° 7	20°41	10° 5	16°16	24°11	8°40	23°33	1°36	6°31	7°48	9°47	24°21	M16
T 17	10 12 1	4°46'25	3♍39	10°19	21°56	10°52	16°31	24°17	8°38	23°36	1°35	6°21	7°45	9°53	24°23	T 17
W18	10 15 58	5°46'23	18° 5	9°27	23°11	11°39	16°45	24°23	8°35	23°38	1°34	6°12	7°42	10° 0	24°24	W18
T 19	10 19 54	6°46'19	2♎ 9	8°31	24°25	12°26	17° 0	24°29	8°33	23°40	1°33	6° 5	7°38	10° 7	24°26	T 19
F 20	10 23 51	7°46'13	15°48	7°32	25°40	13°13	17°14	24°35	8°31	23°42	1°32	6° 1	7°35	10°13	24°28	F 20
S 21	10 27 47	8°46'05	29° 0	6°33	26°55	14° 0	17°28	24°41	8°29	23°44	1°31	5°59	7°32	10°20	24°30	S 21
S 22	10 31 44	9°45'56	11♏47	5°34	28° 9	14°47	17°43	24°47	8°27	23°47	1°30	5°D59	7°29	10°27	24°32	S 22
M23	10 35 41	10°45'45	24°13	4°37	29°24	15°34	17°57	24°53	8°25	23°49	1°29	6° 0	7°26	10°34	24°34	M23
T 24	10 39 37	11°45'32	6♐23	3°43	0♓38	16°21	18°12	25° 0	8°22	23°51	1°28	6°R 1	7°23	10°40	24°36	T 24
W25	10 43 34	12°45'17	18°21	2°52	1°53	17° 8	18°26	25° 6	8°20	23°53	1°27	6° 1	7°19	10°47	24°38	W25
T 26	10 47 30	13°45'01	0♑13	2° 6	3° 8	17°55	18°41	25°12	8°18	23°55	1°26	5°59	7°16	10°54	24°40	T 26
F 27	10 51 27	14°44'43	12° 3	1°25	4°22	18°42	18°55	25°19	8°16	23°58	1°25	5°55	7°13	11° 0	24°42	F 27
S 28	10 55 23	15°44'23	23°57	0°50	5°37	19°29	19°10	25°25	8°14	24° 0	1°24	5°49	7°10	11° 7	24°44	S 28
S 29	10 59 20	16♓44'01	5♒57	0♓20	6♓51	20♒16	19♓24	25♈32	8♌13	24♓ 2	1♌23	5♉42	7♉ 7	11♉14	24♉47	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s17	25s33	4s55	8s47	0n29	20s32	0s45	21s33	1s 0	7s50	1s 6	6n44	2s22	18n41	0n42	4s 3	1s24	26n38	7n 1	14n18	14n26	27s43	15n56	3s 2
M 2	14 58	22 43	5 0	8 5	0 43	20 17	0 47	21 24	1 0	7 44	1 6	6 46	2 21	18 42	0 42	4 3	1 24	26 39	7 1	14 13	14 25	27 43	15 56	3 2
T 3	14 39	18 52	4 51	7 25	0 58	20 1	0 49	21 14	1 0	7 39	1 6	6 48	2 21	18 43	0 42	4 2	1 24	26 39	7 1	14 8	14 24	27 43	15 56	3 2
W 4	14 20	14 10	4 28	6 47	1 13	19 45	0 51	21 5	1 1	7 33	1 6	6 50	2 21	18 43	0 42	4 1	1 24	26 39	7 1	14 4	14 23	27 43	15 57	3 2
T 5	14 0	8 50	3 53	6 12	1 29	19 28	0 53	20 55	1 1	7 28	1 6	6 52	2 21	18 44	0 42	4 0	1 24	26 40	7 1	14 0	14 22	27 43	15 57	3 2
F 6	13 40	3 4	3 5	5 40	1 44	19 10	0 55	20 44	1 2	7 23	1 6	6 54	2 20	18 45	0 42	3 59	1 24	26 40	7 1	13 58	14 21	27 43	15 57	3 2
S 7	13 20	2n55	2 7	5 11	1 59	18 52	0 57	20 34	1 2	7 17	1 6	6 56	2 20	18 45	0 42	3 58	1 24	26 40	7 1	13 56	14 20	27 43	15 58	3 2
S 8	12 59	8 53	1 2	4 46	2 14	18 34	0 59	20 23	1 2	7 12	1 6	6 58	2 20	18 46	0 42	3 58	1 24	26 41	7 1	13 55	14 19	27 43	15 58	3 2
M 9	12 39	14 35	0n 9	4 25	2 29	18 15	1 1	20 12	1 3	7 6	1 6	7 1	2 20	18 47	0 42	3 57	1 24	26 41	7 1	13 55	14 18	27 43	15 58	3 1
T 10	12 18	19 41	1 20	4 8	2 42	17 55	1 2	20 1	1 3	7 0	1 6	7 3	2 20	18 47	0 42	3 56	1 24	26 41	7 1	13 55	14 16	27 43	15 59	3 1
W11	11 57	23 50	2 28	3 55	2 55	17 35	1 4	19 50	1 3	6 55	1 6	7 5	2 19	18 48	0 42	3 55	1 24	26 42	7 1	13 55	14 15	27 43	15 59	3 1
T 12	11 36	26 38	3 28	3 48	3 7	17 14	1 6	19 38	1 4	6 49	1 6	7 7	2 19	18 49	0 42	3 54	1 24	26 42	7 1	13 55	14 14	27 43	16 0	3 1
F 13	11 15	27 44	4 17	3 45	3 17	16 53	1 7	19 27	1 4	6 44	1 6	7 9	2 19	18 49	0 42	3 53	1 24	26 42	7 1	13 53	14 13	27 43	16 0	3 1
S 14	10 53	26 55	4 49	3 46	3 26	16 32	1 9	19 15	1 4	6 38	1 6	7 12	2 19	18 50	0 42	3 53	1 24	26 42	7 1	13 51	14 12	27 43	16 0	3 1
S 15	10 32	24 12	5 3	3 53	3 34	16 10	1 10	19 3	1 5	6 33	1 6	7 14	2 19	18 50	0 42	3 52	1 24	26 43	7 1	13 48	14 11	27 43	16 1	3 1
M16	10 10	19 53	4 56	4 3	3 39	15 47	1 11	18 50	1 5	6 27	1 6	7 16	2 18	18 51	0 42	3 51	1 24	26 43	7 1	13 45	14 10	27 43	16 1	3 1
T 17	9 48	14 24	4 30	4 18	3 42	15 24	1 13	18 38	1 5	6 21	1 6	7 19	2 18	18 52	0 42	3 50	1 24	26 43	7 1	13 42	14 9	27 43	16 2	3 1
W18	9 26	8 12	3 46	4 36	3 44	15 1	1 14	18 25	1 6	6 16	1 6	7 21	2 18	18 52	0 42	3 49	1 24	26 43	7 0	13 39	14 8	27 43	16 2	3 0
T 19	9 4	1 45	2 50	4 58	3 43	14 37	1 15	18 12	1 6	6 10	1 6	7 24	2 18	18 53	0 42	3 48	1 24	26 44	7 0	13 37	14 7	27 43	16 3	3 0
F 20	8 42	4s37	1 46	5 22	3 40	14 13	1 16	17 59	1 6	6 4	1 6	7 26	2 18	18 53	0 42	3 47	1 24	26 44	7 0	13 35	14 6	27 42	16 3	3 0
S 21	8 19	10 35	0 37	5 49	3 35	13 49	1 18	17 46	1 7	5 59	1 6	7 28	2 17	18 54	0 42	3 46	1 24	26 44	7 0	13 34	14 5	27 42	16 4	3 0
S 22	7 56	15 56	0s31	6 16	3 29	13 24	1 19	17 32	1 7	5 53	1 6	7 31	2 17	18 55	0 42	3 46	1 24	26 44	7 0	13 34	14 4	27 42	16 5	3 0
M23	7 34	20 28	1 36	6 45	3 20	12 58	1 20	17 18	1 7	5 47	1 6	7 33	2 17	18 55	0 42	3 45	1 24	26 44	7 0	13 35	14 3	27 42	16 5	3 0
T 24	7 11	24 1	2 36	7 14	3 10	12 33	1 20	17 5	1 7	5 42	1 6	7 36	2 17	18 56	0 42	3 44	1 24	26 45	7 0	13 35	14 2	27 42	16 6	3 0
W25	6 48	26 28	3 27	7 43	2 59	12 7	1 21	16 51	1 8	5 36	1 6	7 38	2 17	18 56	0 42	3 43	1 24	26 45	7 0	13 35	14 1	27 42	16 6	3 0
T 26	6 25	27 42	4 9	8 11	2 47	11 41	1 22	16 36	1 8	5 30	1 6	7 41	2 16	18 57	0 42	3 42	1 24	26 45	7 0	13 34	14 0	27 41	16 7	3 0
F 27	6 2	27 39	4 41	8 38	2 34	11 14	1 23	16 22	1 8	5 25	1 6	7 43	2 16	18 57	0 42	3 41	1 24	26 45	7 0	13 33	13 59	27 41	16 8	2 59
S 28	5 39	26 20	5 0	9 3	2 20	10 47	1 23	16 7	1 8	5 19	1 6	7 46	2 16	18 58	0 42	3 40	1 24	26 45	7 0	13 31	13 58	27 41	16 8	2 59
S 29	5s16	23s49	5s 7	9s27	2n 5	10s20	1s24	15s53	1s 9	5s13	1s 6	7n48	2s16	18n58	0n42	3s39	1s24	26n45	7n 0	13n29	13n57	27s41	16n 9	2s59

Julian Day Number = 2160849.5, Delta T = 13m13s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'32, Lahiri = 12°45'32 Julian Calendar 1 Feb. 1204 == Greg. Calendar 8 Feb. 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

MARCH 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 3 16	17♓43'38	18♒ 8	29°R57	8♓ 6	21♒ 2	19♓39	25♈39	8°R11	24♓ 4	1°R22	5°R33	7♉ 3	11♊21	24♉49	M 1
T 2	11 7 13	18°43'12	0♓30	29♒40	9°21	21°49	19°53	25°45	8♌ 9	24° 7	1♌21	5♉24	7° 0	11°27	24°51	T 2
W 3	11 11 10	19°42'44	13° 5	29°29	10°35	22°36	20° 8	25°52	8° 7	24° 9	1°20	5°15	6°57	11°34	24°54	W 3
T 4	11 15 6	20°42'15	25°53	29°D24	11°50	23°23	20°22	25°59	8° 5	24°11	1°19	5° 8	6°54	11°41	24°57	T 4
F 5	11 19 3	21°41'43	8♈55	29°25	13° 4	24°10	20°37	26° 6	8° 4	24°14	1°18	5° 3	6°51	11°47	24°59	F 5
S 6	11 22 59	22°41'09	22° 8	29°32	14°19	24°57	20°51	26°13	8° 2	24°16	1°18	5° 0	6°48	11°54	25° 2	S 6
S 7	11 26 56	23°40'33	5♉32	29°44	15°33	25°44	21° 6	26°19	8° 0	24°18	1°17	5°D 0	6°44	12° 1	25° 5	S 7
M 8	11 30 52	24°39'54	19° 8	0♓ 2	16°48	26°31	21°20	26°26	7°59	24°20	1°16	5° 0	6°41	12° 8	25° 7	M 8
T 9	11 34 49	25°39'14	2♊54	0°24	18° 2	27°18	21°35	26°33	7°57	24°23	1°15	5° 2	6°38	12°14	25°10	T 9
W10	11 38 45	26°38'31	16°50	0°51	19°17	28° 5	21°49	26°41	7°56	24°25	1°15	5° 3	6°35	12°21	25°13	W10
T 11	11 42 42	27°37'45	0♋56	1°22	20°31	28°52	22° 4	26°48	7°54	24°27	1°14	5°R 3	6°32	12°28	25°16	T 11
F 12	11 46 38	28°36'57	15°10	1°58	21°45	29°38	22°18	26°55	7°53	24°29	1°13	5° 2	6°28	12°34	25°19	F 12
S 13	11 50 35	29°36'07	29°30	2°38	23° 0	0♓25	22°33	27° 2	7°52	24°32	1°13	4°59	6°25	12°41	25°22	S 13
S 14	11 54 32	0♈35'15	13♌53	3°21	24°14	1°12	22°47	27° 9	7°50	24°34	1°12	4°55	6°22	12°48	25°25	S 14
M15	11 58 28	1°34'20	28°14	4° 8	25°29	1°59	23° 1	27°16	7°49	24°36	1°12	4°50	6°19	12°55	25°28	M15
T 16	12 2 25	2°33'22	12♍28	4°58	26°43	2°46	23°16	27°24	7°48	24°39	1°11	4°45	6°16	13° 1	25°32	T 16
W17	12 6 21	3°32'23	26°30	5°52	27°57	3°33	23°30	27°31	7°47	24°41	1°10	4°41	6°13	13° 8	25°35	W17
T 18	12 10 18	4°31'21	10♎16	6°48	29°12	4°19	23°45	27°38	7°46	24°43	1°10	4°37	6° 9	13°15	25°38	T 18
F 19	12 14 14	5°30'18	23°42	7°48	0♈26	5° 6	23°59	27°46	7°45	24°45	1° 9	4°36	6° 6	13°21	25°42	F 19
S 20	12 18 11	6°29'12	6♏48	8°50	1°40	5°53	24°13	27°53	7°44	24°47	1° 9	4°D35	6° 3	13°28	25°45	S 20
S 21	12 22 7	7°28'05	19°33	9°55	2°55	6°39	24°28	28° 0	7°43	24°50	1° 8	4°36	6° 0	13°35	25°48	S 21
M22	12 26 4	8°26'55	2♐ 0	11° 2	4° 9	7°26	24°42	28° 8	7°42	24°52	1° 8	4°37	5°57	13°41	25°52	M22
T 23	12 30 1	9°25'44	14°12	12°12	5°23	8°13	24°56	28°15	7°41	24°54	1° 8	4°39	5°54	13°48	25°56	T 23
W24	12 33 57	10°24'32	26°13	13°24	6°37	9° 0	25°10	28°23	7°40	24°56	1° 7	4°41	5°50	13°55	25°59	W24
T 25	12 37 54	11°23'17	8♑ 7	14°38	7°52	9°46	25°25	28°30	7°39	24°59	1° 7	4°R41	5°47	14° 2	26° 3	T 25
F 26	12 41 50	12°22'01	19°59	15°54	9° 6	10°33	25°39	28°38	7°39	25° 1	1° 7	4°41	5°44	14° 8	26° 6	F 26
S 27	12 45 47	13°20'43	1♒55	17°12	10°20	11°19	25°53	28°45	7°38	25° 3	1° 6	4°40	5°41	14°15	26°10	S 27
S 28	12 49 43	14°19'23	13°58	18°33	11°34	12° 6	26° 7	28°53	7°37	25° 5	1° 6	4°38	5°38	14°22	26°14	S 28
M29	12 53 40	15°18'01	26°12	19°55	12°48	12°53	26°21	29° 1	7°37	25° 7	1° 6	4°35	5°34	14°28	26°18	M29
T 30	12 57 36	16°16'38	8♓41	21°20	14° 3	13°39	26°35	29° 8	7°36	25° 9	1° 6	4°32	5°31	14°35	26°22	T 30
W31	13 1 33	17♈15'13	21♓26	22♓46	15♈17	14♓26	26♓49	29♈16	7♌36	25♓12	1♌ 6	4♉30	5♉28	14♊42	26♉25	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s52	20s12	4s59	9s49	1n50	9s53	1s25	15s38	1s 9	5s 8	1s 6	7n51	2s16	18n59	0n42	3s38	1s24	26n46	7n 0	13n26	13n56	27s41	16n10	2s59
T 2	4 29	15 40	4 38	10 9	1 36	9 25	1 25	15 23	1 9	5 2	1 6	7 53	2 16	18 59	0 42	3 38	1 24	26 46	7 0	13 23	13 55	27 40	16 10	2 59
W 3	4 5	10 25	4 3	10 27	1 21	8 57	1 26	15 8	1 9	4 56	1 6	7 56	2 15	18 59	0 42	3 37	1 24	26 46	7 0	13 20	13 54	27 40	16 11	2 59
T 4	3 42	4 37	3 15	10 42	1 6	8 29	1 26	14 52	1 9	4 50	1 6	7 59	2 15	19 0	0 42	3 36	1 24	26 46	7 0	13 17	13 53	27 40	16 12	2 59
F 5	3 18	1n28	2 16	10 56	0 51	8 0	1 26	14 37	1 10	4 45	1 6	8 1	2 15	19 0	0 42	3 35	1 24	26 46	7 0	13 16	13 52	27 40	16 12	2 59
S 6	2 55	7 35	1 9	11 7	0 37	7 32	1 26	14 21	1 10	4 39	1 6	8 4	2 15	19 1	0 42	3 34	1 24	26 46	6 59	13 15	13 51	27 40	16 13	2 59
S 7	2 31	13 28	0n 3	11 16	0 23	7 3	1 27	14 6	1 10	4 33	1 6	8 7	2 15	19 1	0 42	3 33	1 24	26 46	6 59	13 15	13 49	27 39	16 14	2 59
M 8	2 8	18 48	1 16	11 22	0 9	6 34	1 27	13 50	1 10	4 28	1 6	8 9	2 15	19 1	0 42	3 32	1 24	26 46	6 59	13 15	13 48	27 39	16 15	2 58
T 9	1 44	23 13	2 26	11 26	0s 4	6 5	1 27	13 34	1 10	4 22	1 6	8 12	2 15	19 2	0 42	3 31	1 24	26 46	6 59	13 15	13 47	27 39	16 15	2 58
W10	1 20	26 20	3 28	11 29	0 17	5 35	1 27	13 18	1 10	4 16	1 6	8 15	2 14	19 2	0 42	3 30	1 24	26 47	6 59	13 16	13 46	27 38	16 16	2 58
T 11	0 57	27 50	4 18	11 29	0 29	5 6	1 26	13 1	1 11	4 10	1 6	8 17	2 14	19 3	0 42	3 29	1 24	26 47	6 59	13 16	13 45	27 38	16 17	2 58
F 12	0 33	27 31	4 53	11 27	0 40	4 36	1 26	12 45	1 11	4 5	1 6	8 20	2 14	19 3	0 42	3 29	1 24	26 47	6 59	13 15	13 44	27 38	16 18	2 58
S 13	0 10	25 23	5 10	11 23	0 51	4 6	1 26	12 29	1 11	3 59	1 6	8 23	2 14	19 3	0 42	3 28	1 24	26 47	6 59	13 15	13 43	27 38	16 18	2 58
S 14	0n14	21 38	5 7	11 17	1 2	3 37	1 26	12 12	1 11	3 53	1 6	8 25	2 14	19 4	0 42	3 27	1 24	26 47	6 59	13 13	13 42	27 37	16 19	2 58
M15	0 38	16 36	4 46	11 9	1 12	3 7	1 25	11 55	1 11	3 48	1 6	8 28	2 14	19 4	0 42	3 26	1 24	26 47	6 59	13 11	13 41	27 37	16 20	2 58
T 16	1 1	10 42	4 7	10 59	1 21	2 37	1 25	11 39	1 11	3 42	1 6	8 31	2 14	19 4	0 42	3 25	1 24	26 47	6 59	13 10	13 40	27 37	16 21	2 58
W17	1 25	4 21	3 13	10 48	1 30	2 7	1 25	11 22	1 11	3 36	1 6	8 33	2 14	19 4	0 42	3 24	1 24	26 47	6 59	13 8	13 39	27 36	16 22	2 58
T 18	1 48	2s 6	2 9	10 35	1 39	1 36	1 24	11 5	1 12	3 31	1 6	8 36	2 13	19 5	0 41	3 23	1 24	26 47	6 58	13 7	13 38	27 36	16 23	2 58
F 19	2 12	8 19	0 59	10 20	1 46	1 6	1 23	10 48	1 12	3 25	1 6	8 39	2 13	19 5	0 41	3 22	1 24	26 47	6 58	13 7	13 37	27 36	16 23	2 58
S 20	2 35	14 2	0s12	10 3	1 54	0 36	1 23	10 30	1 12	3 19	1 6	8 42	2 13	19 5	0 41	3 21	1 24	26 47	6 58	13 6	13 36	27 35	16 24	2 58
S 21	2 59	19 0	1 21	9 44	2 0	0 5	1 22	10 13	1 12	3 14	1 7	8 44	2 13	19 5	0 41	3 21	1 24	26 47	6 58	13 7	13 35	27 35	16 25	2 58
M22	3 22	23 1	2 25	9 24	2 6	0n25	1 21	9 56	1 12	3 8	1 7	8 47	2 13	19 6	0 41	3 20	1 24	26 47	6 58	13 7	13 34	27 35	16 26	2 57
T 23	3 45	25 55	3 20	9 3	2 12	0 55	1 20	9 38	1 12	3 2	1 7	8 50	2 13	19 6	0 41	3 19	1 24	26 47	6 58	13 8	13 33	27 34	16 27	2 57
W24	4 8	27 36	4 7	8 40	2 17	1 26	1 19	9 21	1 12	2 57	1 7	8 53	2 13	19 6	0 41	3 18	1 24	26 47	6 58	13 8	13 32	27 34	16 28	2 57
T 25	4 31	27 59	4 41	8 15	2 21	1 56	1 18	9 3	1 12	2 51	1 7	8 55	2 13	19 6	0 41	3 17	1 24	26 47	6 58	13 8	13 31	27 33	16 29	2 57
F 26	4 54	27 4	5 4	7 49	2 25	2 26	1 17	8 45	1 12	2 46	1 7	8 58	2 13	19 6	0 41	3 16	1 24	26 47	6 58	13 8	13 29	27 33	16 30	2 57
S 27	5 17	24 55	5 14	7 21	2 28	2 56	1 16	8 28	1 12	2 40	1 7	9 1	2 13	19 6	0 41	3 15	1 24	26 47	6 57	13 8	13 28	27 32	16 30	2 57
S 28	5 40	21 39	5 10	6 52	2 31	3 27	1 15	8 10	1 12	2 34	1 7	9 4	2 12	19 7	0 41	3 15	1 24	26 47	6 57	13 7	13 27	27 32	16 31	2 57
M29	6 3	17 25	4 53	6 21	2 33	3 57	1 14	7 52	1 12	2 29	1 7	9 6	2 12	19 7	0 41	3 14	1 24	26 47	6 57	13 6	13 26	27 32	16 32	2 57
T 30	6 26	12 22	4 21	5 50	2 35	4 27	1 13	7 34	1 12	2 23	1 7	9 9	2 12	19 7	0 41	3 13	1 24	26 47	6 57	13 5	13 25	27 31	16 33	2 57
W31	6n48	6s42	3s35	5s16	2s36	4n57	1s11	7s16	1s12	2s18	1s 7	9n12	2s12	19n 7	0n41	3s12	1s24	26n47	6n57	13n 5	13n24	27s31	16n34	2s57

Julian Day Number = 2160878.5, Delta T = 13m13s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'36, Lahiri = 12°45'36 Julian Calendar 1 March 1204 == Greg. Calendar 8 March 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

APRIL 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 30	18♈13'45	4♈29	24♓14	16♈31	15♓12	27♓ 3	29♈24	7°R36	25♓14	1°R 5	4°R28	5♉25	14♊49	26♉29	T 1
F 2	13 9 26	19°12'16	17°50	25°44	17°45	15°58	27°17	29°31	7♌35	25°16	1♌ 5	4♉26	5°22	14°55	26°33	F 2
S 3	13 13 23	20°10'46	1♉27	27°15	18°59	16°45	27°31	29°39	7°35	25°18	1° 5	4°D26	5°19	15° 2	26°37	S 3
S 4	13 17 19	21° 9'13	15°17	28°49	20°13	17°31	27°45	29°47	7°35	25°20	1° 5	4°26	5°15	15° 9	26°41	S 4
M 5	13 21 16	22° 7'38	29°19	0♈24	21°28	18°18	27°59	29°54	7°35	25°22	1° 5	4°27	5°12	15°15	26°45	M 5
T 6	13 25 12	23° 6'01	13♊29	2° 1	22°42	19° 4	28°13	0♉ 2	7°34	25°24	1°D 5	4°27	5° 9	15°22	26°49	T 6
W 7	13 29 9	24° 4'23	27°43	3°39	23°56	19°50	28°26	0°10	7°34	25°26	1° 5	4°28	5° 6	15°29	26°54	W 7
T 8	13 33 5	25° 2'42	11♋58	5°20	25°10	20°37	28°40	0°17	7°D34	25°28	1° 5	4°29	5° 3	15°36	26°58	T 8
F 9	13 37 2	26° 0'59	26°12	7° 2	26°24	21°23	28°54	0°25	7°34	25°30	1° 5	4°R29	5° 0	15°42	27° 2	F 9
S 10	13 40 59	26°59'13	10♌23	8°46	27°38	22° 9	29° 8	0°33	7°35	25°32	1° 5	4°29	4°56	15°49	27° 6	S 10
S 11	13 44 55	27°57'26	24°27	10°32	28°52	22°55	29°21	0°41	7°35	25°34	1° 5	4°28	4°53	15°56	27°10	S 11
M12	13 48 52	28°55'36	8♍23	12°19	0♉ 6	23°41	29°35	0°48	7°35	25°36	1° 6	4°28	4°50	16° 3	27°15	M12
T 13	13 52 48	29°53'45	22° 9	14° 9	1°20	24°27	29°48	0°56	7°35	25°38	1° 6	4°27	4°47	16° 9	27°19	T 13
W14	13 56 45	0♉51'51	5♎43	16° 0	2°34	25°13	0♈ 2	1° 4	7°35	25°40	1° 6	4°27	4°44	16°16	27°23	W14
T 15	14 0 41	1°49'56	19° 3	17°53	3°48	25°59	0°15	1°12	7°36	25°42	1° 6	4°27	4°40	16°23	27°28	T 15
F 16	14 4 38	2°47'58	2♏ 9	19°48	5° 2	26°45	0°28	1°19	7°36	25°44	1° 6	4°D27	4°37	16°29	27°32	F 16
S 17	14 8 34	3°46'00	14°59	21°44	6°16	27°31	0°42	1°27	7°37	25°46	1° 7	4°27	4°34	16°36	27°36	S 17
S 18	14 12 31	4°43'59	27°35	23°42	7°30	28°17	0°55	1°35	7°37	25°48	1° 7	4°R27	4°31	16°43	27°41	S 18
M19	14 16 28	5°41'57	9♐56	25°42	8°43	29° 3	1° 8	1°43	7°38	25°50	1° 7	4°26	4°28	16°50	27°45	M19
T 20	14 20 24	6°39'54	22° 6	27°44	9°57	29°49	1°21	1°50	7°38	25°52	1° 8	4°26	4°25	16°56	27°50	T 20
W21	14 24 21	7°37'49	4♑ 6	29°47	11°11	0♈35	1°34	1°58	7°39	25°53	1° 8	4°26	4°21	17° 3	27°54	W21
T 22	14 28 17	8°35'43	16° 1	1♉52	12°25	1°21	1°47	2° 6	7°40	25°55	1° 9	4°26	4°18	17°10	27°59	T 22
F 23	14 32 14	9°33'36	27°54	3°58	13°39	2° 6	2° 0	2°14	7°41	25°57	1° 9	4°25	4°15	17°16	28° 3	F 23
S 24	14 36 10	10°31'27	9♒50	6° 5	14°53	2°52	2°13	2°21	7°42	25°59	1°10	4°D25	4°12	17°23	28° 8	S 24
S 25	14 40 7	11°29'17	21°52	8°14	16° 7	3°38	2°26	2°29	7°42	26° 0	1°10	4°25	4° 9	17°30	28°12	S 25
M26	14 44 3	12°27'06	4♓ 6	10°24	17°20	4°23	2°39	2°37	7°43	26° 2	1°11	4°26	4° 6	17°37	28°17	M26
T 27	14 48 0	13°24'53	16°37	12°34	18°34	5° 9	2°51	2°44	7°44	26° 4	1°11	4°26	4° 2	17°43	28°21	T 27
W28	14 51 57	14°22'39	29°26	14°45	19°48	5°54	3° 4	2°52	7°45	26° 5	1°12	4°27	3°59	17°50	28°26	W28
T 29	14 55 53	15°20'24	12♈37	16°56	21° 2	6°40	3°16	3° 0	7°47	26° 7	1°12	4°28	3°56	17°57	28°31	T 29
F 30	14 59 50	16♉18'08	26♈10	19♉ 8	22♉16	7♈25	3♈29	3♉ 7	7♌48	26♓ 9	1♌13	4♉29	3♉53	18♊ 3	28♉35	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	7n11	0s37	2s38	4s42	2s37	5n27	1s10	6s58	1s12	2s12	1s 7	9n15	2s12	19n 7	0n41	3s11	1s24	26n46	6n57	13n 4	13n23	27s30	16n35	2s57	T 1
F 2	7 33	5n38	1 30	4 6	2 37	5 56	1 9	6 40	1 12	2 7	1 7	9 18	2 12	19 7	0 41	3 10	1 24	26 46	6 57	13 3	13 22	27 30	16 36	2 57	F 2
S 3	7 55	11 46	0 16	3 29	2 36	6 26	1 7	6 22	1 12	2 1	1 7	9 20	2 12	19 7	0 41	3 10	1 24	26 46	6 57	13 3	13 21	27 29	16 37	2 57	S 3
S 4	8 17	17 27	1n 0	2 51	2 35	6 55	1 6	6 3	1 12	1 56	1 8	9 23	2 12	19 7	0 41	3 9	1 24	26 46	6 57	13 3	13 20	27 29	16 38	2 57	S 4
M 5	8 39	22 16	2 13	2 12	2 34	7 25	1 4	5 45	1 12	1 50	1 8	9 26	2 12	19 7	0 41	3 8	1 24	26 46	6 56	13 3	13 19	27 28	16 39	2 57	M 5
T 6	9 1	25 49	3 20	1 31	2 32	7 54	1 3	5 27	1 12	1 45	1 8	9 29	2 12	19 7	0 41	3 7	1 24	26 46	6 56	13 4	13 18	27 28	16 40	2 57	T 6
W 7	9 23	27 45	4 14	0 49	2 29	8 23	1 1	5 8	1 12	1 39	1 8	9 31	2 12	19 7	0 41	3 6	1 24	26 46	6 56	13 4	13 17	27 27	16 41	2 57	W 7
T 8	9 44	27 51	4 52	0 6	2 26	8 52	0 59	4 50	1 12	1 34	1 8	9 34	2 12	19 7	0 41	3 6	1 24	26 46	6 56	13 4	13 16	27 27	16 42	2 57	T 8
F 9	10 5	26 7	5 13	0n38	2 22	9 20	0 58	4 32	1 12	1 29	1 8	9 37	2 12	19 7	0 41	3 5	1 24	26 46	6 56	13 4	13 15	27 26	16 43	2 57	F 9
S 10	10 27	22 46	5 15	1 23	2 18	9 49	0 56	4 13	1 12	1 23	1 8	9 40	2 12	19 7	0 41	3 4	1 24	26 45	6 56	13 4	13 13	27 26	16 44	2 57	S 10
S 11	10 48	18 6	4 58	2 9	2 13	10 17	0 54	3 55	1 12	1 18	1 8	9 42	2 12	19 7	0 41	3 3	1 24	26 45	6 56	13 4	13 12	27 25	16 45	2 57	S 11
M12	11 8	12 31	4 23	2 56	2 8	10 45	0 52	3 37	1 11	1 13	1 8	9 45	2 12	19 7	0 41	3 2	1 24	26 45	6 56	13 4	13 11	27 25	16 46	2 57	M12
T 13	11 29	6 23	3 33	3 43	2 2	11 12	0 50	3 18	1 11	1 7	1 8	9 48	2 12	19 7	0 41	3 2	1 24	26 45	6 55	13 4	13 10	27 24	16 47	2 57	T 13
W14	11 50	0 3	2 33	4 32	1 56	11 40	0 48	3 0	1 11	1 2	1 8	9 50	2 12	19 6	0 41	3 1	1 24	26 45	6 55	13 4	13 9	27 24	16 48	2 57	W14
T 15	12 10	6s12	1 24	5 22	1 49	12 7	0 46	2 41	1 11	0 57	1 9	9 53	2 12	19 6	0 41	3 0	1 24	26 45	6 55	13 3	13 8	27 23	16 49	2 57	T 15
F 16	12 30	12 4	0 13	6 12	1 42	12 34	0 44	2 23	1 11	0 52	1 9	9 56	2 12	19 6	0 41	3 0	1 24	26 44	6 55	13 3	13 7	27 22	16 50	2 57	F 16
S 17	12 50	17 20	0s58	7 3	1 34	13 0	0 42	2 4	1 11	0 46	1 9	9 59	2 12	19 6	0 41	2 59	1 24	26 44	6 55	13 3	13 6	27 22	16 50	2 57	S 17
S 18	13 9	21 44	2 5	7 54	1 26	13 26	0 40	1 46	1 11	0 41	1 9	10 1	2 11	19 6	0 41	2 58	1 24	26 44	6 55	13 3	13 5	27 21	16 51	2 57	S 18
M19	13 29	25 4	3 4	8 46	1 18	13 52	0 38	1 27	1 11	0 36	1 9	10 4	2 11	19 6	0 41	2 57	1 24	26 44	6 55	13 3	13 4	27 21	16 52	2 57	M19
T 20	13 48	27 12	3 54	9 38	1 9	14 18	0 36	1 9	1 10	0 31	1 9	10 7	2 11	19 6	0 40	2 57	1 24	26 44	6 55	13 3	13 3	27 20	16 53	2 57	T 20
W21	14 7	28 2	4 34	10 31	1 0	14 43	0 34	0 50	1 10	0 26	1 9	10 9	2 11	19 5	0 40	2 56	1 25	26 44	6 55	13 3	13 2	27 19	16 54	2 57	W21
T 22	14 26	27 33	5 1	11 24	0 50	15 8	0 32	0 32	1 10	0 21	1 9	10 12	2 11	19 5	0 40	2 55	1 25	26 43	6 54	13 3	13 1	27 19	16 55	2 57	T 22
F 23	14 44	25 48	5 15	12 16	0 40	15 32	0 29	0 14	1 10	0 16	1 10	10 15	2 11	19 5	0 40	2 55	1 25	26 43	6 54	13 3	13 0	27 18	16 56	2 57	F 23
S 24	15 3	22 55	5 15	13 8	0 30	15 56	0 27	0n 5	1 10	0 11	1 10	10 17	2 11	19 5	0 40	2 54	1 25	26 43	6 54	13 3	12 58	27 18	16 57	2 57	S 24
S 25	15 21	19 2	5 2	14 0	0 19	16 20	0 25	0 23	1 9	0 6	1 10	10 20	2 11	19 4	0 40	2 53	1 25	26 43	6 54	13 3	12 57	27 17	16 58	2 57	S 25
M26	15 39	14 19	4 35	14 52	0 9	16 43	0 22	0 42	1 9	0 1	1 10	10 22	2 11	19 4	0 40	2 53	1 25	26 42	6 54	13 3	12 56	27 16	16 59	2 57	M26
T 27	15 56	8 55	3 55	15 42	0n 2	17 6	0 20	1 0	1 9	0n 4	1 10	10 25	2 11	19 4	0 40	2 52	1 25	26 42	6 54	13 3	12 55	27 16	17 0	2 57	T 27
W28	16 13	3 0	3 2	16 32	0 12	17 29	0 18	1 18	1 9	0 9	1 10	10 28	2 12	19 3	0 40	2 51	1 25	26 42	6 54	13 4	12 54	27 15	17 1	2 57	W28
T 29	16 30	3n12	1 58	17 20	0 23	17 51	0 16	1 36	1 8	0 14	1 10	10 30	2 12	19 3	0 40	2 51	1 25	26 42	6 54	13 4	12 53	27 14	17 2	2 57	T 29
F 30	16n47	9n26	0s46	18n 7	0n33	18n12	0s13	1n55	1s 8	0n19	1s10	10n33	2s12	19n 3	0n40	2s50	1s25	26n41	6n54	13n 4	12n52	27s14	17n 3	2s57	F 30

Julian Day Number = 2160909.5, Delta T = 13m13s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'40, Lahiri = 12°45'40 Julian Calendar 1 Apr. 1204 == Greg. Calendar 8 Apr. 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

MAY 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 46	17♉15'51	10♉ 6	21♉19	23♉29	8♈10	3♈41	3♉15	7♌49	26♓10	1♌14	4°R29	3♉50	18♑10	28♉40	S 1
S 2	15 7 43	18°13'32	24°20	23°29	24°43	8°56	3°54	3°23	7°50	26°12	1°14	4♉28	3°46	18°17	28°45	S 2
M 3	15 11 39	19°11'12	8♊49	25°39	25°57	9°41	4° 6	3°30	7°51	26°13	1°15	4°27	3°43	18°24	28°49	M 3
T 4	15 15 36	20° 8'51	23°26	27°48	27°11	10°26	4°18	3°38	7°53	26°15	1°16	4°25	3°40	18°30	28°54	T 4
W 5	15 19 32	21° 6'28	8♋ 6	29°55	28°25	11°11	4°30	3°45	7°54	26°16	1°16	4°23	3°37	18°37	28°59	W 5
T 6	15 23 29	22° 4'04	22°40	2♊ 1	29°38	11°57	4°42	3°53	7°56	26°18	1°17	4°21	3°34	18°44	29° 3	T 6
F 7	15 27 26	23° 1'38	7♌ 6	4° 5	0♊52	12°42	4°54	4° 0	7°57	26°19	1°18	4°20	3°31	18°50	29° 8	F 7
S 8	15 31 22	23°59'11	21°18	6° 7	2° 6	13°27	5° 6	4° 8	7°59	26°21	1°19	4°D19	3°27	18°57	29°13	S 8
S 9	15 35 19	24°56'42	5♍15	8° 7	3°19	14°12	5°18	4°15	8° 0	26°22	1°20	4°19	3°24	19° 4	29°18	S 9
M10	15 39 15	25°54'12	18°56	10° 4	4°33	14°56	5°29	4°23	8° 2	26°24	1°21	4°20	3°21	19°11	29°22	M10
T 11	15 43 12	26°51'40	2♎21	12° 0	5°47	15°41	5°41	4°30	8° 4	26°25	1°21	4°22	3°18	19°17	29°27	T 11
W12	15 47 8	27°49'07	15°31	13°52	7° 0	16°26	5°52	4°37	8° 6	26°26	1°22	4°23	3°15	19°24	29°32	W12
T 13	15 51 5	28°46'33	28°28	15°43	8°14	17°11	6° 4	4°45	8° 7	26°28	1°23	4°R24	3°11	19°31	29°36	T 13
F 14	15 55 1	29°43'57	11♏12	17°30	9°28	17°56	6°15	4°52	8° 9	26°29	1°24	4°24	3° 8	19°37	29°41	F 14
S 15	15 58 58	0♊41'21	23°44	19°15	10°41	18°40	6°26	4°59	8°11	26°30	1°25	4°23	3° 5	19°44	29°46	S 15
S 16	16 2 55	1°38'44	6♐ 6	20°57	11°55	19°25	6°37	5° 6	8°13	26°31	1°26	4°20	3° 2	19°51	29°51	S 16
M17	16 6 51	2°36'06	18°18	22°37	13° 8	20° 9	6°48	5°14	8°15	26°32	1°27	4°16	2°59	19°58	29°55	M17
T 18	16 10 48	3°33'27	0♑22	24°14	14°22	20°54	6°59	5°21	8°17	26°34	1°28	4°12	2°56	20° 4	0♊ 0	T 18
W19	16 14 44	4°30'47	12°19	25°48	15°36	21°38	7°10	5°28	8°19	26°35	1°30	4° 6	2°52	20°11	0° 5	W19
T 20	16 18 41	5°28'07	24°13	27°19	16°49	22°23	7°21	5°35	8°21	26°36	1°31	4° 1	2°49	20°18	0°10	T 20
F 21	16 22 37	6°25'26	6♒ 5	28°47	18° 3	23° 7	7°32	5°42	8°23	26°37	1°32	3°57	2°46	20°25	0°14	F 21
S 22	16 26 34	7°22'44	18° 0	0♋12	19°16	23°51	7°42	5°49	8°25	26°38	1°33	3°54	2°43	20°31	0°19	S 22
S 23	16 30 30	8°20'02	0♓ 1	1°35	20°30	24°35	7°52	5°56	8°28	26°39	1°34	3°52	2°40	20°38	0°24	S 23
M24	16 34 27	9°17'19	12°13	2°54	21°43	25°19	8° 3	6° 3	8°30	26°40	1°35	3°D52	2°37	20°45	0°28	M24
T 25	16 38 24	10°14'36	24°41	4°11	22°57	26° 3	8°13	6°10	8°32	26°41	1°36	3°53	2°33	20°51	0°33	T 25
W26	16 42 20	11°11'53	7♈28	5°25	24°10	26°47	8°23	6°17	8°35	26°42	1°38	3°54	2°30	20°58	0°38	W26
T 27	16 46 17	12° 9'09	20°39	6°35	25°24	27°31	8°33	6°24	8°37	26°43	1°39	3°55	2°27	21° 5	0°43	T 27
F 28	16 50 13	13° 6'25	4♉16	7°42	26°37	28°15	8°43	6°30	8°39	26°43	1°40	3°R56	2°24	21°12	0°47	F 28
S 29	16 54 10	14° 3'40	18°20	8°47	27°51	28°59	8°53	6°37	8°42	26°44	1°41	3°55	2°21	21°18	0°52	S 29
S 30	16 58 6	15° 0'55	2♊48	9°47	29° 4	29°43	9° 2	6°44	8°45	26°45	1°43	3°53	2°17	21°25	0°57	S 30
M31	17 2 3	15♊58'10	17♊36	10♋45	0♋18	0♉27	9♈12	6♉50	8♌47	26♓46	1♌44	3♉48	2♉14	21♑32	1♊ 1	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 4	15n24	0n31	18n52	0n43	18n33	0s11	2n13	1s 8	0n24	1s11	10n35	2s12	19n 2	0n40	2s50	1s25	26n41	6n53	13n 4	12n51	27s13	17n 4	2s57
S 2	17 20	20 41	1 48	19 35	0 53	18 54	0 8	2 31	1 8	0 28	1 11	10 38	2 12	19 2	0 40	2 49	1 25	26 41	6 53	13 4	12 50	27 12	17 5	2 57
M 3	17 36	24 48	2 58	20 16	1 2	19 14	0 6	2 49	1 7	0 33	1 11	10 40	2 12	19 2	0 40	2 48	1 25	26 41	6 53	13 4	12 49	27 11	17 6	2 57
T 4	17 52	27 21	3 58	20 55	1 12	19 33	0 4	3 7	1 7	0 38	1 11	10 43	2 12	19 1	0 40	2 48	1 25	26 40	6 53	13 3	12 48	27 11	17 7	2 57
W 5	18 7	28 0	4 43	21 32	1 20	19 52	0 1	3 25	1 7	0 42	1 11	10 46	2 12	19 1	0 40	2 47	1 25	26 40	6 53	13 2	12 47	27 10	17 8	2 57
T 6	18 22	26 42	5 9	22 6	1 28	20 11	0n 1	3 43	1 7	0 47	1 11	10 48	2 12	19 1	0 40	2 47	1 25	26 40	6 53	13 2	12 46	27 9	17 9	2 57
F 7	18 37	23 39	5 15	22 37	1 36	20 29	0 4	4 1	1 6	0 52	1 12	10 51	2 12	19 0	0 40	2 46	1 25	26 39	6 53	13 1	12 44	27 8	17 10	2 58
S 8	18 51	19 13	5 1	23 6	1 42	20 46	0 6	4 19	1 6	0 56	1 12	10 53	2 12	19 0	0 40	2 46	1 25	26 39	6 53	13 1	12 43	27 8	17 11	2 58
S 9	19 5	13 49	4 30	23 32	1 48	21 3	0 8	4 37	1 6	1 1	1 12	10 55	2 12	18 59	0 40	2 45	1 25	26 39	6 53	13 1	12 42	27 7	17 12	2 58
M10	19 19	7 50	3 45	23 56	1 54	21 19	0 11	4 54	1 5	1 5	1 12	10 58	2 12	18 59	0 40	2 45	1 25	26 39	6 52	13 1	12 41	27 6	17 13	2 58
T 11	19 32	1 37	2 47	24 17	1 59	21 35	0 13	5 12	1 5	1 10	1 12	11 0	2 12	18 58	0 40	2 44	1 25	26 38	6 52	13 2	12 40	27 5	17 14	2 58
W12	19 46	4s34	1 42	24 36	2 2	21 50	0 16	5 30	1 5	1 14	1 12	11 3	2 12	18 58	0 40	2 44	1 25	26 38	6 52	13 2	12 39	27 5	17 15	2 58
T 13	19 58	10 28	0 33	24 51	2 6	22 4	0 18	5 47	1 4	1 19	1 12	11 5	2 12	18 57	0 40	2 43	1 25	26 38	6 52	13 3	12 38	27 4	17 15	2 58
F 14	20 11	15 51	0s37	25 5	2 8	22 18	0 20	6 5	1 4	1 23	1 13	11 7	2 12	18 57	0 40	2 43	1 26	26 37	6 52	13 3	12 37	27 3	17 16	2 58
S 15	20 23	20 28	1 44	25 16	2 10	22 31	0 23	6 22	1 4	1 27	1 13	11 10	2 12	18 56	0 40	2 42	1 26	26 37	6 52	13 2	12 36	27 2	17 17	2 58
S 16	20 35	24 8	2 45	25 24	2 11	22 44	0 25	6 39	1 3	1 31	1 13	11 12	2 12	18 56	0 40	2 42	1 26	26 37	6 52	13 1	12 35	27 1	17 18	2 58
M17	20 46	26 38	3 37	25 31	2 11	22 56	0 28	6 56	1 3	1 36	1 13	11 15	2 12	18 55	0 40	2 41	1 26	26 36	6 52	13 0	12 34	27 1	17 19	2 58
T 18	20 57	27 52	4 19	25 35	2 10	23 7	0 30	7 14	1 2	1 40	1 13	11 17	2 12	18 55	0 40	2 41	1 26	26 36	6 52	12 58	12 32	27 0	17 20	2 58
W19	21 8	27 46	4 50	25 37	2 9	23 18	0 32	7 31	1 2	1 44	1 14	11 19	2 13	18 54	0 40	2 41	1 26	26 36	6 52	12 57	12 31	26 59	17 21	2 59
T 20	21 19	26 24	5 7	25 37	2 6	23 28	0 34	7 48	1 2	1 48	1 14	11 21	2 13	18 54	0 40	2 40	1 26	26 35	6 52	12 55	12 30	26 58	17 22	2 59
F 21	21 29	23 51	5 11	25 36	2 3	23 37	0 37	8 4	1 1	1 52	1 14	11 24	2 13	18 53	0 40	2 40	1 26	26 35	6 51	12 53	12 29	26 57	17 23	2 59
S 22	21 38	20 17	5 2	25 32	2 0	23 45	0 39	8 21	1 1	1 56	1 14	11 26	2 13	18 52	0 40	2 40	1 26	26 35	6 51	12 52	12 28	26 56	17 23	2 59
S 23	21 48	15 52	4 40	25 27	1 55	23 53	0 41	8 38	1 0	2 0	1 14	11 28	2 13	18 52	0 40	2 39	1 26	26 34	6 51	12 52	12 27	26 55	17 24	2 59
M24	21 56	10 46	4 5	25 21	1 50	24 0	0 43	8 54	1 0	2 4	1 15	11 30	2 13	18 51	0 39	2 39	1 26	26 34	6 51	12 52	12 26	26 55	17 25	2 59
T 25	22 5	5 8	3 17	25 13	1 44	24 7	0 46	9 11	1 0	2 8	1 15	11 33	2 13	18 51	0 39	2 39	1 26	26 34	6 51	12 52	12 25	26 54	17 26	2 59
W26	22 13	0n51	2 19	25 4	1 38	24 13	0 48	9 27	0 59	2 12	1 15	11 35	2 13	18 50	0 39	2 38	1 26	26 33	6 51	12 52	12 24	26 53	17 27	2 59
T 27	22 21	6 59	1 12	24 53	1 30	24 18	0 50	9 44	0 59	2 15	1 15	11 37	2 13	18 49	0 39	2 38	1 26	26 33	6 51	12 53	12 23	26 52	17 28	2 59
F 28	22 28	13 2	0n 2	24 42	1 23	24 22	0 52	10 0	0 58	2 19	1 15	11 39	2 13	18 49	0 39	2 38	1 26	26 33	6 51	12 53	12 22	26 51	17 29	3 0
S 29	22 35	18 36	1 17	24 29	1 14	24 26	0 54	10 16	0 58	2 23	1 16	11 41	2 13	18 48	0 39	2 37	1 26	26 32	6 51	12 53	12 20	26 50	17 29	3 0
S 30	22 42	23 16	2 30	24 15	1 5	24 29	0 56	10 32	0 57	2 26	1 16	11 43	2 14	18 47	0 39	2 37	1 26	26 32	6 51	12 52	12 19	26 49	17 30	3 0
M31	22n48	26n31	3n34	24n 1	0n55	24n31	0n58	10n47	0s57	2n30	1s16	11n45	2s14	18n46	0n39	2s37	1s26	26n31	6n51	12n50	12n18	26s48	17n31	3s 0

Julian Day Number = 2160939.5, Delta T = 13m13s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'44, Lahiri = 12°45'45 Julian Calendar 1 May 1204 == Greg. Calendar 8 May 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

JUNE 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 59	16♊55'25	2♋37	11♋39	1♋31	1♉10	9♈21	6♉57	8♏50	26♓46	1♏45	3°R42	2♉11	21♑38	1♊ 6	T 1
W 2	17 9 56	17°52'39	17°40	12°29	2°45	1°54	9°31	7° 4	8°52	26°47	1°47	3♉36	2° 8	21°45	1°10	W 2
T 3	17 13 53	18°49'52	2♏37	13°16	3°58	2°37	9°40	7°10	8°55	26°48	1°48	3°30	2° 5	21°52	1°15	T 3
F 4	17 17 49	19°47'05	17°20	13°59	5°12	3°21	9°49	7°17	8°58	26°48	1°50	3°25	2° 2	21°59	1°20	F 4
S 5	17 21 46	20°44'17	1♍42	14°39	6°25	4° 4	9°58	7°23	9° 0	26°49	1°51	3°21	1°58	22° 5	1°24	S 5
S 6	17 25 42	21°41'28	15°42	15°14	7°39	4°47	10° 6	7°29	9° 3	26°50	1°52	3°D20	1°55	22°12	1°29	S 6
M 7	17 29 39	22°38'39	29°18	15°45	8°52	5°30	10°15	7°35	9° 6	26°50	1°54	3°20	1°52	22°19	1°33	M 7
T 8	17 33 35	23°35'49	12♎33	16°12	10° 5	6°14	10°24	7°42	9° 9	26°51	1°55	3°21	1°49	22°26	1°38	T 8
W 9	17 37 32	24°32'59	25°29	16°34	11°19	6°57	10°32	7°48	9°12	26°51	1°57	3°22	1°46	22°32	1°42	W 9
T 10	17 41 29	25°30'09	8♏ 9	16°52	12°32	7°40	10°40	7°54	9°15	26°52	1°58	3°R22	1°43	22°39	1°47	T 10
F 11	17 45 25	26°27'18	20°36	17° 6	13°46	8°23	10°48	8° 0	9°18	26°52	2° 0	3°20	1°39	22°46	1°51	F 11
S 12	17 49 22	27°24'27	2♐53	17°15	14°59	9° 5	10°56	8° 6	9°21	26°52	2° 1	3°17	1°36	22°52	1°56	S 12
S 13	17 53 18	28°21'35	15° 2	17°R19	16°12	9°48	11° 4	8°12	9°24	26°53	2° 3	3°10	1°33	22°59	2° 0	S 13
M14	17 57 15	29°18'44	27° 5	17°19	17°26	10°31	11°12	8°18	9°27	26°53	2° 4	3° 2	1°30	23° 6	2° 5	M14
T 15	18 1 11	0♋15'53	9♑ 2	17°14	18°39	11°14	11°19	8°24	9°30	26°53	2° 6	2°52	1°27	23°13	2° 9	T 15
W16	18 5 8	1°13'02	20°57	17° 4	19°52	11°56	11°27	8°29	9°33	26°54	2° 8	2°41	1°23	23°19	2°13	W16
T 17	18 9 4	2°10'11	2♒49	16°50	21° 6	12°39	11°34	8°35	9°36	26°54	2° 9	2°31	1°20	23°26	2°18	T 17
F 18	18 13 1	3° 7'20	14°42	16°32	22°19	13°21	11°41	8°41	9°39	26°54	2°11	2°21	1°17	23°33	2°22	F 18
S 19	18 16 58	4° 4'29	26°37	16° 9	23°32	14° 3	11°48	8°46	9°42	26°54	2°12	2°13	1°14	23°39	2°26	S 19
S 20	18 20 54	5° 1'39	8♓38	15°43	24°45	14°46	11°55	8°52	9°45	26°54	2°14	2° 7	1°11	23°46	2°30	S 20
M21	18 24 51	5°58'49	20°48	15°13	25°59	15°28	12° 2	8°57	9°49	26°54	2°16	2° 4	1° 8	23°53	2°34	M21
T 22	18 28 47	6°55'59	3♈13	14°40	27°12	16°10	12° 8	9° 2	9°52	26°54	2°17	2°D 3	1° 4	24° 0	2°39	T 22
W23	18 32 44	7°53'11	15°56	14° 5	28°25	16°52	12°15	9° 7	9°55	26°R54	2°19	2° 3	1° 1	24° 6	2°43	W23
T 24	18 36 40	8°50'22	29° 2	13°27	29°38	17°34	12°21	9°13	9°58	26°54	2°21	2°R 4	0°58	24°13	2°47	T 24
F 25	18 40 37	9°47'35	12♉35	12°48	0♏51	18°16	12°27	9°18	10° 2	26°54	2°22	2° 3	0°55	24°20	2°51	F 25
S 26	18 44 33	10°44'48	26°37	12° 9	2° 5	18°58	12°33	9°23	10° 5	26°54	2°24	2° 1	0°52	24°27	2°55	S 26
S 27	18 48 30	11°42'02	11♊ 6	11°29	3°18	19°40	12°38	9°28	10° 9	26°54	2°26	1°57	0°49	24°33	2°59	S 27
M28	18 52 27	12°39'16	26° 0	10°50	4°31	20°21	12°44	9°33	10°12	26°54	2°27	1°50	0°45	24°40	3° 3	M28
T 29	18 56 23	13°36'31	11♋11	10°12	5°44	21° 3	12°49	9°37	10°15	26°54	2°29	1°41	0°42	24°47	3° 7	T 29
W30	19 0 20	14♋33'46	26♋29	9♋36	6♏57	21♉44	12♈54	9♉42	10♏19	26♓53	2♏31	1♉30	0♉39	24♑53	3♊11	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n54	27n55	4n24	23n46	0n44	24n32	1n 0	11n 3	0s56	2n33	1s16	11n47	2s14	18n46	0n39	2s37	1s26	26n31	6n51	12n48	12n17	26s47	17n32	3s 0
W 2	22 59	27 16	4 56	23 30	0 33	24 33	1 2	11 19	0 56	2 37	1 16	11 49	2 14	18 45	0 39	2 36	1 27	26 31	6 51	12 46	12 16	26 46	17 33	3 0
T 3	23 4	24 39	5 8	23 14	0 21	24 33	1 4	11 34	0 55	2 40	1 17	11 51	2 14	18 44	0 39	2 36	1 27	26 30	6 51	12 44	12 15	26 45	17 33	3 0
F 4	23 9	20 27	4 59	22 57	0 9	24 32	1 6	11 50	0 55	2 44	1 17	11 53	2 14	18 44	0 39	2 36	1 27	26 30	6 50	12 42	12 14	26 44	17 34	3 1
S 5	23 13	15 8	4 31	22 40	0s 4	24 31	1 8	12 5	0 54	2 47	1 17	11 55	2 14	18 43	0 39	2 36	1 27	26 30	6 50	12 41	12 13	26 43	17 35	3 1
S 6	23 17	9 10	3 48	22 23	0 18	24 29	1 9	12 20	0 54	2 50	1 17	11 57	2 14	18 42	0 39	2 36	1 27	26 29	6 50	12 41	12 12	26 42	17 36	3 1
M 7	23 20	2 55	2 53	22 5	0 32	24 26	1 11	12 35	0 53	2 53	1 17	11 59	2 15	18 41	0 39	2 35	1 27	26 29	6 50	12 41	12 11	26 41	17 36	3 1
T 8	23 23	3s18	1 50	21 48	0 46	24 22	1 13	12 50	0 53	2 57	1 18	12 1	2 15	18 41	0 39	2 35	1 27	26 28	6 50	12 41	12 9	26 40	17 37	3 1
W 9	23 26	9 14	0 42	21 30	1 1	24 18	1 14	13 4	0 52	3 0	1 18	12 3	2 15	18 40	0 39	2 35	1 27	26 28	6 50	12 41	12 8	26 39	17 38	3 1
T 10	23 28	14 42	0s26	21 13	1 16	24 12	1 16	13 19	0 52	3 3	1 18	12 5	2 15	18 39	0 39	2 35	1 27	26 28	6 50	12 41	12 7	26 38	17 39	3 2
F 11	23 30	19 27	1 31	20 56	1 31	24 7	1 17	13 33	0 51	3 6	1 18	12 6	2 15	18 38	0 39	2 35	1 27	26 27	6 50	12 41	12 6	26 37	17 39	3 2
S 12	23 31	23 18	2 31	20 40	1 47	24 0	1 19	13 48	0 50	3 9	1 19	12 8	2 15	18 37	0 39	2 35	1 27	26 27	6 50	12 40	12 5	26 36	17 40	3 2
S 13	23 32	26 5	3 24	20 24	2 2	23 53	1 20	14 2	0 50	3 11	1 19	12 10	2 15	18 37	0 39	2 35	1 27	26 26	6 50	12 38	12 4	26 35	17 41	3 2
M14	23 33	27 37	4 7	20 8	2 18	23 45	1 21	14 16	0 49	3 14	1 19	12 12	2 16	18 36	0 39	2 35	1 27	26 26	6 50	12 35	12 3	26 34	17 41	3 2
T 15	23 33	27 52	4 38	19 53	2 34	23 36	1 23	14 30	0 49	3 17	1 19	12 13	2 16	18 35	0 39	2 35	1 27	26 26	6 50	12 31	12 2	26 33	17 42	3 2
W16	23 32	26 48	4 57	19 39	2 49	23 27	1 24	14 43	0 48	3 20	1 20	12 15	2 16	18 34	0 39	2 35	1 27	26 25	6 50	12 28	12 1	26 32	17 43	3 3
T 17	23 32	24 32	5 4	19 26	3 4	23 17	1 25	14 57	0 47	3 22	1 20	12 17	2 16	18 33	0 39	2 34	1 27	26 25	6 50	12 24	11 59	26 31	17 43	3 3
F 18	23 30	21 13	4 57	19 14	3 19	23 6	1 26	15 10	0 47	3 25	1 20	12 18	2 16	18 32	0 39	2 34	1 27	26 25	6 50	12 20	11 58	26 30	17 44	3 3
S 19	23 29	17 2	4 37	19 2	3 33	22 55	1 27	15 24	0 46	3 27	1 20	12 20	2 16	18 31	0 39	2 34	1 27	26 24	6 50	12 18	11 57	26 29	17 45	3 3
S 20	23 27	12 9	4 5	18 52	3 46	22 43	1 28	15 37	0 46	3 30	1 21	12 22	2 16	18 31	0 39	2 34	1 28	26 24	6 50	12 16	11 56	26 28	17 45	3 3
M21	23 25	6 44	3 21	18 43	3 59	22 30	1 29	15 50	0 45	3 32	1 21	12 23	2 17	18 30	0 39	2 34	1 28	26 23	6 50	12 15	11 55	26 27	17 46	3 4
T 22	23 22	0 58	2 27	18 35	4 10	22 17	1 30	16 2	0 44	3 34	1 21	12 25	2 17	18 29	0 39	2 35	1 28	26 23	6 50	12 14	11 54	26 26	17 47	3 4
W23	23 19	5n 0	1 25	18 29	4 20	22 3	1 31	16 15	0 44	3 37	1 21	12 26	2 17	18 28	0 39	2 35	1 28	26 23	6 50	12 14	11 53	26 25	17 47	3 4
T 24	23 15	10 56	0 16	18 24	4 29	21 48	1 32	16 28	0 43	3 39	1 22	12 28	2 17	18 27	0 39	2 35	1 28	26 22	6 50	12 14	11 52	26 24	17 48	3 4
F 25	23 11	16 34	0n56	18 20	4 37	21 33	1 32	16 40	0 42	3 41	1 22	12 29	2 17	18 26	0 39	2 35	1 28	26 22	6 50	12 14	11 51	26 22	17 48	3 4
S 26	23 6	21 32	2 6	18 18	4 43	21 17	1 33	16 52	0 42	3 43	1 22	12 31	2 17	18 25	0 39	2 35	1 28	26 21	6 50	12 14	11 49	26 21	17 49	3 5
S 27	23 2	25 22	3 11	18 17	4 47	21 1	1 33	17 4	0 41	3 45	1 22	12 32	2 18	18 24	0 39	2 35	1 28	26 21	6 50	12 12	11 48	26 20	17 49	3 5
M28	22 56	27 34	4 5	18 17	4 50	20 44	1 34	17 16	0 40	3 47	1 23	12 33	2 18	18 23	0 39	2 35	1 28	26 21	6 50	12 10	11 47	26 19	17 50	3 5
T 29	22 51	27 46	4 43	18 19	4 51	20 27	1 34	17 28	0 40	3 49	1 23	12 35	2 18	18 22	0 39	2 35	1 28	26 20	6 50	12 7	11 46	26 18	17 50	3 5
W30	22n45	25n51	5n 0	18n22	4s50	20n 8	1n35	17n39	0s39	3n51	1s23	12n36	2s18	18n21	0n39	2s35	1s28	26n20	6n50	12n 3	11n45	26s17	17n51	3s 6

Julian Day Number = 2160970.5, Delta T = 13m12s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'48, Lahiri = 12°45'49 Julian Calendar 1 June 1204 == Greg. Calendar 8 June 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

JULY 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 4 16	15♋31'02	11♌42	9°R 3	8♌10	22♉26	13♈ 0	9♉47	10♌22	26°R53	2♌33	1°R21	0♉36	25♑ 0	3♊15	T 1
F 2	19 8 13	16°28'18	26°40	8♋33	9°24	23° 7	13° 4	9°51	10°26	26♓53	2°34	1♉12	0°33	25° 7	3°19	F 2
S 3	19 12 9	17°25'35	11♍16	8° 7	10°37	23°49	13° 9	9°56	10°29	26°53	2°36	1° 6	0°30	25°14	3°22	S 3
S 4	19 16 6	18°22'52	25°24	7°45	11°50	24°30	13°14	10° 0	10°33	26°52	2°38	1° 2	0°26	25°20	3°26	S 4
M 5	19 20 2	19°20'09	9♎ 4	7°27	13° 3	25°11	13°18	10° 5	10°36	26°52	2°39	1° 0	0°23	25°27	3°30	M 5
T 6	19 23 59	20°17'26	22°19	7°15	14°16	25°52	13°22	10° 9	10°40	26°52	2°41	1°D 0	0°20	25°34	3°33	T 6
W 7	19 27 56	21°14'44	5♏10	7° 9	15°29	26°33	13°26	10°13	10°43	26°51	2°43	1°R 0	0°17	25°41	3°37	W 7
T 8	19 31 52	22°12'03	17°42	7°D 8	16°42	27°13	13°30	10°17	10°47	26°51	2°45	0°59	0°14	25°47	3°41	T 8
F 9	19 35 49	23° 9'22	0♐ 0	7°13	17°55	27°54	13°33	10°21	10°51	26°50	2°47	0°56	0°10	25°54	3°44	F 9
S 10	19 39 45	24° 6'42	12° 8	7°24	19° 8	28°35	13°37	10°25	10°54	26°50	2°48	0°51	0° 7	26° 1	3°48	S 10
S 11	19 43 42	25° 4'02	24° 8	7°41	20°21	29°15	13°40	10°29	10°58	26°49	2°50	0°43	0° 4	26° 7	3°51	S 11
M12	19 47 38	26° 1'23	6♑ 4	8° 5	21°34	29°56	13°43	10°32	11° 1	26°48	2°52	0°32	0° 1	26°14	3°55	M12
T 13	19 51 35	26°58'45	17°57	8°35	22°47	0♊36	13°46	10°36	11° 5	26°48	2°54	0°19	29♈58	26°21	3°58	T 13
W14	19 55 32	27°56'08	29°50	9°11	24° 0	1°17	13°49	10°40	11° 9	26°47	2°56	0° 6	29°55	26°28	4° 1	W14
T 15	19 59 28	28°53'32	11♒43	9°53	25°12	1°57	13°51	10°43	11°12	26°47	2°57	29♈52	29°51	26°34	4° 5	T 15
F 16	20 3 25	29°50'57	23°38	10°42	26°25	2°37	13°54	10°46	11°16	26°46	2°59	29°39	29°48	26°41	4° 8	F 16
S 17	20 7 21	0♌48'22	5♓38	11°37	27°38	3°17	13°56	10°50	11°20	26°45	3° 1	29°29	29°45	26°48	4°11	S 17
S 18	20 11 18	1°45'49	17°43	12°37	28°51	3°57	13°58	10°53	11°23	26°44	3° 3	29°21	29°42	26°55	4°14	S 18
M19	20 15 14	2°43'18	29°57	13°44	0♍ 4	4°37	13°59	10°56	11°27	26°44	3° 5	29°16	29°39	27° 1	4°17	M19
T 20	20 19 11	3°40'47	12♈23	14°56	1°16	5°16	14° 1	10°59	11°31	26°43	3° 6	29°14	29°35	27° 8	4°20	T 20
W21	20 23 7	4°38'18	25° 5	16°13	2°29	5°56	14° 2	11° 2	11°34	26°42	3° 8	29°13	29°32	27°15	4°23	W21
T 22	20 27 4	5°35'50	8♉ 7	17°36	3°42	6°36	14° 3	11° 5	11°38	26°41	3°10	29°13	29°29	27°21	4°26	T 22
F 23	20 31 1	6°33'24	21°34	19° 4	4°55	7°15	14° 4	11° 7	11°42	26°40	3°12	29°12	29°26	27°28	4°29	F 23
S 24	20 34 57	7°31'00	5♊27	20°36	6° 7	7°54	14° 5	11°10	11°46	26°39	3°14	29°10	29°23	27°35	4°32	S 24
S 25	20 38 54	8°28'37	19°48	22°13	7°20	8°34	14° 6	11°12	11°49	26°38	3°15	29° 6	29°20	27°42	4°34	S 25
M26	20 42 50	9°26'16	4♋34	23°54	8°33	9°13	14° 6	11°15	11°53	26°37	3°17	28°58	29°16	27°48	4°37	M26
T 27	20 46 47	10°23'56	19°39	25°39	9°45	9°52	14°R 6	11°17	11°57	26°36	3°19	28°49	29°13	27°55	4°40	T 27
W28	20 50 43	11°21'37	4♌56	27°27	10°58	10°31	14° 6	11°19	12° 1	26°35	3°21	28°39	29°10	28° 2	4°42	W28
T 29	20 54 40	12°19'20	20°11	29°17	12°10	11°10	14° 6	11°21	12° 4	26°34	3°23	28°28	29° 7	28° 8	4°45	T 29
F 30	20 58 36	13°17'04	5♍15	1♌10	13°23	11°49	14° 6	11°23	12° 8	26°33	3°24	28°19	29° 4	28°15	4°47	F 30
S 31	21 2 33	14♌14'50	19♍59	3♌ 6	14♍36	12♊27	14♈ 5	11♉25	12♌12	26♓32	3♌26	28♈12	29♈ 1	28♑22	4♊50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n38	22n 6	4n57	18n27	4s48	19n50	1n35	17n51	0s38	3n52	1s23	12n37	2s18	18n20	0n39	2s35	1s28	26n19	6n50	12n 0	11n44	26s15	17n52	3s 6
F 2	22 31	16 56	4 32	18 33	4 44	19 30	1 35	18 2	0 38	3 54	1 24	12 38	2 19	18 19	0 39	2 36	1 28	26 19	6 50	11 57	11 43	26 14	17 52	3 6
S 3	22 24	10 56	3 51	18 40	4 39	19 11	1 35	18 13	0 37	3 56	1 24	12 40	2 19	18 19	0 39	2 36	1 28	26 19	6 50	11 54	11 42	26 13	17 52	3 6
S 4	22 17	4 32	2 56	18 48	4 32	18 50	1 35	18 24	0 36	3 57	1 24	12 41	2 19	18 18	0 39	2 36	1 28	26 18	6 50	11 53	11 41	26 12	17 53	3 6
M 5	22 9	1s53	1 53	18 57	4 23	18 29	1 35	18 34	0 35	3 59	1 24	12 42	2 19	18 17	0 39	2 36	1 28	26 18	6 50	11 52	11 39	26 11	17 53	3 7
T 6	22 0	8 1	0 46	19 7	4 14	18 8	1 35	18 45	0 35	4 0	1 25	12 43	2 19	18 16	0 39	2 36	1 28	26 17	6 50	11 52	11 38	26 9	17 54	3 7
W 7	21 52	13 39	0s22	19 18	4 3	17 46	1 35	18 55	0 34	4 1	1 25	12 44	2 20	18 15	0 39	2 37	1 28	26 17	6 50	11 52	11 37	26 8	17 54	3 7
T 8	21 42	18 35	1 27	19 30	3 51	17 24	1 35	19 5	0 33	4 2	1 25	12 45	2 20	18 14	0 39	2 37	1 29	26 17	6 50	11 52	11 36	26 7	17 55	3 7
F 9	21 33	22 38	2 27	19 42	3 39	17 1	1 34	19 15	0 32	4 4	1 26	12 46	2 20	18 13	0 39	2 37	1 29	26 16	6 50	11 51	11 35	26 6	17 55	3 8
S 10	21 23	25 38	3 19	19 55	3 25	16 38	1 34	19 25	0 32	4 5	1 26	12 47	2 20	18 12	0 39	2 37	1 29	26 16	6 50	11 49	11 34	26 5	17 56	3 8
S 11	21 13	27 26	4 1	20 8	3 11	16 15	1 33	19 35	0 31	4 6	1 26	12 48	2 20	18 11	0 39	2 38	1 29	26 15	6 50	11 46	11 33	26 3	17 56	3 8
M12	21 2	27 57	4 33	20 21	2 57	15 50	1 33	19 44	0 30	4 7	1 26	12 49	2 21	18 10	0 39	2 38	1 29	26 15	6 50	11 43	11 32	26 2	17 56	3 8
T 13	20 51	27 10	4 52	20 34	2 42	15 26	1 32	19 53	0 29	4 7	1 27	12 50	2 21	18 9	0 39	2 38	1 29	26 15	6 50	11 38	11 30	26 1	17 57	3 9
W14	20 40	25 9	4 59	20 47	2 27	15 1	1 31	20 2	0 29	4 8	1 27	12 51	2 21	18 8	0 39	2 38	1 29	26 14	6 50	11 33	11 29	26 0	17 57	3 9
T 15	20 28	22 2	4 53	21 0	2 11	14 36	1 31	20 11	0 28	4 9	1 27	12 52	2 21	18 7	0 39	2 39	1 29	26 14	6 50	11 28	11 28	25 58	17 57	3 9
F 16	20 16	18 0	4 34	21 12	1 55	14 10	1 30	20 20	0 27	4 10	1 28	12 53	2 21	18 6	0 39	2 39	1 29	26 14	6 51	11 24	11 27	25 57	17 58	3 9
S 17	20 4	13 15	4 3	21 23	1 40	13 44	1 29	20 29	0 26	4 10	1 28	12 54	2 22	18 5	0 39	2 39	1 29	26 13	6 51	11 20	11 26	25 56	17 58	3 10
S 18	19 51	7 57	3 20	21 33	1 24	13 18	1 28	20 37	0 25	4 11	1 28	12 55	2 22	18 4	0 39	2 40	1 29	26 13	6 51	11 17	11 25	25 54	17 58	3 10
M19	19 38	2 17	2 28	21 41	1 9	12 51	1 27	20 45	0 25	4 11	1 28	12 55	2 22	18 3	0 39	2 40	1 29	26 12	6 51	11 16	11 24	25 53	17 59	3 10
T 20	19 25	3n34	1 28	21 49	0 54	12 24	1 26	20 53	0 24	4 11	1 29	12 56	2 22	18 1	0 39	2 41	1 29	26 12	6 51	11 15	11 23	25 52	17 59	3 11
W21	19 11	9 25	0 22	21 54	0 39	11 57	1 24	21 1	0 23	4 12	1 29	12 57	2 23	18 0	0 39	2 41	1 29	26 12	6 51	11 15	11 21	25 50	17 59	3 11
T 22	18 57	15 1	0n47	21 58	0 25	11 29	1 23	21 9	0 22	4 12	1 29	12 57	2 23	17 59	0 39	2 41	1 29	26 11	6 51	11 15	11 20	25 49	17 59	3 11
F 23	18 43	20 5	1 55	22 0	0 11	11 1	1 22	21 16	0 21	4 12	1 29	12 58	2 23	17 58	0 39	2 42	1 29	26 11	6 51	11 14	11 19	25 48	18 0	3 11
S 24	18 28	24 14	2 59	22 0	0n 2	10 33	1 20	21 23	0 20	4 12	1 30	12 59	2 23	17 57	0 39	2 42	1 29	26 11	6 51	11 14	11 18	25 46	18 0	3 12
S 25	18 13	27 2	3 54	21 57	0 15	10 4	1 19	21 30	0 20	4 12	1 30	12 59	2 23	17 56	0 39	2 43	1 29	26 10	6 51	11 12	11 17	25 45	18 0	3 12
M26	17 58	28 2	4 34	21 52	0 27	9 36	1 17	21 37	0 19	4 12	1 30	13 0	2 24	17 55	0 39	2 43	1 29	26 10	6 51	11 9	11 16	25 44	18 0	3 12
T 27	17 43	27 0	4 57	21 44	0 38	9 7	1 16	21 44	0 18	4 12	1 31	13 0	2 24	17 54	0 39	2 43	1 29	26 10	6 51	11 6	11 15	25 42	18 0	3 13
W28	17 27	23 57	4 59	21 33	0 49	8 37	1 14	21 51	0 17	4 11	1 31	13 1	2 24	17 53	0 39	2 44	1 30	26 9	6 51	11 2	11 14	25 41	18 1	3 13
T 29	17 11	19 14	4 40	21 20	0 58	8 8	1 12	21 57	0 16	4 11	1 31	13 1	2 24	17 52	0 39	2 44	1 30	26 9	6 52	10 59	11 12	25 40	18 1	3 13
F 30	16 54	13 22	4 1	21 4	1 7	7 38	1 10	22 3	0 15	4 11	1 31	13 1	2 25	17 51	0 39	2 45	1 30	26 9	6 52	10 55	11 11	25 38	18 1	3 14
S 31	16n38	6n51	3n 7	20n46	1n15	7n 8	1n 8	22n 9	0s14	4n10	1s32	13n 2	2s25	17n50	0n39	2s45	1s30	26n 8	6n52	10n53	11n10	25s37	18n 1	3s14

Julian Day Number = 2161000.5, Delta T = 13m12s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'52, Lahiri = 12°45'53 Julian Calendar 1 July 1204 == Greg. Calendar 8 July 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

AUGUST 1204 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 30	15♌12'36	4♎15	5♌ 3	15♍48	13♊ 6	14°R 4	11♉27	12♌16	26°R31	3♌28	28°R 8	28♈57	28♑29	4♊52	S 1
M 2	21 10 26	16°10'24	18° 2	7° 1	17° 0	13°44	14♈ 3	11°29	12°19	26♓30	3°30	28♈ 6	28°54	28°35	4°54	M 2
T 3	21 14 23	17° 8'13	1♏21	9° 0	18°13	14°22	14° 2	11°30	12°23	26°28	3°31	28°D 6	28°51	28°42	4°57	T 3
W 4	21 18 19	18° 6'03	14°15	11° 0	19°25	15° 1	14° 0	11°32	12°27	26°27	3°33	28°R 6	28°48	28°49	4°59	W 4
T 5	21 22 16	19° 3'54	26°47	13° 0	20°38	15°39	13°59	11°33	12°30	26°26	3°35	28° 6	28°45	28°56	5° 1	T 5
F 6	21 26 12	20° 1'47	9♐ 3	15° 0	21°50	16°17	13°57	11°34	12°34	26°25	3°37	28° 4	28°41	29° 2	5° 3	F 6
S 7	21 30 9	20°59'41	21° 7	16°59	23° 2	16°55	13°55	11°35	12°38	26°23	3°38	28° 0	28°38	29° 9	5° 5	S 7
S 8	21 34 5	21°57'37	3♑ 3	18°59	24°15	17°32	13°53	11°36	12°42	26°22	3°40	27°54	28°35	29°16	5° 7	S 8
M 9	21 38 2	22°55'34	14°56	20°57	25°27	18°10	13°50	11°37	12°45	26°21	3°42	27°45	28°32	29°22	5° 9	M 9
T 10	21 41 59	23°53'32	26°48	22°55	26°39	18°47	13°48	11°38	12°49	26°20	3°44	27°34	28°29	29°29	5°11	T 10
W11	21 45 55	24°51'32	8♒42	24°52	27°51	19°25	13°45	11°39	12°53	26°18	3°45	27°22	28°26	29°36	5°12	W11
T 12	21 49 52	25°49'33	20°39	26°49	29° 3	20° 2	13°42	11°40	12°56	26°17	3°47	27°11	28°22	29°43	5°14	T 12
F 13	21 53 48	26°47'36	2♓41	28°44	0♎15	20°39	13°39	11°40	13° 0	26°15	3°49	27° 0	28°19	29°49	5°16	F 13
S 14	21 57 45	27°45'41	14°49	0♍38	1°28	21°16	13°35	11°40	13° 4	26°14	3°50	26°51	28°16	29°56	5°17	S 14
S 15	22 1 41	28°43'48	27° 4	2°31	2°40	21°53	13°32	11°41	13° 7	26°13	3°52	26°45	28°13	0♒ 3	5°19	S 15
M16	22 5 38	29°41'56	9♈28	4°23	3°52	22°30	13°28	11°41	13°11	26°11	3°54	26°41	28°10	0°10	5°20	M16
T 17	22 9 34	0♍40'06	22° 3	6°13	5° 3	23° 7	13°24	11°R41	13°14	26°10	3°55	26°D40	28° 7	0°16	5°22	T 17
W18	22 13 31	1°38'19	4♉52	8° 3	6°15	23°43	13°20	11°41	13°18	26° 8	3°57	26°40	28° 3	0°23	5°23	W18
T 19	22 17 27	2°36'33	17°57	9°51	7°27	24°20	13°16	11°41	13°22	26° 7	3°59	26°41	28° 0	0°30	5°24	T 19
F 20	22 21 24	3°34'50	1♊22	11°38	8°39	24°56	13°11	11°41	13°25	26° 5	4° 0	26°R41	27°57	0°36	5°25	F 20
S 21	22 25 21	4°33'09	15° 8	13°24	9°51	25°32	13° 7	11°40	13°29	26° 4	4° 2	26°41	27°54	0°43	5°26	S 21
S 22	22 29 17	5°31'30	29°17	15° 9	11° 3	26° 8	13° 2	11°40	13°32	26° 2	4° 3	26°38	27°51	0°50	5°27	S 22
M23	22 33 14	6°29'53	13♋48	16°53	12°14	26°44	12°57	11°39	13°36	26° 1	4° 5	26°34	27°47	0°57	5°28	M23
T 24	22 37 10	7°28'18	28°36	18°35	13°26	27°20	12°52	11°38	13°39	25°59	4° 7	26°28	27°44	1° 3	5°29	T 24
W25	22 41 7	8°26'46	13♌35	20°17	14°38	27°55	12°46	11°38	13°43	25°58	4° 8	26°21	27°41	1°10	5°30	W25
T 26	22 45 3	9°25'15	28°36	21°57	15°49	28°31	12°41	11°37	13°46	25°56	4°10	26°14	27°38	1°17	5°31	T 26
F 27	22 49 0	10°23'46	13♍31	23°36	17° 1	29° 6	12°35	11°36	13°50	25°54	4°11	26° 7	27°35	1°23	5°31	F 27
S 28	22 52 57	11°22'19	28°10	25°15	18°13	29°41	12°30	11°35	13°53	25°53	4°13	26° 2	27°32	1°30	5°32	S 28
S 29	22 56 53	12°20'54	12♎26	26°52	19°24	0♋16	12°24	11°33	13°57	25°51	4°14	26° 0	27°28	1°37	5°32	S 29
M30	23 0 50	13°19'31	26°17	28°28	20°36	0°51	12°18	11°32	14° 0	25°50	4°16	25°D59	27°25	1°44	5°33	M30
T 31	23 4 46	14♍18'10	9♏40	0♎ 3	21♎47	1♋26	12♈11	11♉31	14♌ 3	25♓48	4♌17	26♈ 0	27♈22	1♒50	5♊33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n21	0n11	2n 3	20n25	1n22	6n38	1n 6	22n15	0s13	4n10	1s32	13n 2	2s25	17n49	0n39	2s46	1s30	26n 8	6n52	10n51	11n 9	25s35	18n 1	3s14	
M 2	16 4	6s17	0 53	20 1	1 28	6 8	1 4	22 21	0 12	4 9	1 32	13 2	2 25	17 48	0 39	2 46	1 30	26 8	6 52	10 51	11 8	25 34	18 1	3 14	
T 3	15 46	12 16	0s17	19 35	1 33	5 38	1 2	22 26	0 12	4 8	1 33	13 3	2 26	17 47	0 39	2 47	1 30	26 7	6 52	10 51	11 7	25 33	18 1	3 15	
W 4	15 28	17 32	1 25	19 6	1 37	5 7	1 0	22 31	0 11	4 7	1 33	13 3	2 26	17 46	0 39	2 47	1 30	26 7	6 52	10 51	11 6	25 31	18 1	3 15	
T 5	15 10	21 53	2 26	18 36	1 41	4 37	0 57	22 36	0 10	4 7	1 33	13 3	2 26	17 45	0 39	2 48	1 30	26 7	6 52	10 51	11 5	25 30	18 2	3 15	
F 6	14 52	25 11	3 19	18 3	1 43	4 6	0 55	22 41	0 9	4 6	1 33	13 3	2 26	17 44	0 39	2 48	1 30	26 6	6 52	10 50	11 3	25 28	18 2	3 16	
S 7	14 34	27 17	4 3	17 29	1 45	3 35	0 53	22 46	0 8	4 5	1 34	13 3	2 26	17 43	0 39	2 49	1 30	26 6	6 53	10 49	11 2	25 27	18 2	3 16	
S 8	14 15	28 5	4 35	16 53	1 46	3 4	0 50	22 51	0 7	4 3	1 34	13 3	2 27	17 42	0 39	2 49	1 30	26 6	6 53	10 46	11 1	25 25	18 2	3 16	
M 9	13 56	27 35	4 55	16 15	1 47	2 33	0 48	22 55	0 6	4 2	1 34	13 3	2 27	17 41	0 39	2 50	1 30	26 5	6 53	10 43	11 0	25 24	18 2	3 17	
T 10	13 37	25 50	5 2	15 37	1 46	2 2	0 45	22 59	0 5	4 1	1 34	13 3	2 27	17 40	0 39	2 51	1 30	26 5	6 53	10 39	10 59	25 22	18 2	3 17	
W11	13 18	22 56	4 57	14 57	1 45	1 30	0 42	23 3	0 4	4 0	1 35	13 3	2 27	17 39	0 39	2 51	1 30	26 5	6 53	10 35	10 58	25 21	18 2	3 17	
T 12	12 58	19 3	4 38	14 15	1 44	0 59	0 40	23 7	0 3	3 58	1 35	13 3	2 28	17 38	0 39	2 52	1 30	26 5	6 53	10 31	10 57	25 19	18 2	3 18	
F 13	12 38	14 24	4 7	13 33	1 42	0 28	0 37	23 11	0 2	3 57	1 35	13 3	2 28	17 36	0 39	2 52	1 30	26 4	6 53	10 27	10 55	25 18	18 2	3 18	
S 14	12 18	9 8	3 24	12 51	1 39	0s 4	0 34	23 14	0 1	3 55	1 35	13 3	2 28	17 35	0 39	2 53	1 30	26 4	6 54	10 24	10 54	25 17	18 2	3 18	
S 15	11 58	3 29	2 31	12 7	1 36	0 35	0 31	23 18	0n 0	3 54	1 36	13 3	2 28	17 34	0 39	2 53	1 30	26 4	6 54	10 21	10 53	25 15	18 1	3 19	
M16	11 38	2n23	1 31	11 23	1 33	1 6	0 28	23 21	0 1	3 52	1 36	13 3	2 29	17 33	0 39	2 54	1 30	26 3	6 54	10 20	10 52	25 13	18 1	3 19	
T 17	11 17	8 15	0 25	10 39	1 29	1 38	0 25	23 24	0 2	3 50	1 36	13 3	2 29	17 32	0 39	2 55	1 30	26 3	6 54	10 19	10 51	25 12	18 1	3 19	
W18	10 56	13 53	0n44	9 54	1 25	2 9	0 22	23 27	0 3	3 49	1 36	13 3	2 29	17 31	0 39	2 55	1 30	26 3	6 54	10 20	10 50	25 10	18 1	3 20	
T 19	10 35	19 3	1 52	9 8	1 20	2 40	0 19	23 30	0 4	3 47	1 36	13 2	2 29	17 30	0 39	2 56	1 30	26 3	6 54	10 20	10 49	25 9	18 1	3 20	
F 20	10 14	23 23	2 55	8 23	1 15	3 12	0 16	23 32	0 5	3 45	1 37	13 2	2 29	17 29	0 39	2 57	1 30	26 2	6 54	10 20	10 47	25 7	18 1	3 20	
S 21	9 53	26 32	3 50	7 37	1 10	3 43	0 13	23 34	0 6	3 43	1 37	13 2	2 30	17 28	0 39	2 57	1 30	26 2	6 55	10 20	10 46	25 6	18 1	3 21	
S 22	9 32	28 6	4 33	6 52	1 4	4 14	0 10	23 37	0 7	3 41	1 37	13 1	2 30	17 27	0 39	2 58	1 30	26 2	6 55	10 19	10 45	25 4	18 1	3 21	
M23	9 10	27 47	4 59	6 6	0 58	4 45	0 7	23 39	0 8	3 39	1 37	13 1	2 30	17 26	0 39	2 58	1 30	26 2	6 55	10 18	10 44	25 3	18 0	3 21	
T 24	8 48	25 32	5 7	5 20	0 52	5 16	0 4	23 41	0 9	3 36	1 38	13 1	2 30	17 25	0 39	2 59	1 30	26 2	6 55	10 15	10 43	25 1	18 0	3 22	
W25	8 26	21 30	4 53	4 34	0 46	5 47	0 0	23 42	0 11	3 34	1 38	13 0	2 31	17 24	0 39	3 0	1 30	26 1	6 55	10 13	10 42	25 0	18 0	3 22	
T 26	8 4	16 4	4 20	3 48	0 39	6 18	0s 3	23 44	0 12	3 32	1 38	13 0	2 31	17 23	0 39	3 0	1 30	26 1	6 56	10 10	10 41	24 58	18 0	3 22	
F 27	7 42	9 43	3 29	3 3	0 33	6 49	0 7	23 45	0 13	3 29	1 38	12 59	2 31	17 22	0 39	3 1	1 31	26 1	6 56	10 8	10 39	24 56	18 0	3 23	
S 28	7 20	2 56	2 25	2 18	0 26	7 19	0 10	23 47	0 14	3 27	1 38	12 59	2 31	17 21	0 39	3 2	1 31	26 1	6 56	10 6	10 38	24 55	17 59	3 23	
S 29	6 57	3s49	1 13	1 33	0 19	7 50	0 13	23 48	0 15	3 24	1 38	12 58	2 31	17 20	0 39	3 2	1 31	26 1	6 56	10 5	10 37	24 53	17 59	3 23	
M30	6 35	10 13	0s 2	0 48	0 12	8 20	0 17	23 49	0 16	3 22	1 39	12 57	2 32	17 19	0 39	3 3	1 31	26 0	6 56	10 5	10 36	24 52	17 59	3 24	
T 31	6n12	15s56	1s14	0n 3	0n 5	8s50	0s20	23n49	0n17	3n19	1s39	12n57	2s32	17n19	0n39	3s 4	1s31	26n 0	6n56	10n 5	10n35	24s50	17n59	3s24	

Julian Day Number = 2161031.5, Delta T = 13m12s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°38'57, Lahiri = 12°45'57 Julian Calendar 1 Aug. 1204 == Greg. Calendar 8 Aug. 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

SEPTEMBER 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 8 43	15♍16'50	22♏39	1♎37	22♎58	2♋ 0	12°R 5	11°R29	14♌ 7	25°R46	4♌19	26♈ 1	27♈19	1♒57	5♊34	W 1
T 2	23 12 39	16°15'33	5♐15	3°10	24°10	2°35	11♈58	11♉28	14°10	25♓45	4°20	26° 2	27°16	2° 4	5°34	T 2
F 3	23 16 36	17°14'17	17°33	4°42	25°21	3° 9	11°52	11°26	14°13	25°43	4°21	26°R 3	27°13	2°11	5°34	F 3
S 4	23 20 32	18°13'02	29°38	6°13	26°32	3°43	11°45	11°24	14°17	25°41	4°23	26° 2	27° 9	2°17	5°34	S 4
S 5	23 24 29	19°11'50	11♑34	7°44	27°43	4°17	11°38	11°22	14°20	25°40	4°24	26° 0	27° 6	2°24	5°R34	S 5
M 6	23 28 25	20°10'39	23°27	9°13	28°54	4°51	11°31	11°20	14°23	25°38	4°25	25°56	27° 3	2°31	5°34	M 6
T 7	23 32 22	21° 9'30	5♒20	10°41	0♏ 5	5°24	11°24	11°18	14°26	25°36	4°27	25°51	27° 0	2°37	5°34	T 7
W 8	23 36 19	22° 8'23	17°16	12° 8	1°16	5°58	11°17	11°16	14°29	25°35	4°28	25°45	26°57	2°44	5°34	W 8
T 9	23 40 15	23° 7'18	29°18	13°34	2°27	6°31	11°10	11°13	14°32	25°33	4°29	25°39	26°53	2°51	5°33	T 9
F 10	23 44 12	24° 6'14	11♓28	14°59	3°38	7° 4	11° 2	11°11	14°36	25°32	4°31	25°33	26°50	2°58	5°33	F 10
S 11	23 48 8	25° 5'13	23°48	16°23	4°49	7°37	10°55	11° 8	14°39	25°30	4°32	25°29	26°47	3° 4	5°33	S 11
S 12	23 52 5	26° 4'14	6♈18	17°46	6° 0	8°10	10°47	11° 6	14°42	25°28	4°33	25°26	26°44	3°11	5°32	S 12
M13	23 56 1	27° 3'17	18°59	19° 8	7°10	8°42	10°40	11° 3	14°45	25°26	4°34	25°24	26°41	3°18	5°32	M13
T 14	23 59 58	28° 2'22	1♉52	20°29	8°21	9°14	10°32	11° 0	14°48	25°25	4°36	25°D24	26°38	3°24	5°31	T 14
W15	0 3 54	29° 1'29	14°58	21°48	9°32	9°47	10°24	10°57	14°51	25°23	4°37	25°25	26°34	3°31	5°30	W15
T 16	0 7 51	0♎ 0'38	28°17	23° 7	10°42	10°19	10°16	10°54	14°53	25°22	4°38	25°27	26°31	3°38	5°30	T 16
F 17	0 11 48	0°59'51	11♊50	24°24	11°53	10°50	10° 9	10°51	14°56	25°20	4°39	25°28	26°28	3°45	5°29	F 17
S 18	0 15 44	1°59'05	25°38	25°39	13° 3	11°22	10° 1	10°48	14°59	25°18	4°40	25°R29	26°25	3°51	5°28	S 18
S 19	0 19 41	2°58'22	9♋40	26°53	14°13	11°53	9°53	10°45	15° 2	25°17	4°41	25°29	26°22	3°58	5°27	S 19
M20	0 23 37	3°57'41	23°56	28° 6	15°23	12°24	9°45	10°41	15° 5	25°15	4°42	25°28	26°18	4° 5	5°26	M20
T 21	0 27 34	4°57'03	8♌24	29°17	16°34	12°55	9°37	10°38	15° 8	25°13	4°43	25°26	26°15	4°12	5°25	T 21
W22	0 31 30	5°56'27	22°58	0♍26	17°44	13°26	9°28	10°34	15°10	25°12	4°44	25°24	26°12	4°18	5°24	W22
T 23	0 35 27	6°55'53	7♍33	1°33	18°54	13°57	9°20	10°31	15°13	25°10	4°45	25°21	26° 9	4°25	5°22	T 23
F 24	0 39 23	7°55'21	22° 4	2°38	20° 4	14°27	9°12	10°27	15°15	25° 8	4°46	25°19	26° 6	4°32	5°21	F 24
S 25	0 43 20	8°54'52	6♎25	3°41	21°14	14°57	9° 4	10°23	15°18	25° 7	4°47	25°17	26° 3	4°38	5°20	S 25
S 26	0 47 17	9°54'24	20°28	4°41	22°23	15°27	8°56	10°20	15°21	25° 5	4°48	25°D17	25°59	4°45	5°18	S 26
M27	0 51 13	10°53'59	4♏12	5°38	23°33	15°56	8°48	10°16	15°23	25° 4	4°49	25°17	25°56	4°52	5°17	M27
T 28	0 55 10	11°53'35	17°34	6°32	24°43	16°25	8°40	10°12	15°26	25° 2	4°50	25°18	25°53	4°59	5°15	T 28
W29	0 59 6	12°53'14	0♐33	7°23	25°52	16°55	8°32	10° 8	15°28	25° 0	4°51	25°19	25°50	5° 5	5°14	W29
T 30	1 3 3	13♎52'54	13♐12	8♏11	27♏ 2	17♋23	8♈24	10♉ 4	15♌30	24♓59	4♌52	25♈20	25♈47	5♒12	5♊12	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n50	20s46	2s19	0s41	0s 3	9s20	0s24	23n50	0n18	3n17	1s39	12n56	2s32	17n18	0n39	3s 4	1s31	26n 0	6n57	10n 5	10n34	24s48	17n58	3s24
T 2	5 27	24 30	3 17	1 25	0 10	9 50	0 27	23 51	0 20	3 14	1 39	12 55	2 32	17 17	0 39	3 5	1 31	26 0	6 57	10 6	10 33	24 47	17 58	3 25
F 3	5 4	27 0	4 3	2 9	0 17	10 20	0 31	23 51	0 21	3 11	1 39	12 55	2 32	17 16	0 39	3 6	1 31	26 0	6 57	10 6	10 31	24 45	17 58	3 25
S 4	4 41	28 11	4 38	2 52	0 25	10 49	0 34	23 51	0 22	3 9	1 39	12 54	2 33	17 15	0 39	3 6	1 31	26 0	6 57	10 6	10 30	24 43	17 57	3 25
S 5	4 18	28 2	5 1	3 34	0 32	11 18	0 38	23 52	0 23	3 6	1 40	12 53	2 33	17 14	0 39	3 7	1 31	25 59	6 57	10 5	10 29	24 42	17 57	3 26
M 6	3 54	26 36	5 10	4 17	0 40	11 47	0 42	23 52	0 24	3 3	1 40	12 52	2 33	17 13	0 39	3 8	1 31	25 59	6 58	10 4	10 28	24 40	17 57	3 26
T 7	3 31	23 58	5 6	4 58	0 47	12 16	0 45	23 51	0 25	3 0	1 40	12 51	2 33	17 12	0 39	3 8	1 31	25 59	6 58	10 2	10 27	24 38	17 56	3 26
W 8	3 8	20 19	4 49	5 40	0 55	12 44	0 49	23 51	0 27	2 57	1 40	12 51	2 33	17 11	0 39	3 9	1 31	25 59	6 58	9 59	10 26	24 37	17 56	3 27
T 9	2 45	15 49	4 19	6 20	1 2	13 12	0 53	23 51	0 28	2 54	1 40	12 50	2 34	17 10	0 39	3 10	1 31	25 59	6 58	9 57	10 25	24 35	17 56	3 27
F 10	2 21	10 38	3 37	7 0	1 10	13 40	0 56	23 50	0 29	2 51	1 40	12 49	2 34	17 9	0 39	3 10	1 31	25 59	6 59	9 55	10 23	24 33	17 55	3 27
S 11	1 58	4 59	2 44	7 40	1 17	14 7	1 0	23 50	0 30	2 48	1 40	12 48	2 34	17 8	0 39	3 11	1 31	25 59	6 59	9 54	10 22	24 32	17 55	3 28
S 12	1 34	0n56	1 43	8 18	1 25	14 34	1 3	23 49	0 32	2 45	1 40	12 47	2 34	17 8	0 39	3 12	1 31	25 59	6 59	9 53	10 21	24 30	17 54	3 28
M13	1 11	6 56	0 35	8 57	1 32	15 1	1 7	23 48	0 33	2 42	1 40	12 46	2 34	17 7	0 40	3 12	1 31	25 59	6 59	9 52	10 20	24 28	17 54	3 28
T 14	0 47	12 44	0n35	9 34	1 39	15 28	1 11	23 47	0 34	2 39	1 40	12 45	2 35	17 6	0 40	3 13	1 31	25 58	6 59	9 52	10 19	24 27	17 54	3 29
W15	0 23	18 4	1 45	10 11	1 46	15 54	1 14	23 46	0 36	2 36	1 40	12 44	2 35	17 5	0 40	3 14	1 31	25 58	7 0	9 52	10 18	24 25	17 53	3 29
T 16	0s 0	22 38	2 51	10 46	1 53	16 20	1 18	23 45	0 37	2 33	1 40	12 43	2 35	17 4	0 40	3 14	1 31	25 58	7 0	9 53	10 16	24 23	17 53	3 29
F 17	0 24	26 4	3 48	11 21	2 0	16 45	1 21	23 44	0 38	2 30	1 41	12 41	2 35	17 3	0 40	3 15	1 31	25 58	7 0	9 54	10 15	24 21	17 52	3 30
S 18	0 48	28 1	4 33	11 56	2 7	17 10	1 25	23 43	0 39	2 26	1 41	12 40	2 35	17 3	0 40	3 16	1 31	25 58	7 0	9 54	10 14	24 20	17 52	3 30
S 19	1 11	28 13	5 3	12 29	2 13	17 35	1 29	23 41	0 41	2 23	1 41	12 39	2 35	17 2	0 40	3 16	1 31	25 58	7 1	9 54	10 13	24 18	17 51	3 30
M20	1 35	26 34	5 14	13 1	2 20	17 59	1 32	23 40	0 42	2 20	1 41	12 38	2 35	17 1	0 40	3 17	1 31	25 58	7 1	9 53	10 12	24 16	17 51	3 31
T 21	1 59	23 10	5 7	13 32	2 26	18 23	1 36	23 38	0 44	2 17	1 41	12 37	2 36	17 0	0 40	3 18	1 31	25 58	7 1	9 53	10 11	24 14	17 50	3 31
W22	2 22	18 19	4 39	14 2	2 32	18 47	1 39	23 36	0 45	2 14	1 41	12 36	2 36	16 59	0 40	3 18	1 31	25 58	7 1	9 52	10 10	24 13	17 50	3 31
T 23	2 46	12 23	3 54	14 31	2 37	19 10	1 43	23 35	0 46	2 11	1 41	12 34	2 36	16 59	0 40	3 19	1 31	25 58	7 2	9 51	10 8	24 11	17 49	3 32
F 24	3 9	5 48	2 53	14 59	2 42	19 32	1 46	23 33	0 48	2 7	1 41	12 33	2 36	16 58	0 40	3 20	1 31	25 58	7 2	9 50	10 7	24 9	17 49	3 32
S 25	3 33	0s59	1 42	15 25	2 47	19 54	1 49	23 31	0 49	2 4	1 41	12 32	2 36	16 57	0 40	3 20	1 31	25 58	7 2	9 50	10 6	24 7	17 48	3 32
S 26	3 56	7 37	0 27	15 50	2 52	20 16	1 53	23 29	0 51	2 1	1 41	12 31	2 36	16 56	0 40	3 21	1 31	25 58	7 2	9 49	10 5	24 5	17 47	3 33
M27	4 20	13 45	0s49	16 13	2 56	20 37	1 56	23 27	0 52	1 58	1 41	12 29	2 36	16 56	0 40	3 21	1 31	25 58	7 2	9 49	10 4	24 4	17 47	3 33
T 28	4 43	19 4	2 0	16 35	3 0	20 58	2 0	23 25	0 53	1 55	1 40	12 28	2 37	16 55	0 40	3 22	1 31	25 58	7 3	9 50	10 3	24 2	17 46	3 33
W29	5 7	23 20	3 3	16 55	3 3	21 18	2 3	23 23	0 55	1 52	1 40	12 27	2 37	16 54	0 40	3 23	1 31	25 58	7 3	9 50	10 1	24 0	17 46	3 34
T 30	5s30	26s22	3s55	17s13	3s 5	21s37	2s 6	23n20	0n56	1n48	1s40	12n25	2s37	16n54	0n40	3s23	1s31	25n58	7n 3	9n50	10n 0	23s58	17n45	3s34

Julian Day Number = 2161062.5, Delta T = 13m12s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'01, Lahiri = 12°46'01 Julian Calendar 1 Sept. 1204 == Greg. Calendar 8 Sept. 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

OCTOBER 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 6 59	14♎52'36	25♐33	8♏54	28♏11	17♋52	8°R16	10°R 0	15♌33	24°R57	4♌53	25♈21	25♈44	5♒19	5°R10	F 1
S 2	1 10 56	15°52'20	7♑40	9°32	29°20	18°20	8♈ 8	9♉55	15°35	24♓56	4°53	25°21	25°40	5°25	5♊ 8	S 2
S 3	1 14 52	16°52'06	19°38	10° 6	0♐30	18°48	8° 0	9°51	15°37	24°54	4°54	25°R21	25°37	5°32	5° 6	S 3
M 4	1 18 49	17°51'53	1♒32	10°34	1°39	19°16	7°52	9°47	15°39	24°53	4°55	25°21	25°34	5°39	5° 5	M 4
T 5	1 22 46	18°51'43	13°25	10°57	2°48	19°43	7°44	9°43	15°42	24°51	4°56	25°20	25°31	5°46	5° 2	T 5
W 6	1 26 42	19°51'34	25°22	11°12	3°56	20°11	7°36	9°38	15°44	24°50	4°56	25°20	25°28	5°52	5° 0	W 6
T 7	1 30 39	20°51'26	7♓28	11°21	5° 5	20°38	7°29	9°34	15°46	24°48	4°57	25°19	25°24	5°59	4°58	T 7
F 8	1 34 35	21°51'20	19°45	11°R21	6°14	21° 4	7°21	9°29	15°48	24°47	4°57	25°19	25°21	6° 6	4°56	F 8
S 9	1 38 32	22°51'17	2♈16	11°14	7°22	21°31	7°14	9°25	15°50	24°45	4°58	25°18	25°18	6°13	4°54	S 9
S 10	1 42 28	23°51'15	15° 1	10°57	8°31	21°57	7° 6	9°20	15°52	24°44	4°59	25°18	25°15	6°19	4°52	S 10
M11	1 46 25	24°51'14	28° 3	10°31	9°39	22°22	6°59	9°15	15°54	24°43	4°59	25°18	25°12	6°26	4°49	M11
T 12	1 50 21	25°51'16	11♉20	9°56	10°47	22°48	6°51	9°11	15°55	24°41	5° 0	25°18	25° 9	6°33	4°47	T 12
W13	1 54 18	26°51'20	24°51	9°12	11°55	23°13	6°44	9° 6	15°57	24°40	5° 0	25°18	25° 5	6°39	4°44	W13
T 14	1 58 15	27°51'26	8♊35	8°18	13° 3	23°38	6°37	9° 1	15°59	24°39	5° 1	25°18	25° 2	6°46	4°42	T 14
F 15	2 2 11	28°51'34	22°29	7°16	14°10	24° 2	6°30	8°56	16° 1	24°37	5° 1	25°17	24°59	6°53	4°39	F 15
S 16	2 6 8	29°51'45	6♋31	6° 7	15°18	24°26	6°24	8°52	16° 2	24°36	5° 1	25°17	24°56	7° 0	4°37	S 16
S 17	2 10 4	0♏51'57	20°38	4°53	16°25	24°50	6°17	8°47	16° 4	24°35	5° 2	25°17	24°53	7° 6	4°34	S 17
M18	2 14 1	1°52'11	4♌50	3°35	17°32	25°13	6°10	8°42	16° 5	24°33	5° 2	25°D17	24°50	7°13	4°31	M18
T 19	2 17 57	2°52'28	19° 2	2°16	18°39	25°36	6° 4	8°37	16° 7	24°32	5° 3	25°17	24°46	7°20	4°28	T 19
W20	2 21 54	3°52'46	3♍14	0°58	19°46	25°59	5°58	8°32	16° 8	24°31	5° 3	25°17	24°43	7°26	4°26	W20
T 21	2 25 50	4°53'07	17°21	29♎44	20°53	26°21	5°51	8°27	16°10	24°30	5° 3	25°18	24°40	7°33	4°23	T 21
F 22	2 29 47	5°53'29	1♎23	28°36	22° 0	26°43	5°45	8°23	16°11	24°29	5° 3	25°19	24°37	7°40	4°20	F 22
S 23	2 33 44	6°53'54	15°15	27°37	23° 6	27° 5	5°39	8°18	16°12	24°27	5° 4	25°20	24°34	7°47	4°17	S 23
S 24	2 37 40	7°54'20	28°56	26°47	24°12	27°26	5°34	8°13	16°13	24°26	5° 4	25°R20	24°30	7°53	4°14	S 24
M25	2 41 37	8°54'48	12♏22	26° 9	25°18	27°46	5°28	8° 8	16°15	24°25	5° 4	25°19	24°27	8° 0	4°11	M25
T 26	2 45 33	9°55'18	25°32	25°42	26°24	28° 6	5°23	8° 3	16°16	24°24	5° 4	25°18	24°24	8° 7	4° 8	T 26
W27	2 49 30	10°55'49	8♐25	25°26	27°30	28°26	5°18	7°58	16°17	24°23	5° 4	25°16	24°21	8°14	4° 5	W27
T 28	2 53 26	11°56'21	21° 1	25°D22	28°35	28°46	5°13	7°53	16°18	24°22	5° 4	25°13	24°18	8°20	4° 2	T 28
F 29	2 57 23	12°56'56	3♑21	25°30	29°40	29° 4	5° 8	7°48	16°19	24°21	5° 4	25°11	24°15	8°27	3°58	F 29
S 30	3 1 19	13°57'31	15°29	25°47	0♑45	29°23	5° 3	7°43	16°20	24°20	5°R 4	25° 8	24°11	8°34	3°55	S 30
S 31	3 5 16	14♏58'08	27♑28	26♎14	1♑50	29♋41	4♈58	7♉39	16♌20	24♓19	5♌ 4	25♈ 6	24♈ 8	8♒40	3♊52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s53	28s 3	4s35	17s29	3s 7	21s56	2s 9	23n18	0n58	1n45	1s40	12n24	2s37	16n53	0n40	3s24	1s31	25n58	7n 4	9n51	9n59	23s56	17n45	3s34
S 2	6 16	28 20	5 2	17 42	3 8	22 15	2 12	23 16	0 59	1 42	1 40	12 22	2 37	16 52	0 40	3 25	1 31	25 58	7 4	9 51	9 58	23 55	17 44	3 35
S 3	6 39	27 18	5 15	17 54	3 9	22 33	2 15	23 13	1 1	1 39	1 40	12 21	2 37	16 52	0 40	3 25	1 31	25 58	7 4	9 51	9 57	23 53	17 43	3 35
M 4	7 2	25 1	5 15	18 2	3 8	22 50	2 18	23 11	1 2	1 36	1 40	12 20	2 37	16 51	0 40	3 26	1 31	25 58	7 4	9 51	9 56	23 51	17 43	3 35
T 5	7 25	21 40	5 1	18 8	3 7	23 7	2 21	23 9	1 4	1 33	1 40	12 18	2 37	16 51	0 40	3 26	1 31	25 58	7 5	9 51	9 54	23 49	17 42	3 36
W 6	7 48	17 25	4 34	18 10	3 4	23 23	2 24	23 6	1 6	1 30	1 40	12 17	2 37	16 50	0 40	3 27	1 31	25 58	7 5	9 50	9 53	23 47	17 41	3 36
T 7	8 11	12 26	3 55	18 9	3 0	23 39	2 27	23 4	1 7	1 27	1 40	12 15	2 37	16 49	0 40	3 27	1 31	25 59	7 5	9 50	9 52	23 45	17 41	3 36
F 8	8 33	6 54	3 5	18 5	2 55	23 54	2 30	23 1	1 9	1 24	1 40	12 14	2 37	16 49	0 40	3 28	1 31	25 59	7 5	9 50	9 51	23 43	17 40	3 36
S 9	8 56	1 0	2 4	17 56	2 49	24 8	2 32	22 59	1 10	1 22	1 39	12 12	2 37	16 48	0 40	3 29	1 31	25 59	7 6	9 50	9 50	23 41	17 39	3 37
S 10	9 18	5n 4	0 57	17 43	2 41	24 22	2 35	22 56	1 12	1 19	1 39	12 11	2 37	16 48	0 40	3 29	1 31	25 59	7 6	9 50	9 49	23 40	17 39	3 37
M11	9 40	11 4	0n15	17 26	2 31	24 35	2 37	22 53	1 14	1 16	1 39	12 9	2 37	16 47	0 40	3 30	1 31	25 59	7 6	9 50	9 47	23 38	17 38	3 37
T 12	10 2	16 41	1 28	17 4	2 19	24 48	2 40	22 51	1 15	1 13	1 39	12 8	2 37	16 47	0 41	3 30	1 30	25 59	7 6	9 50	9 46	23 36	17 37	3 38
W13	10 24	21 36	2 37	16 37	2 6	25 0	2 42	22 48	1 17	1 10	1 39	12 6	2 38	16 46	0 41	3 31	1 30	25 59	7 7	9 50	9 45	23 34	17 36	3 38
T 14	10 45	25 25	3 38	16 5	1 51	25 11	2 45	22 46	1 19	1 8	1 39	12 5	2 38	16 46	0 41	3 31	1 30	25 59	7 7	9 50	9 44	23 32	17 36	3 38
F 15	11 7	27 46	4 26	15 29	1 35	25 22	2 47	22 43	1 21	1 5	1 39	12 3	2 38	16 45	0 41	3 32	1 30	26 0	7 7	9 50	9 43	23 30	17 35	3 38
S 16	11 28	28 23	5 0	14 49	1 16	25 32	2 49	22 41	1 22	1 3	1 38	12 2	2 38	16 45	0 41	3 32	1 30	26 0	7 7	9 49	9 42	23 28	17 34	3 39
S 17	11 50	27 9	5 16	14 6	0 57	25 41	2 51	22 38	1 24	1 0	1 38	12 0	2 38	16 44	0 41	3 33	1 30	26 0	7 8	9 49	9 40	23 26	17 34	3 39
M18	12 11	24 11	5 12	13 21	0 37	25 49	2 53	22 36	1 26	0 58	1 38	11 59	2 38	16 44	0 41	3 33	1 30	26 0	7 8	9 49	9 39	23 24	17 33	3 39
T 19	12 31	19 46	4 50	12 34	0 16	25 57	2 55	22 33	1 28	0 55	1 38	11 57	2 38	16 44	0 41	3 34	1 30	26 0	7 8	9 49	9 38	23 22	17 32	3 39
W20	12 52	14 15	4 10	11 47	0n 5	26 5	2 56	22 31	1 30	0 53	1 38	11 55	2 38	16 43	0 41	3 34	1 30	26 0	7 9	9 50	9 37	23 20	17 31	3 40
T 21	13 12	8 0	3 15	11 2	0 25	26 11	2 58	22 28	1 31	0 51	1 37	11 54	2 38	16 43	0 41	3 35	1 30	26 1	7 9	9 50	9 36	23 18	17 31	3 40
F 22	13 33	1 25	2 9	10 20	0 44	26 17	2 59	22 26	1 33	0 49	1 37	11 52	2 38	16 42	0 41	3 35	1 30	26 1	7 9	9 50	9 35	23 16	17 30	3 40
S 23	13 53	5s11	0 55	9 42	1 2	26 22	3 1	22 23	1 35	0 47	1 37	11 51	2 37	16 42	0 41	3 35	1 30	26 1	7 9	9 50	9 33	23 14	17 29	3 40
S 24	14 12	11 27	0s20	9 9	1 18	26 27	3 2	22 21	1 37	0 44	1 37	11 49	2 37	16 42	0 41	3 36	1 30	26 1	7 10	9 50	9 32	23 12	17 28	3 41
M25	14 32	17 5	1 33	8 41	1 33	26 31	3 3	22 19	1 39	0 42	1 36	11 48	2 37	16 41	0 41	3 36	1 30	26 1	7 10	9 50	9 31	23 10	17 27	3 41
T 26	14 51	21 48	2 39	8 20	1 46	26 34	3 4	22 17	1 41	0 41	1 36	11 46	2 37	16 41	0 41	3 37	1 30	26 2	7 10	9 50	9 30	23 8	17 27	3 41
W27	15 10	25 21	3 36	8 4	1 57	26 36	3 5	22 15	1 43	0 39	1 36	11 45	2 37	16 41	0 41	3 37	1 30	26 2	7 10	9 49	9 29	23 6	17 26	3 41
T 28	15 29	27 34	4 21	7 54	2 6	26 38	3 6	22 13	1 45	0 37	1 36	11 43	2 37	16 41	0 41	3 37	1 30	26 2	7 11	9 48	9 28	23 4	17 25	3 41
F 29	15 48	28 22	4 52	7 50	2 13	26 39	3 7	22 11	1 47	0 35	1 35	11 42	2 37	16 40	0 41	3 38	1 30	26 2	7 11	9 47	9 26	23 2	17 24	3 42
S 30	16 6	27 47	5 10	7 52	2 18	26 40	3 7	22 9	1 49	0 34	1 35	11 40	2 37	16 40	0 41	3 38	1 30	26 3	7 11	9 46	9 25	23 0	17 24	3 42
S 31	16s24	25s54	5s15	7s58	2n22	26s40	3s 8	22n 7	1n51	0n32	1s35	11n39	2s37	16n40	0n41	3s38	1s30	26n 3	7n12	9n45	9n24	22s58	17n23	3s42

Julian Day Number = 2161092.5, Delta T = 13m12s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'05, Lahiri = 12°46'06 Julian Calendar 1 Oct. 1204 == Greg. Calendar 8 Oct. 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

NOVEMBER 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 9 13	15♏58'46	9♒21	26♎50	2♉54	29♋58	4°R54	7°R34	16♌21	24°R18	5°R 4	25°R 5	24♈ 5	8♒47	3°R49	M 1
T 2	3 13 9	16°59'25	21°13	27°33	3°58	0♌15	4♈50	7♉29	16°22	24♓18	5♌ 4	25°D 5	24° 2	8°54	3♊46	T 2
W 3	3 17 6	18° 0'05	3♓ 9	28°23	5° 2	0°32	4°46	7°24	16°23	24°17	5° 4	25♈ 6	23°59	9° 1	3°42	W 3
T 4	3 21 2	19° 0'47	15°15	29°19	6° 6	0°48	4°42	7°20	16°23	24°16	5° 4	25° 7	23°56	9° 7	3°39	T 4
F 5	3 24 59	20° 1'29	27°33	0♏20	7° 9	1° 3	4°39	7°15	16°24	24°15	5° 4	25° 9	23°52	9°14	3°36	F 5
S 6	3 28 55	21° 2'13	10♈ 9	1°26	8°12	1°18	4°35	7°10	16°24	24°14	5° 3	25°11	23°49	9°21	3°32	S 6
S 7	3 32 52	22° 2'58	23° 5	2°36	9°15	1°32	4°32	7° 5	16°25	24°14	5° 3	25°R11	23°46	9°27	3°29	S 7
M 8	3 36 48	23° 3'44	6♉23	3°49	10°17	1°46	4°29	7° 1	16°25	24°13	5° 3	25°11	23°43	9°34	3°25	M 8
T 9	3 40 45	24° 4'31	20° 2	5° 5	11°19	2° 0	4°26	6°56	16°26	24°12	5° 3	25° 9	23°40	9°41	3°22	T 9
W10	3 44 42	25° 5'20	4♊ 0	6°24	12°21	2°12	4°24	6°52	16°26	24°12	5° 2	25° 6	23°36	9°48	3°18	W10
T 11	3 48 38	26° 6'10	18°14	7°45	13°22	2°24	4°21	6°47	16°26	24°11	5° 2	25° 1	23°33	9°54	3°15	T 11
F 12	3 52 35	27° 7'01	2♋37	9° 7	14°23	2°36	4°19	6°43	16°26	24°11	5° 2	24°56	23°30	10° 1	3°11	F 12
S 13	3 56 31	28° 7'54	17° 5	10°32	15°24	2°47	4°17	6°38	16°26	24°10	5° 1	24°51	23°27	10° 8	3° 8	S 13
S 14	4 0 28	29° 8'48	1♌31	11°57	16°24	2°57	4°15	6°34	16°26	24°10	5° 1	24°47	23°24	10°14	3° 4	S 14
M15	4 4 24	0♐ 9'43	15°51	13°23	17°24	3° 7	4°14	6°30	16°R26	24° 9	5° 1	24°45	23°21	10°21	3° 1	M15
T 16	4 8 21	1°10'39	0♍ 3	14°51	18°23	3°16	4°12	6°26	16°26	24° 9	5° 0	24°D44	23°17	10°28	2°57	T 16
W17	4 12 17	2°11'37	14° 3	16°19	19°22	3°24	4°11	6°21	16°26	24° 8	5° 0	24°45	23°14	10°35	2°54	W17
T 18	4 16 14	3°12'36	27°51	17°48	20°20	3°32	4°10	6°17	16°26	24° 8	4°59	24°46	23°11	10°41	2°50	T 18
F 19	4 20 11	4°13'36	11♎28	19°18	21°18	3°39	4°10	6°13	16°26	24° 8	4°59	24°47	23° 8	10°48	2°47	F 19
S 20	4 24 7	5°14'38	24°53	20°48	22°15	3°45	4° 9	6° 9	16°26	24° 7	4°58	24°R48	23° 5	10°55	2°43	S 20
S 21	4 28 4	6°15'41	8♏ 7	22°18	23°12	3°50	4° 9	6° 5	16°25	24° 7	4°57	24°47	23° 1	11° 1	2°40	S 21
M22	4 32 0	7°16'44	21°10	23°49	24° 8	3°55	4°D 9	6° 2	16°25	24° 7	4°57	24°44	22°58	11° 8	2°36	M22
T 23	4 35 57	8°17'49	4♐ 1	25°20	25° 4	3°59	4° 9	5°58	16°24	24° 7	4°56	24°39	22°55	11°15	2°33	T 23
W24	4 39 53	9°18'54	16°40	26°51	25°59	4° 3	4° 9	5°54	16°24	24° 6	4°55	24°32	22°52	11°22	2°29	W24
T 25	4 43 50	10°20'00	29° 7	28°23	26°54	4° 5	4° 9	5°51	16°23	24° 6	4°55	24°23	22°49	11°28	2°26	T 25
F 26	4 47 46	11°21'07	11♑22	29°55	27°48	4° 7	4°10	5°47	16°23	24° 6	4°54	24°14	22°46	11°35	2°22	F 26
S 27	4 51 43	12°22'14	23°27	1♐27	28°41	4° 8	4°11	5°44	16°22	24° 6	4°53	24° 4	22°42	11°42	2°19	S 27
S 28	4 55 40	13°23'22	5♒24	2°59	29°34	4°R 9	4°12	5°40	16°21	24°D 6	4°53	23°57	22°39	11°49	2°16	S 28
M29	4 59 36	14°24'30	17°16	4°31	0♒25	4° 8	4°14	5°37	16°21	24° 6	4°52	23°50	22°36	11°55	2°12	M29
T 30	5 3 33	15♐25'38	29♒ 6	6♐ 4	1♒17	4♌ 7	4♈15	5♉34	16♌20	24♓ 6	4♌51	23♈47	22♈33	12♒ 2	2♊ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s42	22s53	5s 5	8s 9	2n24	26s39	3s 8	22n 5	1n53	0n31	1s35	11n37	2s37	16n40	0n41	3s39	1s30	26n 3	7n12	9n45	9n23	22s56	17n22	3s42
T 2	16 59	18 57	4 43	8 23	2 25	26 37	3 8	22 4	1 55	0 29	1 34	11 36	2 37	16 40	0 41	3 39	1 30	26 4	7 12	9 45	9 22	22 54	17 21	3 42
W 3	17 16	14 15	4 8	8 41	2 25	26 35	3 8	22 2	1 57	0 28	1 34	11 34	2 37	16 39	0 41	3 39	1 30	26 4	7 12	9 45	9 21	22 52	17 20	3 43
T 4	17 33	8 56	3 22	9 2	2 24	26 32	3 8	22 1	2 0	0 27	1 34	11 33	2 37	16 39	0 41	3 40	1 30	26 4	7 13	9 46	9 19	22 50	17 20	3 43
F 5	17 50	3 12	2 26	9 26	2 21	26 28	3 8	21 59	2 2	0 25	1 34	11 32	2 36	16 39	0 42	3 40	1 30	26 4	7 13	9 47	9 18	22 48	17 19	3 43
S 6	18 6	2n47	1 22	9 52	2 19	26 24	3 7	21 58	2 4	0 24	1 33	11 30	2 36	16 39	0 42	3 40	1 30	26 5	7 13	9 47	9 17	22 46	17 18	3 43
S 7	18 22	8 50	0 12	10 19	2 15	26 19	3 6	21 57	2 6	0 23	1 33	11 29	2 36	16 39	0 42	3 40	1 30	26 5	7 13	9 47	9 16	22 44	17 17	3 43
M 8	18 37	14 40	1n 1	10 48	2 11	26 14	3 6	21 56	2 8	0 22	1 33	11 27	2 36	16 39	0 42	3 41	1 30	26 5	7 14	9 47	9 15	22 42	17 16	3 43
T 9	18 52	19 57	2 12	11 18	2 6	26 8	3 5	21 56	2 11	0 21	1 32	11 26	2 36	16 39	0 42	3 41	1 30	26 6	7 14	9 46	9 13	22 40	17 16	3 44
W10	19 7	24 15	3 16	11 49	2 1	26 1	3 4	21 55	2 13	0 21	1 32	11 25	2 36	16 39	0 42	3 41	1 30	26 6	7 14	9 45	9 12	22 38	17 15	3 44
T 11	19 22	27 10	4 10	12 21	1 55	25 54	3 2	21 54	2 15	0 20	1 32	11 23	2 36	16 39	0 42	3 41	1 30	26 6	7 15	9 44	9 11	22 36	17 14	3 44
F 12	19 36	28 19	4 48	12 53	1 49	25 46	3 1	21 54	2 18	0 19	1 32	11 22	2 36	16 39	0 42	3 42	1 30	26 7	7 15	9 42	9 10	22 34	17 13	3 44
S 13	19 50	27 33	5 8	13 25	1 43	25 37	2 59	21 54	2 20	0 19	1 31	11 21	2 35	16 39	0 42	3 42	1 29	26 7	7 15	9 40	9 9	22 31	17 12	3 44
S 14	20 3	24 56	5 9	13 58	1 36	25 28	2 57	21 54	2 22	0 18	1 31	11 19	2 35	16 39	0 42	3 42	1 29	26 7	7 15	9 39	9 8	22 29	17 12	3 44
M15	20 16	20 46	4 51	14 30	1 30	25 18	2 55	21 54	2 25	0 18	1 31	11 18	2 35	16 39	0 42	3 42	1 29	26 8	7 16	9 38	9 6	22 27	17 11	3 44
T 16	20 29	15 28	4 14	15 3	1 23	25 8	2 53	21 54	2 27	0 18	1 30	11 17	2 35	16 39	0 42	3 42	1 29	26 8	7 16	9 37	9 5	22 25	17 10	3 45
W17	20 41	9 26	3 23	15 35	1 16	24 58	2 51	21 54	2 30	0 18	1 30	11 16	2 35	16 39	0 42	3 42	1 29	26 9	7 16	9 37	9 4	22 23	17 9	3 45
T 18	20 53	3 1	2 21	16 7	1 9	24 46	2 48	21 55	2 32	0 18	1 30	11 15	2 35	16 39	0 42	3 42	1 29	26 9	7 16	9 38	9 3	22 21	17 9	3 45
F 19	21 5	3s27	1 12	16 38	1 2	24 35	2 46	21 56	2 35	0 18	1 29	11 14	2 34	16 39	0 42	3 42	1 29	26 9	7 17	9 39	9 2	22 19	17 8	3 45
S 20	21 16	9 41	0s 0	17 9	0 54	24 22	2 43	21 57	2 37	0 18	1 29	11 12	2 34	16 39	0 42	3 43	1 29	26 10	7 17	9 39	9 1	22 17	17 7	3 45
S 21	21 27	15 24	1 12	17 40	0 47	24 10	2 39	21 58	2 40	0 18	1 29	11 11	2 34	16 39	0 42	3 43	1 29	26 10	7 17	9 38	8 59	22 14	17 6	3 45
M22	21 37	20 21	2 18	18 10	0 40	23 56	2 36	21 59	2 42	0 18	1 28	11 10	2 34	16 39	0 42	3 43	1 29	26 10	7 17	9 37	8 58	22 12	17 6	3 45
T 23	21 47	24 15	3 16	18 39	0 33	23 43	2 33	22 1	2 45	0 18	1 28	11 9	2 34	16 40	0 42	3 43	1 29	26 11	7 18	9 35	8 57	22 10	17 5	3 45
W24	21 57	26 54	4 3	19 7	0 26	23 29	2 29	22 2	2 47	0 19	1 28	11 8	2 33	16 40	0 42	3 43	1 29	26 11	7 18	9 33	8 56	22 8	17 4	3 45
T 25	22 6	28 10	4 38	19 35	0 18	23 14	2 25	22 4	2 50	0 19	1 28	11 7	2 33	16 40	0 42	3 43	1 29	26 12	7 18	9 30	8 55	22 6	17 3	3 45
F 26	22 14	28 1	4 59	20 2	0 11	22 59	2 20	22 6	2 53	0 20	1 27	11 6	2 33	16 40	0 42	3 43	1 29	26 12	7 18	9 26	8 53	22 4	17 3	3 45
S 27	22 23	26 32	5 7	20 28	0 4	22 44	2 16	22 9	2 55	0 21	1 27	11 5	2 33	16 41	0 42	3 43	1 29	26 13	7 19	9 23	8 52	22 1	17 2	3 46
S 28	22 30	23 51	5 1	20 53	0s 3	22 28	2 11	22 11	2 58	0 21	1 27	11 4	2 32	16 41	0 43	3 43	1 29	26 13	7 19	9 20	8 51	21 59	17 1	3 46
M29	22 38	20 12	4 42	21 18	0 10	22 12	2 6	22 14	3 1	0 22	1 26	11 4	2 32	16 41	0 43	3 43	1 29	26 13	7 19	9 18	8 50	21 57	17 0	3 46
T 30	22s45	15s45	4s11	21s41	0s16	21s56	2s 1	22n17	3n 3	0n23	1s26	11n 3	2s32	16n41	0n43	3s43	1s29	26n14	7n19	9n16	8n49	21s55	17n 0	3s46

Julian Day Number = 2161123.5, Delta T = 13m12s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'09, Lahiri = 12°46'10 Julian Calendar 1 Nov. 1204 == Greg. Calendar 8 Nov. 1204

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ASTRODIENST EPHEMERIS for the year 1204
geocentric

DECEMBER 1204 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 7 29	16♐26'47	10♓59	7♐37	2♒ 7	4°R 5	4♈17	5°R31	16°R19	24♓ 6	4°R50	23°R45	22♈30	12♒ 9	2°R 5	W 1
T 2	5 11 26	17°27'56	23° 1	9°10	2°56	4♌ 2	4°19	5♉28	16♌18	24° 6	4♌49	23°D45	22°27	12°15	2♊ 2	T 2
F 3	5 15 22	18°29'05	5♈16	10°43	3°45	3°58	4°21	5°25	16°17	24° 7	4°48	23♈46	22°23	12°22	1°59	F 3
S 4	5 19 19	19°30'14	17°50	12°16	4°33	3°53	4°23	5°22	16°16	24° 7	4°47	23°R47	22°20	12°29	1°55	S 4
S 5	5 23 15	20°31'23	0♉47	13°50	5°20	3°48	4°26	5°19	16°15	24° 7	4°47	23°47	22°17	12°36	1°52	S 5
M 6	5 27 12	21°32'32	14°10	15°23	6° 5	3°42	4°29	5°17	16°14	24° 7	4°46	23°45	22°14	12°42	1°49	M 6
T 7	5 31 9	22°33'42	28° 0	16°57	6°50	3°35	4°32	5°14	16°12	24° 7	4°45	23°40	22°11	12°49	1°45	T 7
W 8	5 35 5	23°34'51	12♊16	18°32	7°34	3°27	4°35	5°12	16°11	24° 8	4°44	23°33	22° 8	12°56	1°42	W 8
T 9	5 39 2	24°36'01	26°54	20° 6	8°17	3°18	4°38	5°10	16°10	24° 8	4°43	23°24	22° 4	13° 2	1°39	T 9
F 10	5 42 58	25°37'11	11♋45	21°41	8°58	3° 9	4°42	5° 7	16° 9	24° 9	4°42	23°14	22° 1	13° 9	1°36	F 10
S 11	5 46 55	26°38'22	26°42	23°16	9°39	2°59	4°46	5° 5	16° 7	24° 9	4°41	23° 4	21°58	13°16	1°33	S 11
S 12	5 50 51	27°39'32	11♌35	24°51	10°18	2°48	4°50	5° 3	16° 6	24° 9	4°39	22°56	21°55	13°23	1°30	S 12
M13	5 54 48	28°40'43	26°16	26°27	10°56	2°36	4°54	5° 1	16° 4	24°10	4°38	22°49	21°52	13°29	1°27	M13
T 14	5 58 45	29°41'54	10♍39	28° 3	11°32	2°23	4°58	5° 0	16° 3	24°11	4°37	22°45	21°48	13°36	1°24	T 14
W15	6 2 41	0♎43'05	24°43	29°39	12° 7	2°10	5° 2	4°58	16° 1	24°11	4°36	22°44	21°45	13°43	1°21	W15
T 16	6 6 38	1°44'16	8♏27	1♎16	12°41	1°55	5° 7	4°56	16° 0	24°12	4°35	22°D44	21°42	13°49	1°18	T 16
F 17	6 10 34	2°45'28	21°51	2°53	13°13	1°40	5°12	4°55	15°58	24°12	4°34	22°R44	21°39	13°56	1°15	F 17
S 18	6 14 31	3°46'40	5♏ 0	4°31	13°44	1°25	5°17	4°53	15°56	24°13	4°33	22°43	21°36	14° 3	1°12	S 18
S 19	6 18 27	4°47'52	17°54	6° 9	14°13	1° 8	5°22	4°52	15°55	24°14	4°32	22°41	21°33	14°10	1° 9	S 19
M20	6 22 24	5°49'04	0♐36	7°47	14°41	0°51	5°28	4°51	15°53	24°14	4°30	22°35	21°29	14°16	1° 7	M20
T 21	6 26 20	6°50'16	13° 7	9°26	15° 7	0°33	5°33	4°50	15°51	24°15	4°29	22°27	21°26	14°23	1° 4	T 21
W22	6 30 17	7°51'28	25°30	11° 5	15°31	0°14	5°39	4°49	15°49	24°16	4°28	22°15	21°23	14°30	1° 1	W22
T 23	6 34 14	8°52'39	7♑44	12°44	15°53	29♋55	5°45	4°48	15°47	24°17	4°27	22° 2	21°20	14°36	0°59	T 23
F 24	6 38 10	9°53'50	19°51	14°24	16°13	29°35	5°51	4°48	15°45	24°18	4°25	21°47	21°17	14°43	0°56	F 24
S 25	6 42 7	10°55'01	1♒50	16° 5	16°31	29°15	5°58	4°47	15°43	24°19	4°24	21°32	21°14	14°50	0°54	S 25
S 26	6 46 3	11°56'11	13°44	17°45	16°47	28°54	6° 4	4°46	15°41	24°20	4°23	21°19	21°10	14°57	0°51	S 26
M27	6 50 0	12°57'20	25°34	19°26	17° 1	28°33	6°11	4°46	15°39	24°21	4°22	21° 9	21° 7	15° 3	0°49	M27
T 28	6 53 56	13°58'29	7♓23	21° 8	17°13	28°11	6°18	4°46	15°37	24°22	4°20	21° 1	21° 4	15°10	0°47	T 28
W29	6 57 53	14°59'37	19°15	22°50	17°22	27°48	6°25	4°46	15°35	24°23	4°19	20°56	21° 1	15°17	0°45	W29
T 30	7 1 49	16° 0'44	1♈13	24°32	17°30	27°26	6°32	4°D46	15°33	24°24	4°18	20°53	20°58	15°23	0°42	T 30
F 31	7 5 46	17♉ 1'50	13♈24	26♉14	17♒35	27♋ 3	6♈39	4♉46	15♌31	24♓25	4♌16	20♈53	20♈54	15♒30	0♊40	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s51	10s42	3s29	22s 3	0s23	21s39	1s56	22n20	3n 6	0n24	1s26	11n 2	2s32	16n42	0n43	3s42	1s29	26n14	7n20	9n15	8n47	21s53	16n59	3s46
T 2	22 57	5 11	2 37	22 25	0 30	21 22	1 50	22 23	3 9	0 25	1 25	11 1	2 31	16 42	0 43	3 42	1 29	26 15	7 20	9 15	8 46	21 50	16 58	3 46
F 3	23 3	0n37	1 38	22 45	0 36	21 5	1 44	22 27	3 11	0 26	1 25	11 1	2 31	16 42	0 43	3 42	1 29	26 15	7 20	9 16	8 45	21 48	16 58	3 46
S 4	23 8	6 32	0 32	23 4	0 42	20 48	1 38	22 30	3 14	0 27	1 25	11 0	2 31	16 43	0 43	3 42	1 29	26 16	7 20	9 16	8 44	21 46	16 57	3 46
S 5	23 12	12 23	0n37	23 22	0 49	20 30	1 31	22 34	3 17	0 29	1 24	10 59	2 31	16 43	0 43	3 42	1 29	26 16	7 20	9 16	8 43	21 44	16 56	3 46
M 6	23 16	17 51	1 47	23 39	0 55	20 12	1 25	22 38	3 19	0 30	1 24	10 59	2 30	16 43	0 43	3 42	1 28	26 16	7 21	9 15	8 42	21 41	16 56	3 46
T 7	23 20	22 36	2 52	23 54	1 0	19 54	1 18	22 42	3 22	0 32	1 24	10 58	2 30	16 44	0 43	3 42	1 28	26 17	7 21	9 14	8 40	21 39	16 55	3 46
W 8	23 23	26 8	3 49	24 9	1 6	19 36	1 10	22 47	3 25	0 33	1 23	10 57	2 30	16 44	0 43	3 42	1 28	26 17	7 21	9 11	8 39	21 37	16 54	3 46
T 9	23 26	28 2	4 32	24 22	1 11	19 17	1 3	22 52	3 27	0 35	1 23	10 57	2 30	16 45	0 43	3 41	1 28	26 18	7 21	9 8	8 38	21 35	16 54	3 46
F 10	23 28	27 57	4 57	24 34	1 17	18 59	0 55	22 56	3 30	0 36	1 23	10 56	2 29	16 45	0 43	3 41	1 28	26 18	7 22	9 4	8 37	21 32	16 53	3 46
S 11	23 30	25 51	5 2	24 44	1 22	18 40	0 47	23 1	3 32	0 38	1 23	10 56	2 29	16 45	0 43	3 41	1 28	26 19	7 22	9 0	8 36	21 30	16 53	3 46
S 12	23 31	21 59	4 47	24 53	1 27	18 21	0 39	23 6	3 35	0 40	1 22	10 56	2 29	16 46	0 43	3 41	1 28	26 19	7 22	8 57	8 34	21 28	16 52	3 46
M13	23 32	16 47	4 13	25 1	1 31	18 3	0 30	23 12	3 38	0 42	1 22	10 55	2 29	16 46	0 43	3 40	1 28	26 20	7 22	8 55	8 33	21 25	16 51	3 46
T 14	23 33	10 45	3 24	25 8	1 36	17 44	0 21	23 17	3 40	0 44	1 22	10 55	2 28	16 47	0 43	3 40	1 28	26 20	7 22	8 53	8 32	21 23	16 51	3 46
W15	23 33	4 18	2 23	25 13	1 40	17 25	0 12	23 23	3 43	0 46	1 21	10 55	2 28	16 47	0 43	3 40	1 28	26 21	7 23	8 53	8 31	21 21	16 50	3 46
T 16	23 32	2s13	1 15	25 16	1 44	17 6	0 2	23 28	3 45	0 48	1 21	10 54	2 28	16 48	0 43	3 40	1 28	26 21	7 23	8 53	8 30	21 19	16 50	3 46
F 17	23 31	8 29	0 5	25 18	1 47	16 48	0n 8	23 34	3 47	0 50	1 21	10 54	2 27	16 48	0 43	3 39	1 28	26 22	7 23	8 53	8 28	21 16	16 49	3 46
S 18	23 29	14 15	1s 5	25 19	1 51	16 29	0 18	23 40	3 50	0 53	1 20	10 54	2 27	16 49	0 43	3 39	1 28	26 22	7 23	8 53	8 27	21 14	16 49	3 45
S 19	23 27	19 18	2 9	25 18	1 54	16 11	0 29	23 46	3 52	0 55	1 20	10 54	2 27	16 50	0 43	3 39	1 28	26 23	7 23	8 52	8 26	21 12	16 48	3 45
M20	23 25	23 24	3 6	25 15	1 57	15 52	0 40	23 52	3 54	0 58	1 20	10 54	2 27	16 50	0 43	3 38	1 28	26 23	7 23	8 50	8 25	21 9	16 48	3 45
T 21	23 22	26 20	3 53	25 11	1 59	15 34	0 51	23 58	3 56	1 0	1 20	10 54	2 26	16 51	0 43	3 38	1 28	26 23	7 24	8 46	8 24	21 7	16 47	3 45
W22	23 19	27 56	4 28	25 5	2 1	15 16	1 2	24 4	3 59	1 3	1 19	10 54	2 26	16 51	0 43	3 38	1 28	26 24	7 24	8 42	8 22	21 5	16 47	3 45
T 23	23 15	28 9	4 51	24 58	2 3	14 58	1 14	24 10	4 1	1 5	1 19	10 54	2 26	16 52	0 43	3 37	1 28	26 24	7 24	8 37	8 21	21 2	16 46	3 45
F 24	23 10	27 0	4 59	24 49	2 4	14 41	1 26	24 17	4 3	1 8	1 19	10 54	2 25	16 53	0 43	3 37	1 28	26 25	7 24	8 31	8 20	21 0	16 46	3 45
S 25	23 6	24 37	4 55	24 38	2 5	14 23	1 39	24 23	4 5	1 11	1 18	10 54	2 25	16 53	0 43	3 37	1 28	26 25	7 24	8 26	8 19	20 58	16 45	3 45
S 26	23 0	21 12	4 37	24 26	2 6	14 6	1 51	24 29	4 6	1 14	1 18	10 54	2 25	16 54	0 44	3 36	1 28	26 26	7 24	8 21	8 18	20 55	16 45	3 45
M27	22 55	16 56	4 8	24 12	2 6	13 50	2 4	24 35	4 8	1 16	1 18	10 54	2 24	16 54	0 44	3 36	1 28	26 26	7 25	8 17	8 17	20 53	16 45	3 45
T 28	22 48	12 3	3 28	23 56	2 5	13 33	2 18	24 42	4 10	1 19	1 18	10 54	2 24	16 55	0 44	3 35	1 28	26 27	7 25	8 14	8 15	20 51	16 44	3 45
W29	22 42	6 42	2 39	23 39	2 4	13 18	2 31	24 48	4 11	1 22	1 17	10 54	2 24	16 56	0 44	3 35	1 27	26 27	7 25	8 12	8 14	20 48	16 44	3 45
T 30	22 35	1 4	1 42	23 20	2 3	13 2	2 45	24 54	4 13	1 26	1 17	10 55	2 24	16 56	0 44	3 34	1 27	26 28	7 25	8 11	8 13	20 46	16 44	3 45
F 31	22s27	4n42	0s39	22s59	2s 1	12s48	2n59	25n 0	4n14	1n29	1s17	10n55	2s23	16n57	0n44	3s34	1s27	26n28	7n25	8n11	8n12	20s43	16n43	3s44

Julian Day Number = 2161153.5, Delta T = 13m11s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'13, Lahiri = 12°46'14 Julian Calendar 1 Dec. 1204 == Greg. Calendar 8 Dec. 1204

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

JANUARY 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 43	18♑ 2'56	25♈52	27♑56	17°R37	26°R40	6♈46	4♉46	15°R28	24♓26	4°R15	20°R53	20♈51	15♒37	0°R38	S 1
S 2	7 13 39	19° 4'00	8♉43	29°39	17♒37	26♋16	6°54	4°46	15♎26	24°27	4♎14	20♈52	20°48	15°43	0♊36	S 2
M 3	7 17 36	20° 5'03	22° 0	1♒21	17°34	25°52	7° 2	4°47	15°24	24°28	4°12	20°50	20°45	15°50	0°34	M 3
T 4	7 21 32	21° 6'06	5♊48	3° 3	17°29	25°29	7°10	4°47	15°22	24°29	4°11	20°44	20°42	15°57	0°32	T 4
W 5	7 25 29	22° 7'07	20° 6	4°44	17°22	25° 5	7°18	4°48	15°19	24°31	4° 9	20°37	20°39	16° 4	0°31	W 5
T 6	7 29 25	23° 8'07	4♋52	6°25	17°12	24°41	7°26	4°49	15°17	24°32	4° 8	20°26	20°35	16°10	0°29	T 6
F 7	7 33 22	24° 9'07	19°57	8° 5	16°59	24°16	7°34	4°50	15°15	24°33	4° 7	20°15	20°32	16°17	0°27	F 7
S 8	7 37 19	25°10'05	5♎13	9°44	16°44	23°52	7°43	4°51	15°12	24°35	4° 5	20° 3	20°29	16°24	0°26	S 8
S 9	7 41 15	26°11'03	20°28	11°22	16°26	23°29	7°51	4°52	15°10	24°36	4° 4	19°53	20°26	16°30	0°24	S 9
M10	7 45 12	27°11'59	5♏32	12°58	16° 6	23° 5	8° 0	4°53	15° 7	24°37	4° 2	19°45	20°23	16°37	0°23	M10
T 11	7 49 8	28°12'55	20°15	14°31	15°44	22°41	8° 9	4°54	15° 5	24°39	4° 1	19°39	20°20	16°44	0°21	T 11
W12	7 53 5	29°13'50	4♐33	16° 2	15°19	22°18	8°18	4°56	15° 2	24°40	4° 0	19°37	20°16	16°51	0°20	W12
T 13	7 57 1	0♒14'44	18°25	17°29	14°52	21°54	8°27	4°57	15° 0	24°42	3°58	19°D36	20°13	16°57	0°19	T 13
F 14	8 0 58	1°15'37	1♑52	18°52	14°24	21°32	8°37	4°59	14°57	24°43	3°57	19°R36	20°10	17° 4	0°17	F 14
S 15	8 4 54	2°16'30	14°57	20°11	13°53	21° 9	8°46	5° 1	14°55	24°45	3°55	19°36	20° 7	17°11	0°16	S 15
S 16	8 8 51	3°17'21	27°42	21°25	13°21	20°47	8°56	5° 3	14°52	24°46	3°54	19°33	20° 4	17°17	0°15	S 16
M17	8 12 48	4°18'12	10♗13	22°32	12°47	20°25	9° 5	5° 5	14°50	24°48	3°52	19°28	20° 0	17°24	0°14	M17
T 18	8 16 44	5°19'02	22°31	23°33	12°13	20° 4	9°15	5° 7	14°47	24°50	3°51	19°20	19°57	17°31	0°13	T 18
W19	8 20 41	6°19'50	4♑41	24°26	11°37	19°43	9°25	5° 9	14°45	24°51	3°50	19°10	19°54	17°38	0°12	W19
T 20	8 24 37	7°20'38	16°44	25°11	11° 1	19°23	9°35	5°11	14°42	24°53	3°48	18°57	19°51	17°44	0°12	T 20
F 21	8 28 34	8°21'24	28°42	25°47	10°24	19° 3	9°45	5°14	14°39	24°54	3°47	18°43	19°48	17°51	0°11	F 21
S 22	8 32 30	9°22'09	10♒35	26°13	9°46	18°44	9°56	5°16	14°37	24°56	3°45	18°29	19°45	17°58	0°10	S 22
S 23	8 36 27	10°22'52	22°27	26°29	9° 9	18°25	10° 6	5°19	14°34	24°58	3°44	18°17	19°41	18° 4	0°10	S 23
M24	8 40 23	11°23'34	4♓17	26°R35	8°32	18° 7	10°16	5°22	14°32	25° 0	3°43	18° 6	19°38	18°11	0° 9	M24
T 25	8 44 20	12°24'15	16° 8	26°29	7°55	17°50	10°27	5°25	14°29	25° 1	3°41	17°59	19°35	18°18	0° 9	T 25
W26	8 48 17	13°24'53	28° 2	26°14	7°20	17°34	10°38	5°27	14°26	25° 3	3°40	17°54	19°32	18°25	0° 9	W26
T 27	8 52 13	14°25'30	10♈ 2	25°48	6°45	17°18	10°49	5°31	14°24	25° 5	3°38	17°52	19°29	18°31	0° 8	T 27
F 28	8 56 10	15°26'06	22°13	25°12	6°11	17° 3	11° 0	5°34	14°21	25° 7	3°37	17°D52	19°26	18°38	0° 8	F 28
S 29	9 0 6	16°26'39	4♉39	24°28	5°39	16°49	11°11	5°37	14°18	25° 9	3°36	17°52	19°22	18°45	0° 8	S 29
S 30	9 4 3	17°27'11	17°25	23°36	5° 8	16°35	11°22	5°40	14°16	25°11	3°34	17°R53	19°19	18°51	0°D 8	S 30
M31	9 7 59	18♒27'41	0♊35	22♒38	4♒40	16♋22	11♈33	5♉44	14♎13	25♓12	3♎33	17♈52	19♈16	18♒58	0♊ 8	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s19	10n27	0n26	22s36	1s59	12s33	3n13	25n 6	4n16	1n32	1s16	10n55	2s23	16n58	0n44	3s33	1s27	26n29	7n25	8n11	8n11	20s41	16n43	3s44
S 2	22 11	15 56	1 33	22 12	1 56	12 20	3 28	25 11	4 17	1 35	1 16	10 56	2 23	16 58	0 44	3 33	1 27	26 29	7 25	8 11	8 9	20 39	16 43	3 44
M 3	22 2	20 52	2 36	21 46	1 52	12 6	3 42	25 17	4 18	1 38	1 16	10 56	2 22	16 59	0 44	3 32	1 27	26 30	7 26	8 10	8 8	20 36	16 42	3 44
T 4	21 53	24 52	3 33	21 19	1 48	11 54	3 57	25 23	4 19	1 42	1 16	10 57	2 22	17 0	0 44	3 32	1 27	26 30	7 26	8 8	8 7	20 34	16 42	3 44
W 5	21 43	27 29	4 19	20 49	1 43	11 42	4 12	25 28	4 20	1 45	1 15	10 57	2 22	17 1	0 44	3 31	1 27	26 31	7 26	8 5	8 6	20 31	16 42	3 44
T 6	21 33	28 16	4 49	20 19	1 37	11 31	4 26	25 33	4 21	1 49	1 15	10 58	2 21	17 1	0 44	3 31	1 27	26 31	7 26	8 1	8 5	20 29	16 42	3 44
F 7	21 23	27 0	5 0	19 47	1 31	11 21	4 41	25 38	4 21	1 52	1 15	10 58	2 21	17 2	0 44	3 30	1 27	26 31	7 26	7 57	8 3	20 27	16 41	3 44
S 8	21 12	23 43	4 50	19 14	1 23	11 11	4 56	25 43	4 22	1 56	1 15	10 59	2 21	17 3	0 44	3 30	1 27	26 32	7 26	7 52	8 2	20 24	16 41	3 43
S 9	21 0	18 49	4 19	18 39	1 15	11 2	5 11	25 48	4 22	2 0	1 14	11 0	2 21	17 3	0 44	3 29	1 27	26 32	7 26	7 48	8 1	20 22	16 41	3 43
M10	20 49	12 47	3 30	18 4	1 7	10 54	5 25	25 52	4 23	2 3	1 14	11 0	2 20	17 4	0 44	3 29	1 27	26 33	7 26	7 45	8 0	20 19	16 41	3 43
T 11	20 37	6 9	2 28	17 28	0 57	10 47	5 39	25 57	4 23	2 7	1 14	11 1	2 20	17 5	0 44	3 28	1 27	26 33	7 27	7 43	7 59	20 17	16 41	3 43
W12	20 24	0s37	1 19	16 51	0 47	10 41	5 53	26 1	4 23	2 11	1 14	11 2	2 20	17 6	0 44	3 27	1 27	26 34	7 27	7 42	7 57	20 14	16 41	3 43
T 13	20 11	7 9	0 6	16 13	0 35	10 35	6 7	26 5	4 23	2 15	1 13	11 3	2 19	17 6	0 44	3 27	1 27	26 34	7 27	7 42	7 56	20 12	16 40	3 43
F 14	19 58	13 11	1s 4	15 36	0 23	10 31	6 20	26 8	4 23	2 19	1 13	11 3	2 19	17 7	0 44	3 26	1 27	26 35	7 27	7 42	7 55	20 9	16 40	3 43
S 15	19 44	18 27	2 10	14 59	0 10	10 27	6 33	26 12	4 23	2 22	1 13	11 4	2 19	17 8	0 44	3 25	1 27	26 35	7 27	7 42	7 54	20 7	16 40	3 43
S 16	19 30	22 46	3 7	14 22	0n 3	10 24	6 45	26 15	4 23	2 26	1 13	11 5	2 18	17 9	0 44	3 25	1 27	26 35	7 27	7 41	7 53	20 5	16 40	3 42
M17	19 16	25 56	3 54	13 47	0 18	10 22	6 57	26 18	4 22	2 31	1 12	11 6	2 18	17 10	0 44	3 24	1 27	26 36	7 27	7 39	7 51	20 2	16 40	3 42
T 18	19 1	27 48	4 29	13 12	0 33	10 21	7 8	26 21	4 22	2 35	1 12	11 7	2 18	17 10	0 44	3 23	1 27	26 36	7 27	7 36	7 50	20 0	16 40	3 42
W19	18 46	28 19	4 51	12 40	0 49	10 21	7 18	26 24	4 21	2 39	1 12	11 8	2 18	17 11	0 44	3 23	1 27	26 37	7 27	7 32	7 49	19 57	16 40	3 42
T 20	18 31	27 28	5 0	12 10	1 5	10 22	7 28	26 26	4 21	2 43	1 12	11 9	2 17	17 12	0 44	3 22	1 27	26 37	7 27	7 27	7 48	19 55	16 40	3 42
F 21	18 15	25 20	4 56	11 42	1 22	10 23	7 36	26 28	4 20	2 47	1 12	11 10	2 17	17 13	0 44	3 21	1 27	26 38	7 27	7 22	7 47	19 52	16 40	3 42
S 22	17 59	22 8	4 39	11 17	1 39	10 25	7 44	26 30	4 19	2 51	1 11	11 11	2 17	17 13	0 44	3 21	1 27	26 38	7 27	7 17	7 45	19 50	16 40	3 41
S 23	17 43	18 1	4 10	10 56	1 55	10 28	7 51	26 32	4 18	2 56	1 11	11 13	2 16	17 14	0 44	3 20	1 27	26 38	7 27	7 12	7 44	19 47	16 40	3 41
M24	17 26	13 14	3 30	10 39	2 12	10 31	7 57	26 33	4 17	3 0	1 11	11 14	2 16	17 15	0 44	3 19	1 27	26 39	7 27	7 8	7 43	19 45	16 40	3 41
T 25	17 9	7 57	2 40	10 26	2 28	10 35	8 2	26 35	4 16	3 4	1 11	11 15	2 16	17 16	0 44	3 19	1 27	26 39	7 28	7 5	7 42	19 42	16 40	3 41
W26	16 52	2 22	1 44	10 17	2 43	10 40	8 7	26 36	4 15	3 9	1 10	11 16	2 15	17 16	0 44	3 18	1 27	26 40	7 28	7 3	7 40	19 40	16 40	3 41
T 27	16 35	3n21	0 42	10 12	2 57	10 45	8 10	26 37	4 14	3 13	1 10	11 17	2 15	17 17	0 44	3 17	1 27	26 40	7 28	7 2	7 39	19 37	16 40	3 41
F 28	16 17	9 3	0n23	10 12	3 10	10 51	8 12	26 37	4 12	3 18	1 10	11 19	2 15	17 18	0 44	3 16	1 26	26 40	7 28	7 2	7 38	19 34	16 41	3 40
S 29	15 59	14 31	1 29	10 16	3 21	10 57	8 14	26 38	4 11	3 22	1 10	11 20	2 15	17 19	0 44	3 16	1 26	26 41	7 28	7 3	7 37	19 32	16 41	3 40
S 30	15 40	19 31	2 31	10 24	3 30	11 4	8 14	26 38	4 10	3 27	1 10	11 22	2 14	17 20	0 44	3 15	1 26	26 41	7 28	7 3	7 36	19 29	16 41	3 40
M31	15s22	23n45	3n28	10s36	3n38	11s11	8n14	26n38	4n 8	3n31	1s 9	11n23	2s14	17n20	0n44	3s14	1s26	26n41	7n28	7n 2	7n34	19s27	16n41	3s40

Julian Day Number = 2161184.5, Delta T = 13m11s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'18, Lahiri = 12°46'18 Julian Calendar 1 Jan. 1205 == Greg. Calendar 8 Jan. 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

FEBRUARY 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 56	19♒28'09	14♊14	21°R35	4°R13	16°R10	11♈44	5♉47	14°R11	25♓14	3°R31	17°R49	19♈13	19♒ 5	0♊ 8	T 1
W 2	9 15 52	20°28'35	28°21	20♒30	3♒48	15♋59	11°56	5°51	14♌ 8	25°16	3♌30	17♈44	19°10	19°11	0° 9	W 2
T 3	9 19 49	21°28'59	12♋57	19°23	3°25	15°49	12° 7	5°55	14° 5	25°18	3°29	17°37	19° 6	19°18	0° 9	T 3
F 4	9 23 46	22°29'21	27°57	18°17	3° 5	15°39	12°19	5°59	14° 3	25°20	3°27	17°29	19° 3	19°25	0° 9	F 4
S 5	9 27 42	23°29'42	13♌13	17°13	2°47	15°30	12°31	6° 2	14° 0	25°22	3°26	17°20	19° 0	19°32	0°10	S 5
S 6	9 31 39	24°30'00	28°33	16°13	2°31	15°22	12°43	6° 7	13°58	25°24	3°25	17°12	18°57	19°38	0°10	S 6
M 7	9 35 35	25°30'17	13♍47	15°17	2°18	15°15	12°54	6°11	13°55	25°26	3°23	17° 7	18°54	19°45	0°11	M 7
T 8	9 39 32	26°30'32	28°44	14°26	2° 7	15° 9	13° 6	6°15	13°52	25°28	3°22	17° 3	18°51	19°52	0°11	T 8
W 9	9 43 28	27°30'45	13♎18	13°42	1°59	15° 3	13°18	6°19	13°50	25°30	3°21	17°D 1	18°47	19°58	0°12	W 9
T 10	9 47 25	28°30'57	27°23	13° 4	1°53	14°58	13°31	6°23	13°47	25°32	3°20	17° 2	18°44	20° 5	0°13	T 10
F 11	9 51 21	29°31'07	11♏ 1	12°34	1°50	14°54	13°43	6°28	13°45	25°34	3°18	17° 3	18°41	20°12	0°14	F 11
S 12	9 55 18	0♓31'16	24°12	12°10	1°D50	14°51	13°55	6°33	13°42	25°37	3°17	17° 4	18°38	20°18	0°15	S 12
S 13	9 59 15	1°31'23	7♐ 0	11°54	1°51	14°48	14° 7	6°37	13°40	25°39	3°16	17°R 4	18°35	20°25	0°16	S 13
M14	10 3 11	2°31'29	19°29	11°44	1°55	14°46	14°20	6°42	13°37	25°41	3°15	17° 2	18°31	20°32	0°17	M14
T 15	10 7 8	3°31'33	1♑44	11°D41	2° 2	14°45	14°32	6°47	13°35	25°43	3°13	16°59	18°28	20°39	0°18	T 15
W16	10 11 4	4°31'36	13°47	11°45	2°10	14°D45	14°45	6°52	13°33	25°45	3°12	16°53	18°25	20°45	0°19	W16
T 17	10 15 1	5°31'36	25°44	11°54	2°21	14°46	14°58	6°57	13°30	25°47	3°11	16°46	18°22	20°52	0°20	T 17
F 18	10 18 57	6°31'35	7♒36	12° 9	2°34	14°47	15°10	7° 2	13°28	25°49	3°10	16°38	18°19	20°59	0°22	F 18
S 19	10 22 54	7°31'32	19°26	12°30	2°49	14°49	15°23	7° 7	13°26	25°52	3° 9	16°31	18°16	21° 5	0°23	S 19
S 20	10 26 50	8°31'27	1♓17	12°56	3° 7	14°51	15°36	7°12	13°23	25°54	3° 8	16°23	18°12	21°12	0°25	S 20
M21	10 30 47	9°31'20	13°10	13°26	3°26	14°54	15°49	7°17	13°21	25°56	3° 7	16°18	18° 9	21°19	0°26	M21
T 22	10 34 44	10°31'11	25° 6	14° 1	3°47	14°58	16° 2	7°23	13°19	25°58	3° 5	16°14	18° 6	21°25	0°28	T 22
W23	10 38 40	11°31'00	7♈ 8	14°40	4° 9	15° 3	16°15	7°28	13°16	26° 0	3° 4	16°12	18° 3	21°32	0°30	W23
T 24	10 42 37	12°30'47	19°17	15°23	4°34	15° 9	16°28	7°34	13°14	26° 3	3° 3	16°D11	18° 0	21°39	0°32	T 24
F 25	10 46 33	13°30'32	1♉37	16° 9	5° 0	15°15	16°41	7°39	13°12	26° 5	3° 2	16°12	17°57	21°46	0°33	F 25
S 26	10 50 30	14°30'15	14°10	16°59	5°28	15°21	16°55	7°45	13°10	26° 7	3° 1	16°14	17°53	21°52	0°35	S 26
S 27	10 54 26	15°29'55	26°59	17°53	5°57	15°28	17° 8	7°50	13° 8	26° 9	3° 0	16°15	17°50	21°59	0°37	S 27
M28	10 58 23	16♓29'33	10♊ 8	18♒49	6♒28	15♋36	17♈21	7♉56	13♌ 6	26♓11	2♌59	16°R16	17♈47	22♒ 6	0♊39	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 3	26n49	4n15	10s51	3n43	11s18	8n13	26n38	4n 7	3n36	1s 9	11n24	2s14	17n21	0n44	3s13	1s26	26n42	7n28	7n 1	7n33	19s24	16n41	3s40
W 2	14 44	28 20	4 48	11 9	3 46	11 26	8 11	26 38	4 5	3 41	1 9	11 26	2 14	17 22	0 44	3 12	1 26	26 42	7 28	6 59	7 32	19 22	16 41	3 40
T 3	14 24	27 57	5 4	11 29	3 46	11 34	8 8	26 38	4 4	3 45	1 9	11 27	2 13	17 23	0 44	3 12	1 26	26 42	7 28	6 57	7 31	19 19	16 42	3 39
F 4	14 5	25 34	5 0	11 51	3 44	11 42	8 4	26 38	4 2	3 50	1 9	11 29	2 13	17 23	0 44	3 11	1 26	26 43	7 28	6 54	7 30	19 17	16 42	3 39
S 5	13 45	21 19	4 35	12 14	3 41	11 49	8 0	26 37	4 0	3 55	1 8	11 30	2 13	17 24	0 44	3 10	1 26	26 43	7 28	6 50	7 28	19 14	16 42	3 39
S 6	13 25	15 37	3 50	12 38	3 35	11 58	7 56	26 36	3 59	4 0	1 8	11 32	2 12	17 25	0 44	3 9	1 26	26 43	7 28	6 47	7 27	19 11	16 42	3 39
M 7	13 5	9 0	2 49	13 1	3 27	12 6	7 50	26 35	3 57	4 4	1 8	11 34	2 12	17 26	0 44	3 8	1 26	26 44	7 28	6 45	7 26	19 9	16 43	3 39
T 8	12 44	1 59	1 37	13 25	3 18	12 14	7 44	26 34	3 55	4 9	1 8	11 35	2 12	17 26	0 44	3 8	1 26	26 44	7 28	6 44	7 25	19 6	16 43	3 39
W 9	12 23	4s58	0 20	13 47	3 8	12 21	7 38	26 33	3 53	4 14	1 8	11 37	2 12	17 27	0 44	3 7	1 26	26 44	7 28	6 43	7 24	19 4	16 43	3 38
T 10	12 3	11 27	0s56	14 9	2 56	12 29	7 31	26 32	3 52	4 19	1 8	11 39	2 11	17 28	0 44	3 6	1 26	26 45	7 28	6 43	7 22	19 1	16 44	3 38
F 11	11 41	17 11	2 6	14 29	2 44	12 37	7 24	26 31	3 50	4 24	1 7	11 40	2 11	17 29	0 44	3 5	1 26	26 45	7 28	6 44	7 21	18 58	16 44	3 38
S 12	11 20	21 55	3 7	14 48	2 31	12 44	7 17	26 29	3 48	4 29	1 7	11 42	2 11	17 29	0 44	3 4	1 26	26 45	7 28	6 44	7 20	18 56	16 44	3 38
S 13	10 59	25 28	3 57	15 5	2 18	12 52	7 9	26 28	3 46	4 34	1 7	11 44	2 11	17 30	0 44	3 3	1 26	26 46	7 28	6 44	7 19	18 53	16 45	3 38
M14	10 37	27 41	4 34	15 21	2 4	12 59	7 1	26 26	3 44	4 39	1 7	11 46	2 10	17 31	0 44	3 2	1 26	26 46	7 28	6 43	7 17	18 51	16 45	3 38
T 15	10 15	28 30	4 58	15 35	1 51	13 5	6 53	26 24	3 42	4 44	1 7	11 47	2 10	17 31	0 44	3 2	1 26	26 46	7 28	6 42	7 16	18 48	16 46	3 37
W16	9 54	27 56	5 8	15 47	1 37	13 12	6 44	26 23	3 41	4 49	1 7	11 49	2 10	17 32	0 44	3 1	1 26	26 46	7 28	6 40	7 15	18 45	16 46	3 37
T 17	9 32	26 5	5 5	15 58	1 23	13 18	6 35	26 21	3 39	4 54	1 6	11 51	2 10	17 33	0 44	3 0	1 26	26 47	7 28	6 37	7 14	18 43	16 46	3 37
F 18	9 9	23 6	4 49	16 7	1 10	13 24	6 26	26 19	3 37	4 59	1 6	11 53	2 9	17 33	0 44	2 59	1 26	26 47	7 28	6 34	7 13	18 40	16 47	3 37
S 19	8 47	19 10	4 20	16 13	0 57	13 29	6 17	26 17	3 35	5 4	1 6	11 55	2 9	17 34	0 44	2 58	1 26	26 47	7 27	6 31	7 11	18 37	16 47	3 37
S 20	8 25	14 29	3 40	16 19	0 44	13 34	6 8	26 14	3 33	5 9	1 6	11 57	2 9	17 35	0 44	2 57	1 26	26 47	7 27	6 28	7 10	18 35	16 48	3 37
M21	8 2	9 16	2 50	16 22	0 31	13 39	5 59	26 12	3 31	5 14	1 6	11 59	2 9	17 35	0 44	2 56	1 26	26 47	7 27	6 26	7 9	18 32	16 48	3 36
T 22	7 39	3 40	1 52	16 24	0 19	13 43	5 50	26 10	3 29	5 20	1 6	12 1	2 8	17 36	0 44	2 56	1 26	26 48	7 27	6 25	7 8	18 29	16 49	3 36
W23	7 17	2n 5	0 49	16 24	0 7	13 47	5 40	26 7	3 27	5 25	1 6	12 3	2 8	17 37	0 44	2 55	1 26	26 48	7 27	6 24	7 7	18 27	16 49	3 36
T 24	6 54	7 51	0n17	16 22	0s 5	13 51	5 31	26 5	3 25	5 30	1 5	12 5	2 8	17 37	0 44	2 54	1 26	26 48	7 27	6 24	7 5	18 24	16 50	3 36
F 25	6 31	13 23	1 23	16 19	0 16	13 54	5 22	26 2	3 23	5 35	1 5	12 7	2 8	17 38	0 44	2 53	1 26	26 48	7 27	6 24	7 4	18 21	16 50	3 36
S 26	6 8	18 30	2 27	16 14	0 27	13 56	5 12	26 0	3 22	5 40	1 5	12 9	2 8	17 38	0 44	2 52	1 26	26 48	7 27	6 25	7 3	18 19	16 51	3 36
S 27	5 44	22 54	3 25	16 8	0 37	13 58	5 3	25 57	3 20	5 45	1 5	12 11	2 7	17 39	0 44	2 51	1 26	26 49	7 27	6 25	7 2	18 16	16 51	3 35
M28	5s21	26n15	4n14	15s59	0s47	14s 0	4n53	25n54	3n18	5n51	1s 5	12n13	2s 7	17n40	0n44	2s50	1s26	26n49	7n27	6n26	7n 0	18s13	16n52	3s35

Julian Day Number = 2161215.5, Delta T = 13m11s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'22, Lahiri = 12°46'22 Julian Calendar 1 Feb. 1205 == Greg. Calendar 8 Feb. 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

MARCH 1205 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 19	17♓29'09	23♊40	19♒48	7♒ 0	15♋45	17♈35	8♉ 2	13°R 4	26♓14	2°R58	16°R16	17♈44	22♒12	0♊41	T 1
W 2	11 6 16	18°28'42	7♋36	20°50	7°34	15°54	17°48	8° 8	13♌ 2	26°16	2♌57	16♈15	17°41	22°19	0°44	W 2
T 3	11 10 13	19°28'13	21°56	21°54	8° 9	16° 4	18° 1	8°14	13° 0	26°18	2°57	16°13	17°37	22°26	0°46	T 3
F 4	11 14 9	20°27'42	6♌38	23° 0	8°45	16°14	18°15	8°20	12°58	26°20	2°56	16° 9	17°34	22°32	0°48	F 4
S 5	11 18 6	21°27'08	21°35	24° 9	9°23	16°25	18°29	8°26	12°56	26°23	2°55	16° 6	17°31	22°39	0°51	S 5
S 6	11 22 2	22°26'32	6♍42	25°20	10° 2	16°36	18°42	8°32	12°54	26°25	2°54	16° 3	17°28	22°46	0°53	S 6
M 7	11 25 59	23°25'54	21°47	26°34	10°42	16°48	18°56	8°39	12°52	26°27	2°53	16° 0	17°25	22°53	0°56	M 7
T 8	11 29 55	24°25'14	6♎42	27°49	11°23	17° 1	19° 9	8°45	12°50	26°30	2°52	15°59	17°22	22°59	0°58	T 8
W 9	11 33 52	25°24'32	21°19	29° 6	12° 5	17°14	19°23	8°51	12°49	26°32	2°52	15°D59	17°18	23° 6	1° 1	W 9
T 10	11 37 48	26°23'48	5♏32	0♓25	12°48	17°27	19°37	8°58	12°47	26°34	2°51	16° 0	17°15	23°13	1° 3	T 10
F 11	11 41 45	27°23'02	19°19	1°46	13°32	17°41	19°51	9° 4	12°45	26°36	2°50	16° 1	17°12	23°19	1° 6	F 11
S 12	11 45 41	28°22'14	2♐39	3° 8	14°17	17°55	20° 5	9°11	12°44	26°39	2°49	16° 2	17° 9	23°26	1° 9	S 12
S 13	11 49 38	29°21'24	15°34	4°32	15° 3	18°10	20°19	9°17	12°42	26°41	2°49	16° 3	17° 6	23°33	1°12	S 13
M14	11 53 35	0♈20'33	28° 8	5°58	15°50	18°26	20°32	9°24	12°41	26°43	2°48	16°R 4	17° 3	23°39	1°15	M14
T 15	11 57 31	1°19'40	10♑25	7°25	16°37	18°41	20°46	9°30	12°39	26°45	2°47	16° 4	16°59	23°46	1°18	T 15
W16	12 1 28	2°18'45	22°28	8°55	17°26	18°58	21° 0	9°37	12°38	26°48	2°47	16° 3	16°56	23°53	1°21	W16
T 17	12 5 24	3°17'48	4♒23	10°25	18°15	19°14	21°14	9°44	12°36	26°50	2°46	16° 1	16°53	24° 0	1°24	T 17
F 18	12 9 21	4°16'49	16°14	11°57	19° 5	19°31	21°28	9°51	12°35	26°52	2°46	16° 0	16°50	24° 6	1°27	F 18
S 19	12 13 17	5°15'49	28° 4	13°31	19°55	19°49	21°42	9°58	12°34	26°54	2°45	15°58	16°47	24°13	1°30	S 19
S 20	12 17 14	6°14'46	9♓56	15° 6	20°47	20° 7	21°57	10° 5	12°33	26°57	2°44	15°57	16°43	24°20	1°34	S 20
M21	12 21 10	7°13'42	21°53	16°43	21°39	20°25	22°11	10°12	12°31	26°59	2°44	15°56	16°40	24°26	1°37	M21
T 22	12 25 7	8°12'35	3♈58	18°22	22°31	20°44	22°25	10°19	12°30	27° 1	2°44	15°55	16°37	24°33	1°40	T 22
W23	12 29 4	9°11'27	16°12	20° 1	23°25	21° 3	22°39	10°26	12°29	27° 3	2°43	15°D55	16°34	24°40	1°44	W23
T 24	12 33 0	10°10'16	28°36	21°43	24°18	21°22	22°53	10°33	12°28	27° 6	2°43	15°55	16°31	24°46	1°47	T 24
F 25	12 36 57	11° 9'04	11♉12	23°26	25°13	21°42	23° 7	10°40	12°27	27° 8	2°42	15°55	16°28	24°53	1°51	F 25
S 26	12 40 53	12° 7'49	24° 2	25°10	26° 7	22° 2	23°22	10°47	12°26	27°10	2°42	15°56	16°24	25° 0	1°54	S 26
S 27	12 44 50	13° 6'32	7♊ 5	26°56	27° 3	22°23	23°36	10°54	12°25	27°12	2°42	15°56	16°21	25° 6	1°58	S 27
M28	12 48 46	14° 5'13	20°24	28°44	27°59	22°44	23°50	11° 1	12°24	27°15	2°41	15°56	16°18	25°13	2° 2	M28
T 29	12 52 43	15° 3'52	4♋ 0	0♈33	28°55	23° 5	24° 4	11° 9	12°23	27°17	2°41	15°56	16°15	25°20	2° 5	T 29
W30	12 56 39	16° 2'29	17°52	2°24	29°52	23°27	24°19	11°16	12°23	27°19	2°41	15°56	16°12	25°27	2° 9	W30
T 31	13 0 36	17♈ 1'03	2♌ 0	4♈16	0♓49	23♋48	24♈33	11♉23	12♌22	27♓21	2♌41	15♈56	16♈ 8	25♒33	2♊13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s58	28n13	4n50	15s50	0s56	14s 1	4n44	25n51	3n16	5n56	1s 5	12n15	2s 7	17n40	0n44	2s49	1s26	26n49	7n27	6n26	6n59	18s11	16n53	3s35
W 2	4 35	28 29	5 10	15 39	1 5	14 2	4 35	25 48	3 14	6 1	1 5	12 17	2 7	17 41	0 44	2 48	1 26	26 49	7 27	6 25	6 58	18 8	16 53	3 35
T 3	4 11	26 53	5 12	15 26	1 13	14 2	4 26	25 45	3 12	6 6	1 4	12 19	2 7	17 41	0 44	2 47	1 26	26 49	7 27	6 24	6 57	18 5	16 54	3 35
F 4	3 48	23 26	4 54	15 11	1 22	14 2	4 16	25 42	3 11	6 12	1 4	12 21	2 6	17 42	0 44	2 47	1 26	26 49	7 27	6 23	6 56	18 3	16 54	3 35
S 5	3 24	18 24	4 16	14 56	1 29	14 1	4 7	25 39	3 9	6 17	1 4	12 23	2 6	17 42	0 44	2 46	1 26	26 50	7 27	6 22	6 54	18 0	16 55	3 35
S 6	3 1	12 11	3 20	14 38	1 36	13 59	3 58	25 36	3 7	6 22	1 4	12 25	2 6	17 43	0 44	2 45	1 26	26 50	7 26	6 20	6 53	17 57	16 56	3 34
M 7	2 37	5 15	2 9	14 20	1 43	13 57	3 49	25 33	3 5	6 28	1 4	12 28	2 6	17 43	0 44	2 44	1 26	26 50	7 26	6 19	6 52	17 55	16 56	3 34
T 8	2 14	1s53	0 51	13 59	1 49	13 55	3 40	25 29	3 3	6 33	1 4	12 30	2 6	17 44	0 44	2 43	1 26	26 50	7 26	6 19	6 51	17 52	16 57	3 34
W 9	1 50	8 48	0s29	13 38	1 55	13 52	3 31	25 26	3 2	6 38	1 4	12 32	2 5	17 44	0 44	2 42	1 26	26 50	7 26	6 19	6 49	17 49	16 58	3 34
T 10	1 26	15 5	1 46	13 14	2 0	13 49	3 22	25 22	3 0	6 44	1 4	12 34	2 5	17 45	0 44	2 41	1 26	26 50	7 26	6 19	6 48	17 46	16 58	3 34
F 11	1 3	20 25	2 54	12 50	2 5	13 45	3 13	25 19	2 58	6 49	1 4	12 37	2 5	17 45	0 44	2 40	1 26	26 50	7 26	6 20	6 47	17 44	16 59	3 34
S 12	0 39	24 32	3 50	12 24	2 9	13 40	3 5	25 15	2 56	6 54	1 3	12 39	2 5	17 46	0 44	2 39	1 26	26 50	7 26	6 20	6 46	17 41	17 0	3 34
S 13	0 15	27 16	4 32	11 57	2 13	13 35	2 56	25 11	2 55	7 0	1 3	12 41	2 5	17 46	0 44	2 38	1 26	26 50	7 26	6 21	6 45	17 38	17 1	3 33
M14	0n 8	28 33	5 1	11 28	2 16	13 29	2 48	25 7	2 53	7 5	1 3	12 43	2 4	17 46	0 44	2 38	1 26	26 50	7 26	6 21	6 43	17 35	17 1	3 33
T 15	0 32	28 22	5 14	10 58	2 19	13 23	2 40	25 4	2 51	7 10	1 3	12 46	2 4	17 47	0 44	2 37	1 26	26 50	7 26	6 21	6 42	17 33	17 2	3 33
W16	0 55	26 49	5 14	10 27	2 21	13 17	2 31	25 0	2 49	7 16	1 3	12 48	2 4	17 47	0 43	2 36	1 26	26 50	7 26	6 20	6 41	17 30	17 3	3 33
T 17	1 19	24 6	5 0	9 54	2 23	13 9	2 23	24 56	2 48	7 21	1 3	12 50	2 4	17 48	0 43	2 35	1 26	26 51	7 25	6 20	6 40	17 27	17 3	3 33
F 18	1 42	20 23	4 33	9 20	2 24	13 2	2 15	24 51	2 46	7 26	1 3	12 52	2 4	17 48	0 43	2 34	1 26	26 51	7 25	6 19	6 39	17 24	17 4	3 33
S 19	2 6	15 52	3 55	8 44	2 25	12 53	2 7	24 47	2 45	7 32	1 3	12 55	2 4	17 48	0 43	2 33	1 26	26 51	7 25	6 19	6 37	17 22	17 5	3 33
S 20	2 29	10 45	3 6	8 8	2 26	12 45	1 59	24 43	2 43	7 37	1 3	12 57	2 3	17 49	0 43	2 32	1 26	26 51	7 25	6 18	6 36	17 19	17 6	3 33
M21	2 53	5 13	2 9	7 30	2 26	12 35	1 52	24 39	2 41	7 42	1 3	12 59	2 3	17 49	0 43	2 31	1 26	26 51	7 25	6 18	6 35	17 16	17 6	3 32
T 22	3 16	0n35	1 6	6 51	2 25	12 26	1 44	24 34	2 40	7 48	1 2	13 2	2 3	17 49	0 43	2 30	1 26	26 51	7 25	6 17	6 34	17 13	17 7	3 32
W23	3 39	6 25	0n 2	6 10	2 24	12 15	1 37	24 30	2 38	7 53	1 2	13 4	2 3	17 50	0 43	2 30	1 26	26 51	7 25	6 17	6 32	17 10	17 8	3 32
T 24	4 3	12 7	1 10	5 29	2 22	12 5	1 29	24 25	2 37	7 58	1 2	13 6	2 3	17 50	0 43	2 29	1 26	26 51	7 25	6 17	6 31	17 8	17 9	3 32
F 25	4 26	17 24	2 16	4 46	2 20	11 53	1 22	24 20	2 35	8 4	1 2	13 9	2 3	17 50	0 43	2 28	1 26	26 51	7 25	6 17	6 30	17 5	17 10	3 32
S 26	4 49	22 2	3 16	4 2	2 18	11 42	1 15	24 15	2 33	8 9	1 2	13 11	2 2	17 50	0 43	2 27	1 26	26 51	7 24	6 18	6 29	17 2	17 10	3 32
S 27	5 12	25 39	4 7	3 17	2 14	11 29	1 8	24 10	2 32	8 14	1 2	13 13	2 2	17 51	0 43	2 26	1 26	26 50	7 24	6 18	6 27	16 59	17 11	3 32
M28	5 35	27 57	4 46	2 30	2 11	11 17	1 1	24 5	2 30	8 20	1 2	13 16	2 2	17 51	0 43	2 25	1 26	26 50	7 24	6 18	6 26	16 56	17 12	3 32
T 29	5 58	28 39	5 10	1 43	2 7	11 3	0 54	24 0	2 29	8 25	1 2	13 18	2 2	17 51	0 43	2 24	1 26	26 50	7 24	6 18	6 25	16 54	17 13	3 32
W30	6 20	27 35	5 17	0 54	2 2	10 50	0 48	23 55	2 27	8 30	1 2	13 21	2 2	17 51	0 43	2 23	1 26	26 50	7 24	6 18	6 24	16 51	17 14	3 32
T 31	6n43	24n45	5n 5	0s 5	1s57	10s36	0n41	23n50	2n26	8n36	1s 2	13n23	2s 2	17n51	0n43	2s23	1s26	26n50	7n24	6n18	6n23	16s48	17n14	3s31

Julian Day Number = 2161243.5, Delta T = 13m11s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'26, Lahiri = 12°46'26 Julian Calendar 1 March 1205 == Greg. Calendar 8 March 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

APRIL 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 4 33	17♈59'35	16♌23	6♈10	1♓47	24♋11	24♈47	11♉31	12°R21	27♓23	2°R40	15♈56	16♈ 5	25♒40	2♊17	F 1
S 2	13 8 29	18°58'04	0♍57	8° 6	2°45	24°33	25° 1	11°38	12♌21	27°25	2♌40	15°57	16° 2	25°47	2°21	S 2
S 3	13 12 26	19°56'32	15°38	10° 3	3°43	24°56	25°16	11°45	12°20	27°28	2°40	15°57	15°59	25°53	2°24	S 3
M 4	13 16 22	20°54'57	0♎20	12° 2	4°42	25°19	25°30	11°53	12°20	27°30	2°40	15°57	15°56	26° 0	2°28	M 4
T 5	13 20 19	21°53'20	14°56	14° 2	5°41	25°42	25°44	12° 0	12°19	27°32	2°40	15°R57	15°53	26° 7	2°32	T 5
W 6	13 24 15	22°51'42	29°21	16° 4	6°41	26° 6	25°59	12° 8	12°19	27°34	2°40	15°57	15°49	26°13	2°36	W 6
T 7	13 28 12	23°50'01	13♏28	18° 7	7°41	26°30	26°13	12°15	12°19	27°36	2°40	15°57	15°46	26°20	2°41	T 7
F 8	13 32 8	24°48'19	27°14	20°11	8°41	26°54	26°27	12°23	12°18	27°38	2°D40	15°56	15°43	26°27	2°45	F 8
S 9	13 36 5	25°46'36	10♐37	22°17	9°42	27°18	26°42	12°31	12°18	27°40	2°40	15°55	15°40	26°33	2°49	S 9
S 10	13 40 2	26°44'50	23°36	24°24	10°43	27°43	26°56	12°38	12°18	27°42	2°40	15°53	15°37	26°40	2°53	S 10
M11	13 43 58	27°43'04	6♑15	26°31	11°44	28° 8	27°10	12°46	12°18	27°44	2°40	15°52	15°34	26°47	2°57	M11
T 12	13 47 55	28°41'15	18°35	28°40	12°46	28°33	27°25	12°53	12°18	27°46	2°40	15°51	15°30	26°54	3° 2	T 12
W13	13 51 51	29°39'25	0♒41	0♉49	13°48	28°58	27°39	13° 1	12°D18	27°48	2°40	15°D51	15°27	27° 0	3° 6	W13
T 14	13 55 48	0♉37'34	12°37	2°59	14°50	29°24	27°53	13° 9	12°18	27°50	2°40	15°52	15°24	27° 7	3°10	T 14
F 15	13 59 44	1°35'41	24°28	5° 8	15°52	29°50	28° 8	13°16	12°18	27°52	2°41	15°53	15°21	27°14	3°15	F 15
S 16	14 3 41	2°33'46	6♓19	7°18	16°55	0♌16	28°22	13°24	12°18	27°54	2°41	15°54	15°18	27°20	3°19	S 16
S 17	14 7 37	3°31'51	18°13	9°27	17°58	0°42	28°36	13°32	12°18	27°56	2°41	15°55	15°14	27°27	3°23	S 17
M18	14 11 34	4°29'53	0♈16	11°36	19° 1	1° 9	28°50	13°40	12°19	27°58	2°41	15°57	15°11	27°34	3°28	M18
T 19	14 15 31	5°27'54	12°29	13°43	20° 4	1°36	29° 5	13°47	12°19	28° 0	2°42	15°R57	15° 8	27°40	3°32	T 19
W20	14 19 27	6°25'54	24°56	15°49	21° 8	2° 3	29°19	13°55	12°19	28° 2	2°42	15°57	15° 5	27°47	3°37	W20
T 21	14 23 24	7°23'52	7♉37	17°54	22°12	2°30	29°33	14° 3	12°20	28° 4	2°42	15°56	15° 2	27°54	3°41	T 21
F 22	14 27 20	8°21'48	20°35	19°57	23°16	2°57	29°47	14°11	12°20	28° 5	2°43	15°53	14°59	28° 0	3°46	F 22
S 23	14 31 17	9°19'43	3♊47	21°58	24°20	3°25	0♉ 2	14°18	12°21	28° 7	2°43	15°50	14°55	28° 7	3°51	S 23
S 24	14 35 13	10°17'36	17°14	23°56	25°25	3°52	0°16	14°26	12°21	28° 9	2°43	15°47	14°52	28°14	3°55	S 24
M25	14 39 10	11°15'28	0♋53	25°52	26°29	4°20	0°30	14°34	12°22	28°11	2°44	15°43	14°49	28°20	4° 0	M25
T 26	14 43 6	12°13'18	14°43	27°45	27°34	4°49	0°44	14°42	12°23	28°13	2°44	15°40	14°46	28°27	4° 5	T 26
W27	14 47 3	13°11'06	28°43	29°36	28°39	5°17	0°58	14°50	12°23	28°14	2°45	15°38	14°43	28°34	4° 9	W27
T 28	14 51 0	14° 8'53	12♌50	1♊23	29°44	5°45	1°12	14°57	12°24	28°16	2°45	15°D38	14°40	28°41	4°14	T 28
F 29	14 54 56	15° 6'37	27° 2	3° 8	0♈50	6°14	1°27	15° 5	12°25	28°18	2°46	15°38	14°36	28°47	4°19	F 29
S 30	14 58 53	16♉ 4'20	11♍17	4♊49	1♈55	6♌43	1♉41	15♉13	12♌26	28♓19	2♌47	15♈39	14♈33	28♒54	4♊24	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 5	20n20	4n34	0n46	1s51	10s21	0n35	23n45	2n24	8n41	1s 2	13n25	2s 2	17n51	0n43	2s22	1s26	26n50	7n24	6n18	6n21	16s45	17n15	3s31
S 2	7 28	14 41	3 45	1 37	1 45	10 6	0 28	23 39	2 23	8 46	1 2	13 28	2 2	17 52	0 43	2 21	1 26	26 50	7 24	6 18	6 20	16 42	17 16	3 31
S 3	7 50	8 9	2 40	2 30	1 38	9 51	0 22	23 34	2 22	8 52	1 2	13 30	2 1	17 52	0 43	2 20	1 26	26 50	7 23	6 18	6 19	16 40	17 17	3 31
M 4	8 12	1 10	1 26	3 23	1 31	9 35	0 16	23 28	2 20	8 57	1 2	13 33	2 1	17 52	0 43	2 19	1 26	26 50	7 23	6 18	6 18	16 37	17 18	3 31
T 5	8 34	5s49	0 6	4 17	1 23	9 19	0 10	23 22	2 19	9 2	1 1	13 35	2 1	17 52	0 43	2 18	1 26	26 50	7 23	6 18	6 16	16 34	17 19	3 31
W 6	8 56	12 26	1s14	5 11	1 15	9 2	0 4	23 16	2 17	9 7	1 1	13 37	2 1	17 52	0 43	2 18	1 26	26 50	7 23	6 18	6 15	16 31	17 19	3 31
T 7	9 17	18 17	2 27	6 7	1 6	8 45	0s 1	23 10	2 16	9 13	1 1	13 40	2 1	17 52	0 43	2 17	1 27	26 50	7 23	6 18	6 14	16 28	17 20	3 31
F 8	9 39	23 1	3 29	7 2	0 57	8 27	0 7	23 4	2 15	9 18	1 1	13 42	2 1	17 52	0 43	2 16	1 27	26 49	7 23	6 18	6 13	16 25	17 21	3 31
S 9	10 0	26 24	4 19	7 58	0 48	8 9	0 12	22 58	2 13	9 23	1 1	13 45	2 1	17 52	0 43	2 15	1 27	26 49	7 23	6 17	6 12	16 22	17 22	3 31
S 10	10 21	28 16	4 53	8 54	0 38	7 51	0 18	22 52	2 12	9 28	1 1	13 47	2 1	17 52	0 43	2 14	1 27	26 49	7 22	6 17	6 10	16 20	17 23	3 31
M11	10 42	28 35	5 12	9 50	0 28	7 33	0 23	22 45	2 11	9 34	1 1	13 49	2 1	17 52	0 43	2 14	1 27	26 49	7 22	6 16	6 9	16 17	17 24	3 31
T 12	11 3	27 28	5 16	10 46	0 18	7 14	0 28	22 39	2 9	9 39	1 1	13 52	2 1	17 52	0 43	2 13	1 27	26 49	7 22	6 16	6 8	16 14	17 25	3 31
W13	11 24	25 4	5 6	11 41	0 8	6 54	0 33	22 32	2 8	9 44	1 1	13 54	2 0	17 52	0 43	2 12	1 27	26 49	7 22	6 16	6 7	16 11	17 25	3 31
T 14	11 44	21 37	4 43	12 36	0n 3	6 35	0 38	22 26	2 7	9 49	1 1	13 56	2 0	17 52	0 43	2 11	1 27	26 49	7 22	6 16	6 5	16 8	17 26	3 31
F 15	12 5	17 19	4 8	13 30	0 14	6 15	0 42	22 19	2 5	9 54	1 1	13 59	2 0	17 52	0 43	2 11	1 27	26 48	7 22	6 16	6 4	16 5	17 27	3 30
S 16	12 25	12 22	3 22	14 23	0 24	5 55	0 47	22 12	2 4	9 59	1 1	14 1	2 0	17 52	0 43	2 10	1 27	26 48	7 22	6 17	6 3	16 2	17 28	3 30
S 17	12 45	6 56	2 27	15 15	0 35	5 34	0 51	22 5	2 3	10 5	1 1	14 4	2 0	17 52	0 42	2 9	1 27	26 48	7 22	6 17	6 2	15 59	17 29	3 30
M18	13 5	1 12	1 26	16 6	0 45	5 13	0 56	21 58	2 1	10 10	1 1	14 6	2 0	17 52	0 42	2 8	1 27	26 48	7 21	6 18	6 0	15 56	17 30	3 30
T 19	13 24	4n40	0 19	16 54	0 55	4 52	1 0	21 51	2 0	10 15	1 1	14 8	2 0	17 52	0 42	2 8	1 27	26 48	7 21	6 18	5 59	15 54	17 31	3 30
W20	13 43	10 27	0n49	17 41	1 5	4 30	1 4	21 43	1 59	10 20	1 1	14 11	2 0	17 51	0 42	2 7	1 27	26 47	7 21	6 18	5 58	15 51	17 32	3 30
T 21	14 2	15 57	1 57	18 26	1 15	4 9	1 8	21 36	1 58	10 25	1 1	14 13	2 0	17 51	0 42	2 6	1 27	26 47	7 21	6 18	5 57	15 48	17 32	3 30
F 22	14 21	20 51	2 59	19 9	1 24	3 47	1 12	21 28	1 57	10 30	1 1	14 15	2 0	17 51	0 42	2 6	1 27	26 47	7 21	6 17	5 56	15 45	17 33	3 30
S 23	14 40	24 49	3 53	19 50	1 33	3 25	1 15	21 21	1 55	10 35	1 1	14 18	2 0	17 51	0 42	2 5	1 27	26 47	7 21	6 16	5 54	15 42	17 34	3 30
S 24	14 58	27 30	4 36	20 28	1 41	3 2	1 19	21 13	1 54	10 40	1 1	14 20	2 0	17 51	0 42	2 4	1 27	26 47	7 21	6 14	5 53	15 39	17 35	3 30
M25	15 16	28 36	5 3	21 3	1 48	2 40	1 22	21 5	1 53	10 45	1 1	14 23	2 0	17 51	0 42	2 3	1 27	26 46	7 21	6 13	5 52	15 36	17 36	3 30
T 26	15 34	27 55	5 13	21 36	1 55	2 17	1 26	20 57	1 52	10 50	1 1	14 25	1 59	17 50	0 42	2 3	1 27	26 46	7 20	6 12	5 51	15 33	17 37	3 30
W27	15 52	25 29	5 5	22 7	2 1	1 54	1 29	20 49	1 51	10 55	1 1	14 27	1 59	17 50	0 42	2 2	1 27	26 46	7 20	6 11	5 49	15 30	17 38	3 30
T 28	16 9	21 29	4 39	22 35	2 6	1 31	1 32	20 41	1 49	11 0	1 1	14 30	1 59	17 50	0 42	2 1	1 27	26 46	7 20	6 11	5 48	15 27	17 38	3 30
F 29	16 26	16 14	3 55	23 1	2 11	1 7	1 35	20 33	1 48	11 5	1 1	14 32	1 59	17 50	0 42	2 1	1 27	26 45	7 20	6 11	5 47	15 24	17 39	3 30
S 30	16n43	10n 5	2n57	23n24	2n14	0s44	1s38	20n24	1n47	11n10	1s 1	14n34	1s59	17n49	0n42	2s 0	1s27	26n45	7n20	6n11	5n46	15s21	17n40	3s30

Julian Day Number = 2161274.5, Delta T = 13m11s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'30, Lahiri = 12°46'31 Julian Calendar 1 Apr. 1205 == Greg. Calendar 8 Apr. 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

MAY 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 49	17♉ 2'01	25♍34	6♊27	3♈ 1	7♌12	1♉55	15♉21	12♌27	28♓21	2♌47	15♈41	14♈30	29♒ 1	4♊28	S 1
M 2	15 6 46	17°59'41	9♎49	8° 2	4° 7	7°41	2° 9	15°29	12°28	28°23	2°48	15°R42	14°27	29° 7	4°33	M 2
T 3	15 10 42	18°57'19	23°59	9°34	5°13	8°11	2°23	15°36	12°29	28°24	2°48	15°41	14°24	29°14	4°38	T 3
W 4	15 14 39	19°54'55	8♏ 0	11° 2	6°19	8°40	2°37	15°44	12°30	28°26	2°49	15°40	14°20	29°21	4°43	W 4
T 5	15 18 35	20°52'31	21°48	12°27	7°25	9°10	2°51	15°52	12°31	28°28	2°50	15°36	14°17	29°27	4°48	T 5
F 6	15 22 32	21°50'05	5♐21	13°49	8°31	9°40	3° 5	16° 0	12°32	28°29	2°51	15°32	14°14	29°34	4°52	F 6
S 7	15 26 29	22°47'38	18°36	15° 7	9°38	10°10	3°18	16° 8	12°34	28°31	2°51	15°26	14°11	29°41	4°57	S 7
S 8	15 30 25	23°45'10	1♑32	16°22	10°45	10°40	3°32	16°15	12°35	28°32	2°52	15°19	14° 8	29°47	5° 2	S 8
M 9	15 34 22	24°42'41	14°10	17°33	11°52	11°10	3°46	16°23	12°36	28°34	2°53	15°13	14° 5	29°54	5° 7	M 9
T 10	15 38 18	25°40'11	26°30	18°40	12°59	11°41	4° 0	16°31	12°38	28°35	2°54	15° 8	14° 1	0♓ 1	5°12	T 10
W11	15 42 15	26°37'40	8♒37	19°44	14° 6	12°11	4°14	16°39	12°39	28°36	2°55	15° 5	13°58	0° 7	5°17	W11
T 12	15 46 11	27°35'09	20°33	20°44	15°13	12°42	4°27	16°46	12°41	28°38	2°56	15° 3	13°55	0°14	5°22	T 12
F 13	15 50 8	28°32'36	2♓25	21°41	16°20	13°13	4°41	16°54	12°42	28°39	2°57	15°D 3	13°52	0°21	5°27	F 13
S 14	15 54 4	29°30'03	14°16	22°33	17°28	13°44	4°55	17° 2	12°44	28°40	2°57	15° 4	13°49	0°27	5°32	S 14
S 15	15 58 1	0♊27'29	26°12	23°21	18°35	14°15	5° 8	17° 9	12°45	28°42	2°58	15° 5	13°46	0°34	5°37	S 15
M16	16 1 58	1°24'54	8♈18	24° 6	19°43	14°46	5°22	17°17	12°47	28°43	2°59	15° 6	13°42	0°41	5°42	M16
T 17	16 5 54	2°22'18	20°37	24°46	20°51	15°17	5°35	17°25	12°49	28°44	3° 0	15°R 6	13°39	0°48	5°47	T 17
W18	16 9 51	3°19'42	3♉14	25°22	21°59	15°49	5°49	17°32	12°51	28°45	3° 1	15° 5	13°36	0°54	5°52	W18
T 19	16 13 47	4°17'05	16°11	25°54	23° 7	16°21	6° 2	17°40	12°52	28°47	3° 2	15° 1	13°33	1° 1	5°57	T 19
F 20	16 17 44	5°14'28	29°28	26°21	24°15	16°52	6°15	17°47	12°54	28°48	3° 4	14°55	13°30	1° 8	6° 2	F 20
S 21	16 21 40	6°11'49	13♊ 5	26°44	25°23	17°24	6°29	17°55	12°56	28°49	3° 5	14°48	13°26	1°14	6° 7	S 21
S 22	16 25 37	7° 9'10	26°58	27° 3	26°32	17°56	6°42	18° 3	12°58	28°50	3° 6	14°40	13°23	1°21	6°12	S 22
M23	16 29 33	8° 6'30	11♋ 4	27°17	27°40	18°29	6°55	18°10	13° 0	28°51	3° 7	14°31	13°20	1°28	6°17	M23
T 24	16 33 30	9° 3'50	25°18	27°26	28°49	19° 1	7° 8	18°18	13° 2	28°52	3° 8	14°24	13°17	1°34	6°22	T 24
W25	16 37 27	10° 1'08	9♌35	27°31	29°57	19°33	7°22	18°25	13° 4	28°53	3° 9	14°18	13°14	1°41	6°26	W25
T 26	16 41 23	10°58'25	23°51	27°R31	1♉ 6	20° 6	7°35	18°32	13° 7	28°54	3°10	14°15	13°11	1°48	6°31	T 26
F 27	16 45 20	11°55'41	8♍ 4	27°27	2°15	20°38	7°48	18°40	13° 9	28°55	3°12	14°D14	13° 7	1°54	6°36	F 27
S 28	16 49 16	12°52'57	22°11	27°19	3°23	21°11	8° 1	18°47	13°11	28°56	3°13	14°14	13° 4	2° 1	6°41	S 28
S 29	16 53 13	13°50'11	6♎11	27° 6	4°32	21°44	8°13	18°55	13°13	28°57	3°14	14°15	13° 1	2° 8	6°46	S 29
M30	16 57 9	14°47'25	20° 4	26°49	5°41	22°17	8°26	19° 2	13°16	28°58	3°15	14°R15	12°58	2°14	6°51	M30
T 31	17 1 6	15♊44'37	3♏49	26♊28	6♉50	22♌50	8♉39	19♉ 9	13♌18	28♓59	3♌17	14♈13	12♈55	2♓21	6♊56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 0	3n25	1n48	23n44	2n17	0s20	1s40	20n16	1n46	11n15	1s 1	14n36	1s59	17n49	0n42	2s 0	1s27	26n45	7n20	6n12	5n44	15s18	17n41	3s30
M 2	17 16	3s25	0 32	24 2	2 20	0n 4	1 43	20 7	1 45	11 19	1 1	14 39	1 59	17 49	0 42	1 59	1 27	26 44	7 20	6 12	5 43	15 16	17 42	3 30
T 3	17 32	10 2	0s45	24 18	2 21	0 28	1 45	19 58	1 44	11 24	1 1	14 41	1 59	17 48	0 42	1 58	1 27	26 44	7 20	6 12	5 42	15 13	17 43	3 30
W 4	17 48	16 6	1 59	24 32	2 21	0 52	1 48	19 49	1 43	11 29	1 1	14 43	1 59	17 48	0 42	1 58	1 27	26 44	7 19	6 11	5 41	15 10	17 44	3 30
T 5	18 3	21 15	3 4	24 43	2 21	1 16	1 50	19 40	1 41	11 34	1 1	14 46	1 59	17 48	0 42	1 57	1 28	26 44	7 19	6 10	5 39	15 7	17 44	3 30
F 6	18 18	25 11	3 58	24 53	2 20	1 41	1 52	19 31	1 40	11 39	1 1	14 48	1 59	17 47	0 42	1 57	1 28	26 43	7 19	6 8	5 38	15 4	17 45	3 30
S 7	18 33	27 39	4 37	25 0	2 18	2 5	1 54	19 22	1 39	11 43	1 1	14 50	1 59	17 47	0 42	1 56	1 28	26 43	7 19	6 6	5 37	15 1	17 46	3 30
S 8	18 48	28 33	5 1	25 5	2 15	2 30	1 56	19 13	1 38	11 48	1 1	14 52	1 59	17 46	0 42	1 56	1 28	26 43	7 19	6 4	5 36	14 58	17 47	3 30
M 9	19 2	27 55	5 10	25 8	2 11	2 54	1 58	19 3	1 37	11 53	1 1	14 55	1 59	17 46	0 42	1 55	1 28	26 42	7 19	6 1	5 35	14 55	17 48	3 31
T 10	19 16	25 55	5 4	25 10	2 7	3 19	1 59	18 54	1 36	11 57	1 1	14 57	1 59	17 46	0 42	1 54	1 28	26 42	7 19	5 59	5 33	14 52	17 48	3 31
W11	19 29	22 46	4 44	25 10	2 1	3 43	2 1	18 44	1 35	12 2	1 1	14 59	1 59	17 45	0 42	1 54	1 28	26 42	7 19	5 58	5 32	14 49	17 49	3 31
T 12	19 42	18 41	4 13	25 8	1 55	4 8	2 2	18 34	1 34	12 7	1 1	15 1	1 59	17 45	0 42	1 53	1 28	26 41	7 18	5 57	5 31	14 46	17 50	3 31
F 13	19 55	13 56	3 30	25 5	1 48	4 33	2 4	18 24	1 33	12 11	1 1	15 3	1 59	17 44	0 42	1 53	1 28	26 41	7 18	5 57	5 30	14 43	17 51	3 31
S 14	20 8	8 40	2 39	25 0	1 40	4 58	2 5	18 15	1 32	12 16	1 1	15 6	1 59	17 44	0 42	1 52	1 28	26 41	7 18	5 58	5 28	14 40	17 52	3 31
S 15	20 20	3 3	1 41	24 54	1 31	5 22	2 6	18 4	1 31	12 20	1 1	15 8	1 59	17 43	0 42	1 52	1 28	26 40	7 18	5 58	5 27	14 37	17 53	3 31
M16	20 32	2n44	0 37	24 46	1 22	5 47	2 7	17 54	1 30	12 25	1 1	15 10	1 59	17 43	0 42	1 51	1 28	26 40	7 18	5 59	5 26	14 34	17 53	3 31
T 17	20 44	8 33	0n30	24 38	1 11	6 12	2 8	17 44	1 29	12 29	1 1	15 12	1 59	17 42	0 41	1 51	1 28	26 40	7 18	5 59	5 25	14 31	17 54	3 31
W18	20 55	14 9	1 36	24 28	1 0	6 37	2 9	17 34	1 28	12 34	1 1	15 14	1 59	17 42	0 41	1 51	1 28	26 39	7 18	5 58	5 23	14 28	17 55	3 31
T 19	21 6	19 18	2 39	24 17	0 48	7 1	2 9	17 23	1 27	12 38	1 1	15 16	1 59	17 41	0 41	1 50	1 28	26 39	7 18	5 57	5 22	14 25	17 56	3 31
F 20	21 16	23 38	3 35	24 5	0 35	7 26	2 10	17 12	1 26	12 43	1 1	15 18	1 59	17 40	0 41	1 50	1 28	26 39	7 18	5 54	5 21	14 22	17 56	3 31
S 21	21 26	26 47	4 21	23 52	0 22	7 50	2 10	17 2	1 25	12 47	1 1	15 20	1 59	17 40	0 41	1 49	1 28	26 38	7 18	5 51	5 20	14 19	17 57	3 31
S 22	21 36	28 22	4 51	23 39	0 8	8 15	2 11	16 51	1 24	12 51	1 1	15 23	1 59	17 39	0 41	1 49	1 28	26 38	7 17	5 48	5 18	14 16	17 58	3 31
M23	21 45	28 9	5 5	23 24	0s 7	8 39	2 11	16 40	1 23	12 56	1 1	15 25	1 59	17 39	0 41	1 49	1 28	26 38	7 17	5 45	5 17	14 13	17 59	3 31
T 24	21 54	26 5	5 0	23 9	0 22	9 3	2 11	16 29	1 22	13 0	1 1	15 27	1 59	17 38	0 41	1 48	1 28	26 37	7 17	5 42	5 16	14 10	17 59	3 32
W25	22 3	22 22	4 37	22 54	0 38	9 28	2 11	16 18	1 21	13 4	1 1	15 29	1 59	17 37	0 41	1 48	1 29	26 37	7 17	5 40	5 15	14 7	18 0	3 32
T 26	22 11	17 20	3 56	22 37	0 54	9 52	2 11	16 6	1 20	13 8	1 1	15 31	1 59	17 37	0 41	1 47	1 29	26 37	7 17	5 39	5 13	14 4	18 1	3 32
F 27	22 19	11 23	3 1	22 21	1 10	10 15	2 11	15 55	1 19	13 12	1 1	15 33	1 59	17 36	0 41	1 47	1 29	26 36	7 17	5 38	5 12	14 1	18 2	3 32
S 28	22 27	4 53	1 55	22 4	1 27	10 39	2 11	15 44	1 18	13 17	1 1	15 35	1 59	17 35	0 41	1 47	1 29	26 36	7 17	5 38	5 11	13 58	18 2	3 32
S 29	22 34	1s49	0 43	21 47	1 44	11 3	2 10	15 32	1 17	13 21	1 1	15 37	1 59	17 35	0 41	1 47	1 29	26 35	7 17	5 38	5 10	13 54	18 3	3 32
M30	22 40	8 22	0s31	21 30	2 1	11 26	2 10	15 20	1 16	13 25	1 1	15 39	1 59	17 34	0 41	1 46	1 29	26 35	7 17	5 39	5 9	13 51	18 4	3 32
T 31	22n47	14s27	1s43	21n13	2s17	11n49	2s 9	15n 9	1n15	13n29	1s 1	15n40	1s59	17n33	0n41	1s46	1s29	26n35	7n17	5n38	5n 7	13s48	18n 4	3s32

Julian Day Number = 2161304.5, Delta T = 13m11s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'34, Lahiri = 12°46'35 Julian Calendar 1 May 1205 == Greg. Calendar 8 May 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

JUNE 1205 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 5 2	16♊41'50	17♏25	26°R 4	8♉ 0	23♌23	8♉52	19♉16	13♌20	28♓59	3♌18	14°R 9	12♈52	2♓28	7♊ 1	W 1
T 2	17 8 59	17°39'01	0♐50	25♊37	9° 9	23°57	9° 4	19°24	13°23	29° 0	3°19	14♈ 3	12°48	2°34	7° 6	T 2
F 3	17 12 56	18°36'13	14° 3	25° 7	10°18	24°30	9°17	19°31	13°25	29° 1	3°21	13°54	12°45	2°41	7°11	F 3
S 4	17 16 52	19°33'24	27° 2	24°35	11°28	25° 3	9°29	19°38	13°28	29° 2	3°22	13°43	12°42	2°48	7°16	S 4
S 5	17 20 49	20°30'34	9♑46	24° 2	12°37	25°37	9°42	19°45	13°30	29° 2	3°24	13°32	12°39	2°54	7°21	S 5
M 6	17 24 45	21°27'45	22°16	23°27	13°47	26°11	9°54	19°52	13°33	29° 3	3°25	13°21	12°36	3° 1	7°26	M 6
T 7	17 28 42	22°24'55	4♒32	22°51	14°56	26°45	10° 6	19°59	13°36	29° 4	3°26	13°11	12°32	3° 8	7°31	T 7
W 8	17 32 38	23°22'05	16°36	22°16	16° 6	27°18	10°19	20° 6	13°38	29° 4	3°28	13° 4	12°29	3°14	7°36	W 8
T 9	17 36 35	24°19'15	28°31	21°42	17°16	27°52	10°31	20°13	13°41	29° 5	3°29	12°58	12°26	3°21	7°40	T 9
F 10	17 40 32	25°16'25	10♓21	21° 9	18°26	28°27	10°43	20°20	13°44	29° 5	3°31	12°55	12°23	3°28	7°45	F 10
S 11	17 44 28	26°13'35	22°11	20°37	19°36	29° 1	10°55	20°27	13°47	29° 6	3°32	12°D54	12°20	3°35	7°50	S 11
S 12	17 48 25	27°10'46	4♈ 6	20° 8	20°46	29°35	11° 7	20°34	13°49	29° 6	3°34	12°54	12°17	3°41	7°55	S 12
M13	17 52 21	28° 7'56	16°12	19°42	21°56	0♍ 9	11°19	20°40	13°52	29° 7	3°35	12°R54	12°13	3°48	8° 0	M13
T 14	17 56 18	29° 5'07	28°34	19°19	23° 6	0°44	11°30	20°47	13°55	29° 7	3°37	12°54	12°10	3°55	8° 4	T 14
W15	18 0 14	0♋ 2'18	11♉16	19° 1	24°16	1°18	11°42	20°54	13°58	29° 7	3°38	12°51	12° 7	4° 1	8° 9	W15
T 16	18 4 11	0°59'29	24°22	18°46	25°26	1°53	11°54	21° 0	14° 1	29° 8	3°40	12°46	12° 4	4° 8	8°14	T 16
F 17	18 8 7	1°56'41	7♊52	18°35	26°37	2°28	12° 5	21° 7	14° 4	29° 8	3°42	12°38	12° 1	4°15	8°19	F 17
S 18	18 12 4	2°53'53	21°48	18°30	27°47	3° 3	12°17	21°14	14° 7	29° 8	3°43	12°28	11°58	4°21	8°23	S 18
S 19	18 16 1	3°51'05	6♋ 4	18°D29	28°58	3°38	12°28	21°20	14°10	29° 9	3°45	12°17	11°54	4°28	8°28	S 19
M20	18 19 57	4°48'17	20°35	18°33	0♊ 8	4°13	12°39	21°26	14°13	29° 9	3°46	12° 5	11°51	4°35	8°33	M20
T 21	18 23 54	5°45'29	5♌15	18°43	1°19	4°48	12°50	21°33	14°16	29° 9	3°48	11°55	11°48	4°41	8°37	T 21
W22	18 27 50	6°42'41	19°55	18°57	2°29	5°23	13° 2	21°39	14°19	29° 9	3°50	11°48	11°45	4°48	8°42	W22
T 23	18 31 47	7°39'54	4♍29	19°17	3°40	5°58	13°13	21°45	14°22	29° 9	3°51	11°43	11°42	4°55	8°46	T 23
F 24	18 35 43	8°37'06	18°53	19°43	4°51	6°34	13°23	21°52	14°26	29° 9	3°53	11°40	11°38	5° 1	8°51	F 24
S 25	18 39 40	9°34'18	3♎ 3	20°13	6° 2	7° 9	13°34	21°58	14°29	29°R 9	3°55	11°39	11°35	5° 8	8°56	S 25
S 26	18 43 36	10°31'30	16°58	20°49	7°13	7°45	13°45	22° 4	14°32	29° 9	3°56	11°39	11°32	5°15	9° 0	S 26
M27	18 47 33	11°28'42	0♏39	21°30	8°24	8°21	13°55	22°10	14°35	29° 9	3°58	11°39	11°29	5°21	9° 4	M27
T 28	18 51 30	12°25'55	14° 7	22°16	9°35	8°56	14° 6	22°16	14°39	29° 9	4° 0	11°36	11°26	5°28	9° 9	T 28
W29	18 55 26	13°23'08	27°22	23° 8	10°46	9°32	14°16	22°22	14°42	29° 9	4° 1	11°31	11°23	5°35	9°13	W29
T 30	18 59 23	14♋20'21	10♐26	24♊ 4	11♊57	10♍ 8	14♉27	22♉27	14♌45	29♓ 9	4♌ 3	11♈24	11♈19	5♓41	9♊18	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n53	19s46	2s47	20n56	2s34	12n12	2s 9	14n57	1n14	13n33	1s 1	15n42	1s59	17n33	0n41	1s46	1s29	26n34	7n17	5n36	5n 6	13s45	18n 5	3s33
T 2	22 58	24 1	3 41	20 39	2 49	12 35	2 8	14 45	1 13	13 37	1 1	15 44	1 59	17 32	0 41	1 45	1 29	26 34	7 17	5 34	5 5	13 42	18 6	3 33
F 3	23 3	26 56	4 23	20 23	3 5	12 57	2 7	14 33	1 12	13 41	1 1	15 46	1 59	17 31	0 41	1 45	1 29	26 33	7 16	5 30	5 4	13 39	18 6	3 33
S 4	23 8	28 20	4 50	20 7	3 19	13 20	2 7	14 21	1 11	13 45	1 1	15 48	2 0	17 30	0 41	1 45	1 29	26 33	7 16	5 26	5 2	13 36	18 7	3 33
S 5	23 12	28 12	5 2	19 52	3 33	13 42	2 6	14 8	1 10	13 49	1 1	15 50	2 0	17 30	0 41	1 45	1 29	26 33	7 16	5 22	5 1	13 33	18 8	3 33
M 6	23 16	26 36	4 59	19 38	3 45	14 4	2 5	13 56	1 9	13 53	1 1	15 52	2 0	17 29	0 41	1 45	1 29	26 32	7 16	5 18	5 0	13 30	18 8	3 33
T 7	23 20	23 46	4 42	19 25	3 57	14 25	2 4	13 44	1 8	13 56	1 2	15 54	2 0	17 28	0 41	1 44	1 29	26 32	7 16	5 14	4 59	13 27	18 9	3 33
W 8	23 23	19 57	4 13	19 13	4 7	14 47	2 2	13 31	1 8	14 0	1 2	15 55	2 0	17 27	0 41	1 44	1 29	26 31	7 16	5 11	4 57	13 24	18 10	3 33
T 9	23 25	15 22	3 33	19 2	4 16	15 8	2 1	13 18	1 7	14 4	1 2	15 57	2 0	17 27	0 41	1 44	1 29	26 31	7 16	5 9	4 56	13 21	18 10	3 34
F 10	23 28	10 15	2 44	18 52	4 23	15 28	2 0	13 6	1 6	14 8	1 2	15 59	2 0	17 26	0 41	1 44	1 29	26 31	7 16	5 8	4 55	13 18	18 11	3 34
S 11	23 29	4 46	1 48	18 44	4 29	15 49	1 58	12 53	1 5	14 11	1 2	16 1	2 0	17 25	0 41	1 44	1 29	26 30	7 16	5 7	4 54	13 15	18 12	3 34
S 12	23 31	0n56	0 47	18 38	4 33	16 9	1 57	12 40	1 4	14 15	1 2	16 2	2 0	17 24	0 41	1 44	1 30	26 30	7 16	5 7	4 52	13 11	18 12	3 34
M13	23 32	6 40	0n18	18 33	4 36	16 28	1 55	12 27	1 3	14 19	1 2	16 4	2 0	17 23	0 41	1 43	1 30	26 29	7 16	5 7	4 51	13 8	18 13	3 34
T 14	23 32	12 17	1 22	18 30	4 37	16 48	1 54	12 14	1 2	14 22	1 2	16 6	2 0	17 22	0 41	1 43	1 30	26 29	7 16	5 7	4 50	13 5	18 13	3 34
W15	23 33	17 34	2 24	18 29	4 37	17 7	1 52	12 1	1 1	14 26	1 2	16 8	2 0	17 22	0 41	1 43	1 30	26 28	7 16	5 6	4 49	13 2	18 14	3 35
T 16	23 32	22 11	3 21	18 29	4 36	17 25	1 50	11 47	1 0	14 29	1 2	16 9	2 0	17 21	0 41	1 43	1 30	26 28	7 16	5 4	4 47	12 59	18 14	3 35
F 17	23 32	25 47	4 8	18 31	4 33	17 44	1 48	11 34	1 0	14 33	1 2	16 11	2 0	17 20	0 41	1 43	1 30	26 28	7 16	5 1	4 46	12 56	18 15	3 35
S 18	23 31	27 58	4 42	18 35	4 29	18 1	1 47	11 21	0 59	14 36	1 2	16 12	2 0	17 19	0 41	1 43	1 30	26 27	7 16	4 57	4 45	12 53	18 15	3 35
S 19	23 29	28 23	4 59	18 40	4 23	18 19	1 45	11 7	0 58	14 39	1 2	16 14	2 1	17 18	0 41	1 43	1 30	26 27	7 16	4 52	4 44	12 50	18 16	3 35
M20	23 27	26 51	4 57	18 47	4 17	18 36	1 43	10 53	0 57	14 43	1 2	16 16	2 1	17 17	0 41	1 43	1 30	26 26	7 16	4 48	4 42	12 47	18 17	3 36
T 21	23 25	23 30	4 36	18 56	4 9	18 52	1 41	10 40	0 56	14 46	1 2	16 17	2 1	17 16	0 41	1 43	1 30	26 26	7 16	4 44	4 41	12 44	18 17	3 36
W22	23 22	18 39	3 57	19 6	4 0	19 8	1 38	10 26	0 55	14 49	1 3	16 19	2 1	17 15	0 41	1 43	1 30	26 26	7 16	4 41	4 40	12 40	18 18	3 36
T 23	23 19	12 44	3 3	19 17	3 51	19 24	1 36	10 12	0 54	14 53	1 3	16 20	2 1	17 14	0 41	1 43	1 30	26 25	7 16	4 39	4 39	12 37	18 18	3 36
F 24	23 16	6 13	1 57	19 29	3 40	19 39	1 34	9 58	0 53	14 56	1 3	16 22	2 1	17 13	0 41	1 43	1 30	26 25	7 16	4 38	4 37	12 34	18 19	3 36
S 25	23 12	0s31	0 45	19 42	3 29	19 54	1 32	9 44	0 53	14 59	1 3	16 23	2 1	17 12	0 41	1 43	1 30	26 24	7 16	4 38	4 36	12 31	18 19	3 37
S 26	23 8	7 8	0s28	19 56	3 18	20 8	1 30	9 30	0 52	15 2	1 3	16 25	2 1	17 11	0 41	1 43	1 30	26 24	7 16	4 38	4 35	12 28	18 19	3 37
M27	23 3	13 17	1 39	20 11	3 5	20 22	1 27	9 16	0 51	15 5	1 3	16 26	2 1	17 10	0 41	1 43	1 30	26 23	7 16	4 37	4 34	12 25	18 20	3 37
T 28	22 58	18 44	2 42	20 27	2 53	20 35	1 25	9 2	0 50	15 8	1 3	16 27	2 1	17 9	0 40	1 43	1 30	26 23	7 16	4 36	4 32	12 22	18 20	3 37
W29	22 52	23 10	3 36	20 43	2 39	20 48	1 22	8 47	0 49	15 11	1 3	16 29	2 2	17 8	0 40	1 43	1 31	26 23	7 16	4 35	4 31	12 18	18 21	3 38
T 30	22n46	26s22	4s18	20n59	2s26	21n 0	1s20	8n33	0n48	15n14	1s 3	16n30	2s 2	17n 7	0n40	1s43	1s31	26n22	7n16	4n32	4n30	12s15	18n21	3s38

Julian Day Number = 2161335.5, Delta T = 13m10s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'38, Lahiri = 12°46'39 Julian Calendar 1 June 1205 == Greg. Calendar 8 June 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

JULY 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 3 19	15♋17'34	23♐18	25♊ 6	13♊ 8	10♍44	14♉37	22♉33	14♘49	29°R 9	4♘ 5	11°R13	11♈16	5♓48	9♊22	F 1
S 2	19 7 16	16°14'48	5♑59	26°12	14°19	11°20	14°47	22°39	14°52	29♓ 9	4° 7	11♈ 1	11°13	5°55	9°26	S 2
S 3	19 11 12	17°12'02	18°28	27°23	15°30	11°56	14°57	22°45	14°55	29° 8	4° 8	10°48	11°10	6° 1	9°31	S 3
M 4	19 15 9	18° 9'17	0♒46	28°40	16°42	12°32	15° 7	22°50	14°59	29° 8	4°10	10°35	11° 7	6° 8	9°35	M 4
T 5	19 19 6	19° 6'33	12°53	0♋ 0	17°53	13° 9	15°16	22°56	15° 2	29° 8	4°12	10°24	11° 4	6°15	9°39	T 5
W 6	19 23 2	20° 3'49	24°52	1°26	19° 5	13°45	15°26	23° 1	15° 6	29° 7	4°14	10°14	11° 0	6°21	9°43	W 6
T 7	19 26 59	21° 1'06	6♓43	2°56	20°16	14°21	15°35	23° 6	15° 9	29° 7	4°15	10° 8	10°57	6°28	9°47	T 7
F 8	19 30 55	21°58'24	18°32	4°30	21°28	14°58	15°45	23°12	15°13	29° 7	4°17	10° 4	10°54	6°35	9°51	F 8
S 9	19 34 52	22°55'43	0♈20	6° 8	22°39	15°35	15°54	23°17	15°16	29° 6	4°19	10° 2	10°51	6°41	9°55	S 9
S 10	19 38 48	23°53'03	12°14	7°50	23°51	16°11	16° 3	23°22	15°20	29° 6	4°21	10°D 1	10°48	6°48	9°59	S 10
M11	19 42 45	24°50'24	24°19	9°35	25° 3	16°48	16°12	23°27	15°23	29° 5	4°23	10°R 2	10°44	6°55	10° 3	M11
T 12	19 46 41	25°47'47	6♉39	11°24	26°15	17°25	16°21	23°32	15°27	29° 5	4°24	10° 1	10°41	7° 1	10° 7	T 12
W13	19 50 38	26°45'10	19°21	13°16	27°27	18° 2	16°30	23°37	15°30	29° 4	4°26	9°59	10°38	7° 8	10°11	W13
T 14	19 54 35	27°42'35	2♊27	15°11	28°39	18°39	16°39	23°42	15°34	29° 4	4°28	9°55	10°35	7°15	10°15	T 14
F 15	19 58 31	28°40'01	16° 2	17° 8	29°51	19°16	16°47	23°47	15°38	29° 3	4°30	9°48	10°32	7°21	10°19	F 15
S 16	20 2 28	29°37'28	0♋ 5	19° 7	1♋ 3	19°53	16°55	23°51	15°41	29° 2	4°32	9°40	10°29	7°28	10°23	S 16
S 17	20 6 24	0♌34'56	14°34	21° 8	2°15	20°30	17° 4	23°56	15°45	29° 2	4°33	9°30	10°25	7°35	10°26	S 17
M18	20 10 21	1°32'25	29°22	23°10	3°27	21° 8	17°12	24° 0	15°49	29° 1	4°35	9°20	10°22	7°41	10°30	M18
T 19	20 14 17	2°29'56	14♌22	25°12	4°39	21°45	17°20	24° 5	15°52	29° 0	4°37	9°11	10°19	7°48	10°34	T 19
W20	20 18 14	3°27'27	29°24	27°16	5°51	22°23	17°28	24° 9	15°56	29° 0	4°39	9° 3	10°16	7°55	10°37	W20
T 21	20 22 10	4°25'00	14♍18	29°20	7° 4	23° 0	17°35	24°13	16° 0	28°59	4°41	8°59	10°13	8° 1	10°41	T 21
F 22	20 26 7	5°22'33	28°59	1♌24	8°16	23°38	17°43	24°18	16° 3	28°58	4°42	8°57	10°10	8° 8	10°44	F 22
S 23	20 30 4	6°20'07	13♎21	3°28	9°29	24°16	17°50	24°22	16° 7	28°57	4°44	8°D56	10° 6	8°15	10°48	S 23
S 24	20 34 0	7°17'42	27°22	5°31	10°41	24°53	17°57	24°26	16°11	28°56	4°46	8°57	10° 3	8°21	10°51	S 24
M25	20 37 57	8°15'18	11♏ 2	7°33	11°54	25°31	18° 5	24°30	16°14	28°55	4°48	8°R57	10° 0	8°28	10°54	M25
T 26	20 41 53	9°12'55	24°23	9°35	13° 6	26° 9	18°12	24°33	16°18	28°55	4°50	8°56	9°57	8°35	10°58	T 26
W27	20 45 50	10°10'33	7♐27	11°36	14°19	26°47	18°18	24°37	16°22	28°54	4°52	8°53	9°54	8°41	11° 1	W27
T 28	20 49 46	11° 8'12	20°16	13°36	15°31	27°25	18°25	24°41	16°26	28°53	4°53	8°47	9°50	8°48	11° 4	T 28
F 29	20 53 43	12° 5'52	2♑52	15°35	16°44	28° 3	18°32	24°44	16°29	28°52	4°55	8°40	9°47	8°55	11° 7	F 29
S 30	20 57 39	13° 3'33	15°16	17°32	17°57	28°42	18°38	24°48	16°33	28°51	4°57	8°30	9°44	9° 1	11°10	S 30
S 31	21 1 36	14♌ 1'16	27♑31	19♌28	19♋10	29♍20	18♉44	24♉51	16♌37	28♓50	4♌59	8♈20	9♈41	9♓ 8	11♊13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n40	28s 8	4s46	21n15	2s12	21n12	1s17	8n19	0n48	15n17	1s 3	16n32	2s 2	17n 6	0n40	1s44	1s31	26n22	7n16	4n28	4n29	12s12	18n22	3s38
S 2	22 33	28 23	4 59	21 31	1 58	21 23	1 15	8 4	0 47	15 20	1 3	16 33	2 2	17 5	0 40	1 44	1 31	26 21	7 16	4 23	4 27	12 9	18 22	3 38
S 3	22 26	27 10	4 57	21 47	1 44	21 33	1 12	7 49	0 46	15 23	1 4	16 34	2 2	17 4	0 40	1 44	1 31	26 21	7 16	4 18	4 26	12 6	18 22	3 39
M 4	22 18	24 39	4 42	22 2	1 30	21 43	1 10	7 35	0 45	15 26	1 4	16 36	2 2	17 3	0 40	1 44	1 31	26 20	7 16	4 12	4 25	12 3	18 23	3 39
T 5	22 11	21 4	4 14	22 17	1 16	21 53	1 7	7 20	0 44	15 28	1 4	16 37	2 2	17 2	0 40	1 44	1 31	26 20	7 16	4 8	4 24	11 59	18 23	3 39
W 6	22 2	16 40	3 35	22 30	1 2	22 1	1 4	7 5	0 44	15 31	1 4	16 38	2 2	17 1	0 40	1 44	1 31	26 20	7 16	4 4	4 22	11 56	18 23	3 39
T 7	21 54	11 40	2 47	22 42	0 48	22 10	1 2	6 50	0 43	15 34	1 4	16 39	2 3	17 0	0 40	1 45	1 31	26 19	7 16	4 2	4 21	11 53	18 24	3 40
F 8	21 45	6 16	1 51	22 53	0 35	22 17	0 59	6 35	0 42	15 36	1 4	16 40	2 3	16 59	0 40	1 45	1 31	26 19	7 16	4 0	4 20	11 50	18 24	3 40
S 9	21 35	0 39	0 51	23 3	0 22	22 24	0 56	6 21	0 41	15 39	1 4	16 42	2 3	16 58	0 40	1 45	1 31	26 18	7 16	3 59	4 19	11 47	18 24	3 40
S 10	21 25	5n 2	0n12	23 10	0 9	22 31	0 53	6 5	0 40	15 41	1 4	16 43	2 3	16 57	0 40	1 45	1 31	26 18	7 16	3 59	4 17	11 44	18 25	3 40
M11	21 15	10 38	1 15	23 16	0n 4	22 36	0 51	5 50	0 40	15 44	1 4	16 44	2 3	16 56	0 40	1 45	1 31	26 18	7 16	3 59	4 16	11 40	18 25	3 41
T 12	21 5	15 57	2 16	23 19	0 16	22 42	0 48	5 35	0 39	15 46	1 4	16 45	2 3	16 55	0 40	1 46	1 31	26 17	7 16	3 59	4 15	11 37	18 25	3 41
W13	20 54	20 44	3 13	23 20	0 27	22 46	0 45	5 20	0 38	15 49	1 5	16 46	2 3	16 54	0 40	1 46	1 31	26 17	7 16	3 58	4 14	11 34	18 26	3 41
T 14	20 43	24 41	4 1	23 18	0 38	22 50	0 42	5 5	0 37	15 51	1 5	16 47	2 4	16 53	0 40	1 46	1 31	26 16	7 16	3 57	4 12	11 31	18 26	3 41
F 15	20 31	27 24	4 37	23 14	0 48	22 53	0 39	4 49	0 36	15 53	1 5	16 48	2 4	16 52	0 40	1 46	1 31	26 16	7 16	3 54	4 11	11 28	18 26	3 42
S 16	20 19	28 31	4 58	23 7	0 57	22 56	0 37	4 34	0 36	15 56	1 5	16 49	2 4	16 51	0 40	1 47	1 31	26 15	7 16	3 51	4 10	11 25	18 26	3 42
S 17	20 7	27 44	5 1	22 57	1 5	22 58	0 34	4 19	0 35	15 58	1 5	16 50	2 4	16 50	0 40	1 47	1 31	26 15	7 16	3 47	4 9	11 21	18 27	3 42
M18	19 54	25 0	4 45	22 45	1 13	22 59	0 31	4 3	0 34	16 0	1 5	16 51	2 4	16 49	0 40	1 47	1 32	26 15	7 16	3 43	4 7	11 18	18 27	3 43
T 19	19 41	20 33	4 8	22 30	1 20	23 0	0 28	3 48	0 33	16 2	1 5	16 52	2 4	16 47	0 40	1 48	1 32	26 14	7 16	3 39	4 6	11 15	18 27	3 43
W20	19 28	14 46	3 14	22 12	1 26	23 0	0 25	3 32	0 32	16 4	1 5	16 53	2 4	16 46	0 40	1 48	1 32	26 14	7 16	3 36	4 5	11 12	18 27	3 43
T 21	19 14	8 10	2 7	21 52	1 31	22 59	0 22	3 16	0 32	16 6	1 6	16 54	2 5	16 45	0 40	1 48	1 32	26 14	7 16	3 35	4 4	11 9	18 27	3 44
F 22	19 1	1 13	0 53	21 30	1 36	22 58	0 19	3 1	0 31	16 8	1 6	16 55	2 5	16 44	0 40	1 49	1 32	26 13	7 16	3 34	4 2	11 5	18 28	3 44
S 23	18 46	5s39	0s24	21 5	1 39	22 56	0 17	2 45	0 30	16 10	1 6	16 56	2 5	16 43	0 40	1 49	1 32	26 13	7 16	3 34	4 1	11 2	18 28	3 44
S 24	18 32	12 5	1 37	20 38	1 42	22 53	0 14	2 29	0 29	16 12	1 6	16 56	2 5	16 42	0 40	1 50	1 32	26 12	7 17	3 34	4 0	10 59	18 28	3 44
M25	18 17	17 47	2 43	20 9	1 44	22 50	0 11	2 14	0 29	16 14	1 6	16 57	2 5	16 41	0 40	1 50	1 32	26 12	7 17	3 34	3 59	10 56	18 28	3 45
T 26	18 2	22 28	3 38	19 38	1 46	22 46	0 8	1 58	0 28	16 16	1 6	16 58	2 5	16 40	0 40	1 50	1 32	26 12	7 17	3 33	3 57	10 52	18 28	3 45
W27	17 46	25 56	4 21	19 5	1 46	22 41	0 5	1 42	0 27	16 18	1 6	16 59	2 6	16 39	0 40	1 51	1 32	26 11	7 17	3 32	3 56	10 49	18 28	3 45
T 28	17 31	28 0	4 49	18 31	1 46	22 36	0 3	1 26	0 26	16 19	1 6	16 59	2 6	16 37	0 40	1 51	1 32	26 11	7 17	3 30	3 55	10 46	18 28	3 46
F 29	17 14	28 34	5 3	17 55	1 46	22 30	0n 0	1 10	0 26	16 21	1 7	17 0	2 6	16 36	0 40	1 52	1 32	26 10	7 17	3 27	3 54	10 43	18 29	3 46
S 30	16 58	27 41	5 3	17 18	1 44	22 23	0 3	0 54	0 25	16 23	1 7	17 1	2 6	16 35	0 40	1 52	1 32	26 10	7 17	3 23	3 52	10 40	18 29	3 46
S 31	16n42	25s28	4s48	16n40	1n42	22n16	0n 6	0n38	0n24	16n24	1s 7	17n 1	2s 6	16n34	0n40	1s53	1s32	26n10	7n17	3n19	3n51	10s36	18n29	3s47

Julian Day Number = 2161365.5, Delta T = 13m10s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'43, Lahiri = 12°46'43 Julian Calendar 1 July 1205 == Greg. Calendar 8 July 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

AUGUST 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 5 33	14♌59'00	9♒37	21♌23	20♋23	29♍58	18♉50	24♉54	16♌40	28°R49	5♌ 1	8°R10	9♈38	9♓15	11♊16	M 1
T 2	21 9 29	15°56'45	21°35	23°17	21°35	0♎37	18°56	24°58	16°44	28♓47	5° 2	8♈ 2	9°35	9°21	11°19	T 2
W 3	21 13 26	16°54'32	3♓28	25° 9	22°48	1°15	19° 2	25° 1	16°48	28°46	5° 4	7°55	9°31	9°28	11°22	W 3
T 4	21 17 22	17°52'20	15°17	27° 0	24° 1	1°54	19° 7	25° 4	16°52	28°45	5° 6	7°50	9°28	9°35	11°24	T 4
F 5	21 21 19	18°50'10	27° 4	28°49	25°15	2°32	19°13	25° 6	16°55	28°44	5° 8	7°47	9°25	9°41	11°27	F 5
S 6	21 25 15	19°48'01	8♈53	0♍37	26°28	3°11	19°18	25° 9	16°59	28°43	5°10	7°D46	9°22	9°48	11°30	S 6
S 7	21 29 12	20°45'55	20°48	2°24	27°41	3°50	19°23	25°12	17° 3	28°42	5°11	7°47	9°19	9°55	11°32	S 7
M 8	21 33 8	21°43'50	2♉53	4° 9	28°54	4°29	19°28	25°15	17° 7	28°40	5°13	7°48	9°16	10° 1	11°35	M 8
T 9	21 37 5	22°41'47	15°12	5°54	0♌ 7	5° 8	19°32	25°17	17°10	28°39	5°15	7°50	9°12	10° 8	11°37	T 9
W10	21 41 2	23°39'46	27°51	7°36	1°21	5°47	19°37	25°19	17°14	28°38	5°17	7°R50	9° 9	10°15	11°40	W10
T 11	21 44 58	24°37'47	10♊54	9°18	2°34	6°26	19°41	25°22	17°18	28°37	5°18	7°48	9° 6	10°21	11°42	T 11
F 12	21 48 55	25°35'49	24°24	10°58	3°48	7° 5	19°45	25°24	17°22	28°35	5°20	7°45	9° 3	10°28	11°44	F 12
S 13	21 52 51	26°33'54	8♋23	12°37	5° 1	7°44	19°49	25°26	17°25	28°34	5°22	7°41	9° 0	10°35	11°47	S 13
S 14	21 56 48	27°32'01	22°50	14°15	6°15	8°24	19°53	25°28	17°29	28°33	5°23	7°35	8°56	10°41	11°49	S 14
M15	22 0 44	28°30'10	7♌41	15°52	7°28	9° 3	19°57	25°30	17°33	28°31	5°25	7°29	8°53	10°48	11°51	M15
T 16	22 4 41	29°28'20	22°47	17°27	8°42	9°42	20° 0	25°32	17°36	28°30	5°27	7°24	8°50	10°55	11°53	T 16
W17	22 8 37	0♍26'32	8♍ 1	19° 1	9°56	10°22	20° 3	25°33	17°40	28°28	5°29	7°20	8°47	11° 1	11°55	W17
T 18	22 12 34	1°24'46	23°10	20°34	11° 9	11° 2	20° 6	25°35	17°44	28°27	5°30	7°17	8°44	11° 8	11°57	T 18
F 19	22 16 31	2°23'02	8♎ 7	22° 6	12°23	11°41	20° 9	25°36	17°47	28°25	5°32	7°D17	8°41	11°15	11°59	F 19
S 20	22 20 27	3°21'19	22°45	23°36	13°37	12°21	20°12	25°38	17°51	28°24	5°34	7°17	8°37	11°21	12° 0	S 20
S 21	22 24 24	4°19'38	6♏58	25° 5	14°51	13° 1	20°14	25°39	17°55	28°22	5°35	7°19	8°34	11°28	12° 2	S 21
M22	22 28 20	5°17'58	20°46	26°34	16° 5	13°41	20°17	25°40	17°58	28°21	5°37	7°20	8°31	11°35	12° 4	M22
T 23	22 32 17	6°16'20	4♐10	28° 0	17°18	14°21	20°19	25°41	18° 2	28°19	5°38	7°R21	8°28	11°41	12° 5	T 23
W24	22 36 13	7°14'44	17°12	29°26	18°32	15° 1	20°21	25°42	18° 6	28°18	5°40	7°20	8°25	11°48	12° 7	W24
T 25	22 40 10	8°13'09	29°54	0♎50	19°46	15°41	20°22	25°43	18° 9	28°16	5°42	7°19	8°21	11°55	12° 8	T 25
F 26	22 44 6	9°11'36	12♑20	2°13	21° 0	16°21	20°24	25°43	18°13	28°15	5°43	7°16	8°18	12° 1	12° 9	F 26
S 27	22 48 3	10°10'04	24°34	3°35	22°15	17° 1	20°25	25°44	18°16	28°13	5°45	7°12	8°15	12° 8	12°11	S 27
S 28	22 52 0	11° 8'34	6♒38	4°55	23°29	17°41	20°26	25°44	18°20	28°12	5°46	7° 7	8°12	12°15	12°12	S 28
M29	22 55 56	12° 7'06	18°35	6°14	24°43	18°22	20°27	25°45	18°23	28°10	5°48	7° 3	8° 9	12°21	12°13	M29
T 30	22 59 53	13° 5'40	0♓27	7°32	25°57	19° 2	20°28	25°45	18°27	28° 9	5°49	6°59	8° 6	12°28	12°14	T 30
W31	23 3 49	14♍ 4'16	12♓16	8♎48	27♌11	19♎43	20♉29	25♉45	18♌30	28♓ 7	5♌51	6♈56	8♈ 2	12♓35	12♊15	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n25	22s 7	4s21	16n 1	1n40	22n 8	0n 8	0n22	0n23	16n26	1s 7	17n 2	2s 6	16n33	0n40	1s53	1s32	26n 9	7n17	3n15	3n50	10s33	18n29	3s47
T 2	16 8	17 52	3 42	15 21	1 37	21 59	0 11	0 6	0 23	16 27	1 7	17 3	2 7	16 32	0 40	1 54	1 32	26 9	7 17	3 12	3 49	10 30	18 29	3 47
W 3	15 50	12 59	2 54	14 40	1 34	21 50	0 14	0s10	0 22	16 29	1 7	17 3	2 7	16 31	0 40	1 54	1 32	26 9	7 17	3 9	3 47	10 27	18 29	3 48
T 4	15 33	7 38	1 58	13 59	1 30	21 40	0 17	0 26	0 21	16 30	1 7	17 4	2 7	16 29	0 40	1 55	1 32	26 8	7 18	3 7	3 46	10 23	18 29	3 48
F 5	15 15	2 3	0 58	13 17	1 26	21 30	0 19	0 42	0 20	16 31	1 7	17 4	2 7	16 28	0 40	1 55	1 32	26 8	7 18	3 6	3 45	10 20	18 29	3 48
S 6	14 57	3n38	0n 6	12 34	1 21	21 19	0 22	0 58	0 20	16 33	1 8	17 5	2 7	16 27	0 40	1 56	1 32	26 8	7 18	3 6	3 44	10 17	18 29	3 49
S 7	14 38	9 14	1 10	11 51	1 16	21 7	0 24	1 15	0 19	16 34	1 8	17 5	2 7	16 26	0 40	1 56	1 32	26 7	7 18	3 6	3 42	10 14	18 29	3 49
M 8	14 19	14 35	2 12	11 8	1 11	20 54	0 27	1 31	0 18	16 35	1 8	17 6	2 8	16 25	0 40	1 57	1 32	26 7	7 18	3 7	3 41	10 10	18 29	3 49
T 9	14 1	19 28	3 9	10 24	1 5	20 41	0 29	1 47	0 17	16 36	1 8	17 6	2 8	16 24	0 40	1 57	1 33	26 7	7 18	3 7	3 40	10 7	18 29	3 50
W10	13 42	23 38	3 58	9 40	0 59	20 28	0 32	2 3	0 17	16 37	1 8	17 6	2 8	16 23	0 40	1 58	1 33	26 6	7 18	3 7	3 39	10 4	18 29	3 50
T 11	13 22	26 45	4 37	8 56	0 53	20 14	0 34	2 19	0 16	16 38	1 8	17 7	2 8	16 22	0 40	1 58	1 33	26 6	7 18	3 7	3 37	10 1	18 29	3 51
F 12	13 3	28 27	5 2	8 12	0 47	19 59	0 37	2 35	0 15	16 39	1 8	17 7	2 8	16 20	0 40	1 59	1 33	26 6	7 19	3 5	3 36	9 57	18 29	3 51
S 13	12 43	28 26	5 10	7 28	0 40	19 43	0 39	2 52	0 14	16 40	1 9	17 8	2 8	16 19	0 40	1 59	1 33	26 5	7 19	3 4	3 35	9 54	18 29	3 51
S 14	12 23	26 31	4 59	6 44	0 33	19 28	0 41	3 8	0 14	16 41	1 9	17 8	2 9	16 18	0 40	2 0	1 33	26 5	7 19	3 1	3 34	9 51	18 29	3 52
M15	12 3	22 45	4 29	6 0	0 26	19 11	0 43	3 24	0 13	16 42	1 9	17 8	2 9	16 17	0 40	2 1	1 33	26 5	7 19	2 59	3 32	9 48	18 28	3 52
T 16	11 42	17 25	3 39	5 16	0 19	18 54	0 46	3 40	0 12	16 43	1 9	17 8	2 9	16 16	0 40	2 1	1 33	26 5	7 19	2 57	3 31	9 44	18 28	3 52
W17	11 22	10 58	2 33	4 32	0 11	18 36	0 48	3 57	0 12	16 43	1 9	17 9	2 9	16 15	0 40	2 2	1 33	26 4	7 19	2 55	3 30	9 41	18 28	3 53
T 18	11 1	3 53	1 16	3 49	0 4	18 18	0 50	4 13	0 11	16 44	1 9	17 9	2 9	16 14	0 40	2 2	1 33	26 4	7 20	2 54	3 29	9 38	18 28	3 53
F 19	10 40	3s18	0s 5	3 6	0s 4	18 0	0 52	4 29	0 10	16 45	1 9	17 9	2 10	16 13	0 40	2 3	1 33	26 4	7 20	2 54	3 27	9 34	18 28	3 54
S 20	10 19	10 11	1 24	2 22	0 11	17 40	0 54	4 45	0 9	16 45	1 10	17 9	2 10	16 11	0 40	2 4	1 33	26 4	7 20	2 54	3 26	9 31	18 28	3 54
S 21	9 58	16 20	2 35	1 40	0 19	17 21	0 56	5 2	0 9	16 46	1 10	17 9	2 10	16 10	0 40	2 4	1 33	26 3	7 20	2 55	3 25	9 28	18 28	3 54
M22	9 37	21 29	3 36	0 57	0 27	17 1	0 58	5 18	0 8	16 46	1 10	17 9	2 10	16 9	0 40	2 5	1 33	26 3	7 20	2 55	3 24	9 25	18 28	3 55
T 23	9 15	25 22	4 22	0 15	0 35	16 40	1 0	5 34	0 7	16 47	1 10	17 9	2 10	16 8	0 40	2 5	1 33	26 3	7 20	2 56	3 22	9 21	18 27	3 55
W24	8 53	27 48	4 54	0s26	0 43	16 19	1 2	5 50	0 7	16 47	1 10	17 9	2 11	16 7	0 41	2 6	1 33	26 2	7 21	2 56	3 21	9 18	18 27	3 55
T 25	8 31	28 43	5 11	1 7	0 52	15 57	1 3	6 6	0 6	16 47	1 10	17 9	2 11	16 6	0 41	2 7	1 33	26 2	7 21	2 55	3 20	9 15	18 27	3 56
F 26	8 9	28 9	5 12	1 48	1 0	15 35	1 5	6 23	0 5	16 48	1 10	17 9	2 11	16 5	0 41	2 7	1 33	26 2	7 21	2 54	3 18	9 11	18 27	3 56
S 27	7 47	26 12	4 59	2 28	1 8	15 13	1 7	6 39	0 4	16 48	1 11	17 9	2 11	16 4	0 41	2 8	1 33	26 2	7 21	2 52	3 17	9 8	18 27	3 57
S 28	7 25	23 6	4 33	3 8	1 16	14 50	1 8	6 55	0 4	16 48	1 11	17 9	2 11	16 3	0 41	2 9	1 33	26 2	7 21	2 50	3 16	9 5	18 26	3 57
M29	7 3	19 3	3 55	3 46	1 24	14 26	1 10	7 11	0 3	16 48	1 11	17 9	2 11	16 2	0 41	2 9	1 33	26 1	7 21	2 49	3 15	9 2	18 26	3 57
T 30	6 40	14 17	3 7	4 25	1 32	14 3	1 11	7 27	0 2	16 48	1 11	17 9	2 12	16 1	0 41	2 10	1 33	26 1	7 22	2 47	3 13	8 58	18 26	3 58
W31	6n18	9s 1	2s12	5s 2	1s40	13n38	1n13	7s43	0n 2	16n48	1s11	17n 9	2s12	15n59	0n41	2s11	1s33	26n 1	7n22	2n46	3n12	8s55	18n25	3s58

Julian Day Number = 2161396.5, Delta T = 13m10s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'47, Lahiri = 12°46'47 Julian Calendar 1 Aug. 1205 == Greg. Calendar 8 Aug. 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

SEPTEMBER 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 46	15♍ 2'53	24♓ 5	10♎ 2	28♌26	20♎23	20♉29	25°R45	18♌34	28°R 5	5♌52	6°R54	7♈59	12♓41	12♊16	T 1
F 2	23 11 42	16° 1'33	5♈55	11°15	29°40	21° 4	20°R29	25♉45	18°37	28♓ 4	5°54	6°D54	7°56	12°48	12°17	F 2
S 3	23 15 39	17° 0'15	17°49	12°26	0♍54	21°45	20°29	25°45	18°41	28° 2	5°55	6♈54	7°53	12°55	12°17	S 3
S 4	23 19 35	17°58'59	29°49	13°35	2° 9	22°25	20°29	25°45	18°44	28° 1	5°57	6°55	7°50	13° 1	12°18	S 4
M 5	23 23 32	18°57'45	11♉59	14°42	3°23	23° 6	20°28	25°44	18°47	27°59	5°58	6°57	7°47	13° 8	12°19	M 5
T 6	23 27 28	19°56'33	24°22	15°47	4°37	23°47	20°27	25°44	18°51	27°57	6° 0	6°58	7°43	13°15	12°19	T 6
W 7	23 31 25	20°55'24	7♊ 1	16°50	5°52	24°28	20°27	25°43	18°54	27°56	6° 1	6°59	7°40	13°21	12°20	W 7
T 8	23 35 22	21°54'17	20° 1	17°51	7° 7	25° 9	20°26	25°42	18°57	27°54	6° 2	7°R 0	7°37	13°28	12°20	T 8
F 9	23 39 18	22°53'13	3♋25	18°49	8°21	25°50	20°24	25°41	19° 1	27°52	6° 4	6°59	7°34	13°35	12°20	F 9
S 10	23 43 15	23°52'11	17°14	19°44	9°36	26°31	20°23	25°41	19° 4	27°51	6° 5	6°58	7°31	13°41	12°21	S 10
S 11	23 47 11	24°51'11	1♌29	20°36	10°50	27°13	20°21	25°39	19° 7	27°49	6° 6	6°57	7°27	13°48	12°21	S 11
M12	23 51 8	25°50'13	16° 7	21°25	12° 5	27°54	20°19	25°38	19°10	27°47	6° 8	6°56	7°24	13°55	12°21	M12
T 13	23 55 4	26°49'18	1♍ 4	22°10	13°20	28°35	20°17	25°37	19°13	27°46	6° 9	6°55	7°21	14° 1	12°R21	T 13
W14	23 59 1	27°48'25	16°12	22°52	14°34	29°17	20°15	25°36	19°17	27°44	6°10	6°54	7°18	14° 8	12°21	W14
T 15	0 2 57	28°47'34	1♎23	23°29	15°49	29°58	20°12	25°34	19°20	27°42	6°11	6°D53	7°15	14°14	12°21	T 15
F 16	0 6 54	29°46'45	16°26	24° 1	17° 4	0♏40	20°10	25°33	19°23	27°41	6°13	6°53	7°12	14°21	12°21	F 16
S 17	0 10 51	0♎45'58	1♏13	24°29	18°19	1°22	20° 7	25°31	19°26	27°39	6°14	6°54	7° 8	14°28	12°20	S 17
S 18	0 14 47	1°45'13	15°38	24°51	19°34	2° 3	20° 4	25°29	19°29	27°37	6°15	6°54	7° 5	14°34	12°20	S 18
M19	0 18 44	2°44'29	29°37	25° 8	20°49	2°45	20° 0	25°27	19°32	27°36	6°16	6°55	7° 2	14°41	12°19	M19
T 20	0 22 40	3°43'48	13♐ 9	25°18	22° 3	3°27	19°57	25°25	19°35	27°34	6°17	6°55	6°59	14°48	12°19	T 20
W21	0 26 37	4°43'09	26°16	25°R21	23°18	4° 9	19°53	25°23	19°38	27°32	6°18	6°55	6°56	14°54	12°18	W21
T 22	0 30 33	5°42'31	8♑59	25°16	24°33	4°51	19°49	25°21	19°41	27°31	6°19	6°R55	6°53	15° 1	12°18	T 22
F 23	0 34 30	6°41'55	21°24	25° 4	25°48	5°33	19°45	25°18	19°43	27°29	6°20	6°D55	6°49	15° 8	12°17	F 23
S 24	0 38 26	7°41'21	3♒33	24°44	27° 3	6°15	19°41	25°16	19°46	27°27	6°21	6°55	6°46	15°14	12°16	S 24
S 25	0 42 23	8°40'49	15°31	24°16	28°18	6°57	19°37	25°14	19°49	27°26	6°22	6°55	6°43	15°21	12°15	S 25
M26	0 46 20	9°40'19	27°23	23°39	29°33	7°40	19°32	25°11	19°52	27°24	6°23	6°56	6°40	15°28	12°14	M26
T 27	0 50 16	10°39'50	9♓12	22°54	0♎48	8°22	19°27	25° 8	19°54	27°22	6°24	6°56	6°37	15°34	12°13	T 27
W28	0 54 13	11°39'24	21° 0	22° 1	2° 3	9° 4	19°23	25° 5	19°57	27°21	6°25	6°56	6°33	15°41	12°12	W28
T 29	0 58 9	12°38'59	2♈52	21° 0	3°18	9°47	19°17	25° 3	20° 0	27°19	6°26	6°R57	6°30	15°48	12°11	T 29
F 30	1 2 6	13♎38'36	14♈48	19♎54	4♎34	10♏29	19♉12	25♉ 0	20♌ 2	27♓18	6♌27	6♈57	6♈27	15♓54	12♊10	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n55	3s26	1s10	5s39	1s48	13n14	1n14	7s59	0n 1	16n48	1s11	17n 9	2s12	15n58	0n41	2s11	1s33	26n 1	7n22	2n45	3n11	8s52	18n25	3s59
F 2	5 32	2n17	0 5	6 15	1 56	12 49	1 15	8 15	0 0	16 48	1 11	17 8	2 12	15 57	0 41	2 12	1 33	26 1	7 22	2 45	3 10	8 48	18 25	3 59
S 3	5 9	7 56	1n 0	6 50	2 4	12 24	1 17	8 31	0s 0	16 48	1 12	17 8	2 12	15 56	0 41	2 13	1 33	26 0	7 22	2 45	3 8	8 45	18 25	3 59
S 4	4 46	13 23	2 3	7 24	2 12	11 58	1 18	8 47	0 1	16 48	1 12	17 8	2 12	15 55	0 41	2 13	1 33	26 0	7 23	2 46	3 7	8 42	18 24	4 0
M 5	4 23	18 23	3 2	7 57	2 19	11 32	1 19	9 3	0 2	16 47	1 12	17 8	2 13	15 54	0 41	2 14	1 33	26 0	7 23	2 46	3 6	8 38	18 24	4 0
T 6	4 0	22 43	3 53	8 29	2 26	11 6	1 20	9 18	0 2	16 47	1 12	17 7	2 13	15 53	0 41	2 15	1 33	26 0	7 23	2 47	3 5	8 35	18 24	4 1
W 7	3 37	26 5	4 35	9 0	2 34	10 39	1 21	9 34	0 3	16 47	1 12	17 7	2 13	15 52	0 41	2 15	1 33	26 0	7 23	2 47	3 3	8 32	18 23	4 1
T 8	3 13	28 12	5 3	9 30	2 40	10 12	1 22	9 50	0 4	16 46	1 12	17 7	2 13	15 51	0 41	2 16	1 33	26 0	7 23	2 47	3 2	8 28	18 23	4 1
F 9	2 50	28 46	5 16	9 58	2 47	9 45	1 23	10 6	0 4	16 46	1 12	17 6	2 13	15 50	0 41	2 17	1 33	25 59	7 24	2 47	3 1	8 25	18 23	4 2
S 10	2 27	27 35	5 12	10 25	2 53	9 18	1 23	10 21	0 5	16 45	1 12	17 6	2 14	15 49	0 41	2 17	1 33	25 59	7 24	2 47	3 0	8 22	18 22	4 2
S 11	2 3	24 36	4 48	10 51	3 0	8 50	1 24	10 37	0 6	16 45	1 13	17 6	2 14	15 48	0 41	2 18	1 33	25 59	7 24	2 46	2 58	8 18	18 22	4 3
M12	1 40	19 59	4 6	11 15	3 5	8 22	1 25	10 52	0 6	16 44	1 13	17 5	2 14	15 47	0 41	2 19	1 33	25 59	7 24	2 46	2 57	8 15	18 22	4 3
T 13	1 16	14 2	3 6	11 37	3 10	7 54	1 25	11 8	0 7	16 44	1 13	17 5	2 14	15 46	0 41	2 19	1 33	25 59	7 25	2 45	2 56	8 12	18 21	4 3
W14	0 53	7 11	1 52	11 57	3 15	7 25	1 26	11 23	0 8	16 43	1 13	17 4	2 14	15 45	0 41	2 20	1 33	25 59	7 25	2 45	2 55	8 9	18 21	4 4
T 15	0 29	0s 5	0 31	12 14	3 19	6 56	1 26	11 39	0 8	16 42	1 13	17 4	2 14	15 44	0 41	2 21	1 33	25 59	7 25	2 45	2 53	8 5	18 20	4 4
F 16	0 5	7 18	0s53	12 30	3 23	6 27	1 27	11 54	0 9	16 41	1 13	17 3	2 15	15 43	0 41	2 21	1 33	25 59	7 25	2 45	2 52	8 2	18 20	4 5
S 17	0s18	14 0	2 11	12 43	3 26	5 58	1 27	12 9	0 10	16 40	1 13	17 3	2 15	15 42	0 41	2 22	1 33	25 59	7 26	2 45	2 51	7 59	18 19	4 5
S 18	0 42	19 46	3 19	12 53	3 28	5 29	1 27	12 24	0 10	16 39	1 13	17 2	2 15	15 42	0 41	2 23	1 33	25 59	7 26	2 45	2 50	7 55	18 19	4 5
M19	1 6	24 16	4 13	13 0	3 29	5 0	1 27	12 39	0 11	16 38	1 13	17 1	2 15	15 41	0 41	2 23	1 33	25 58	7 26	2 45	2 48	7 52	18 19	4 6
T 20	1 29	27 17	4 51	13 4	3 29	4 30	1 27	12 54	0 12	16 37	1 14	17 1	2 15	15 40	0 41	2 24	1 33	25 58	7 26	2 45	2 47	7 48	18 18	4 6
W21	1 53	28 42	5 12	13 4	3 28	4 0	1 27	13 9	0 12	16 36	1 14	17 0	2 15	15 39	0 41	2 25	1 33	25 58	7 27	2 46	2 46	7 45	18 18	4 7
T 22	2 17	28 31	5 18	13 1	3 26	3 31	1 27	13 24	0 13	16 35	1 14	17 0	2 15	15 38	0 41	2 25	1 33	25 58	7 27	2 46	2 44	7 42	18 17	4 7
F 23	2 40	26 54	5 8	12 53	3 23	3 1	1 27	13 39	0 14	16 34	1 14	16 59	2 16	15 37	0 41	2 26	1 33	25 58	7 27	2 46	2 43	7 38	18 17	4 7
S 24	3 4	24 3	4 44	12 41	3 18	2 30	1 27	13 53	0 14	16 33	1 14	16 58	2 16	15 36	0 41	2 27	1 33	25 58	7 27	2 46	2 42	7 35	18 16	4 8
S 25	3 27	20 12	4 9	12 24	3 11	2 0	1 27	14 8	0 15	16 32	1 14	16 57	2 16	15 35	0 41	2 27	1 33	25 58	7 28	2 46	2 41	7 32	18 16	4 8
M26	3 51	15 36	3 23	12 3	3 3	1 30	1 27	14 22	0 16	16 30	1 14	16 57	2 16	15 35	0 41	2 28	1 33	25 58	7 28	2 46	2 39	7 28	18 15	4 9
T 27	4 14	10 27	2 28	11 36	2 52	1 0	1 26	14 37	0 16	16 29	1 14	16 56	2 16	15 34	0 41	2 28	1 33	25 58	7 28	2 46	2 38	7 25	18 15	4 9
W28	4 38	4 55	1 27	11 5	2 40	0 29	1 26	14 51	0 17	16 28	1 14	16 55	2 16	15 33	0 41	2 29	1 33	25 58	7 28	2 46	2 37	7 22	18 14	4 9
T 29	5 1	0n48	0 23	10 29	2 26	0s 1	1 25	15 5	0 17	16 26	1 14	16 54	2 16	15 32	0 41	2 30	1 33	25 58	7 29	2 46	2 36	7 18	18 14	4 10
F 30	5s24	6n31	0n43	9s50	2s11	0s31	1n25	15s19	0s18	16n25	1s14	16n53	2s16	15n31	0n41	2s30	1s33	25n58	7n29	2n46	2n34	7s15	18n13	4s10

Julian Day Number = 2161427.5, Delta T = 13m10s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'51, Lahiri = 12°46'52 Julian Calendar 1 Sept. 1205 == Greg. Calendar 8 Sept. 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

OCTOBER 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 2	14♎38'15	26♈51	18°R42	5♎49	11♏12	19°R 7	24°R57	20♌ 5	27°R16	6♌28	6°R56	6♈24	16♓ 1	12°R 8	S 1
S 2	1 9 59	15°37'57	9♉ 3	17♎28	7° 4	11°54	19♉ 1	24♉53	20° 7	27♓15	6°29	6♈55	6°21	16° 8	12♊ 7	S 2
M 3	1 13 55	16°37'40	21°26	16°13	8°19	12°37	18°56	24°50	20°10	27°13	6°30	6°54	6°18	16°14	12° 6	M 3
T 4	1 17 52	17°37'26	4♊ 1	14°59	9°34	13°20	18°50	24°47	20°12	27°11	6°30	6°53	6°14	16°21	12° 4	T 4
W 5	1 21 49	18°37'14	16°50	13°49	10°49	14° 3	18°44	24°43	20°15	27°10	6°31	6°51	6°11	16°28	12° 3	W 5
T 6	1 25 45	19°37'05	29°54	12°45	12° 5	14°46	18°37	24°40	20°17	27° 8	6°32	6°50	6° 8	16°34	12° 1	T 6
F 7	1 29 42	20°36'58	13♋17	11°48	13°20	15°29	18°31	24°36	20°19	27° 7	6°33	6°49	6° 5	16°41	11°59	F 7
S 8	1 33 38	21°36'52	26°58	11° 0	14°35	16°12	18°25	24°33	20°22	27° 5	6°33	6°D49	6° 2	16°48	11°57	S 8
S 9	1 37 35	22°36'50	10♌58	10°23	15°50	16°55	18°18	24°29	20°24	27° 4	6°34	6°50	5°59	16°54	11°56	S 9
M10	1 41 31	23°36'49	25°18	9°57	17° 6	17°38	18°11	24°25	20°26	27° 2	6°35	6°51	5°55	17° 1	11°54	M10
T 11	1 45 28	24°36'50	9♍54	9°42	18°21	18°21	18° 4	24°21	20°28	27° 1	6°35	6°52	5°52	17° 7	11°52	T 11
W12	1 49 24	25°36'54	24°42	9°D39	19°36	19° 4	17°57	24°17	20°30	27° 0	6°36	6°53	5°49	17°14	11°50	W12
T 13	1 53 21	26°37'00	9♎36	9°47	20°52	19°48	17°50	24°13	20°32	26°58	6°36	6°R53	5°46	17°21	11°47	T 13
F 14	1 57 18	27°37'07	24°29	10° 6	22° 7	20°31	17°43	24° 9	20°34	26°57	6°37	6°53	5°43	17°27	11°45	F 14
S 15	2 1 14	28°37'17	9♏12	10°34	23°22	21°15	17°36	24° 5	20°36	26°55	6°37	6°51	5°39	17°34	11°43	S 15
S 16	2 5 11	29°37'29	23°38	11°12	24°38	21°58	17°28	24° 1	20°38	26°54	6°38	6°48	5°36	17°41	11°41	S 16
M17	2 9 7	0♏37'42	7♐43	11°58	25°53	22°42	17°21	23°57	20°40	26°53	6°38	6°44	5°33	17°47	11°38	M17
T 18	2 13 4	1°37'57	21°22	12°51	27° 8	23°26	17°13	23°52	20°42	26°51	6°39	6°41	5°30	17°54	11°36	T 18
W19	2 17 0	2°38'13	4♑34	13°50	28°24	24° 9	17° 6	23°48	20°43	26°50	6°39	6°37	5°27	18° 1	11°33	W19
T 20	2 20 57	3°38'31	17°23	14°56	29°39	24°53	16°58	23°43	20°45	26°49	6°39	6°35	5°24	18° 7	11°31	T 20
F 21	2 24 53	4°38'51	29°50	16° 6	0♏54	25°37	16°50	23°39	20°47	26°48	6°40	6°D34	5°20	18°14	11°28	F 21
S 22	2 28 50	5°39'12	11♒59	17°20	2°10	26°21	16°42	23°34	20°48	26°46	6°40	6°34	5°17	18°21	11°26	S 22
S 23	2 32 47	6°39'34	23°57	18°38	3°25	27° 5	16°34	23°30	20°50	26°45	6°40	6°35	5°14	18°27	11°23	S 23
M24	2 36 43	7°39'58	5♓47	19°59	4°41	27°49	16°26	23°25	20°51	26°44	6°40	6°37	5°11	18°34	11°20	M24
T 25	2 40 40	8°40'23	17°35	21°22	5°56	28°33	16°18	23°21	20°53	26°43	6°41	6°39	5° 8	18°41	11°17	T 25
W26	2 44 36	9°40'50	29°24	22°48	7°12	29°17	16°10	23°16	20°54	26°42	6°41	6°40	5° 4	18°47	11°15	W26
T 27	2 48 33	10°41'18	11♈20	24°15	8°27	0♐ 1	16° 2	23°11	20°55	26°41	6°41	6°R40	5° 1	18°54	11°12	T 27
F 28	2 52 29	11°41'48	23°24	25°44	9°42	0°45	15°54	23° 6	20°57	26°40	6°41	6°39	4°58	19° 1	11° 9	F 28
S 29	2 56 26	12°42'19	5♉40	27°14	10°58	1°30	15°46	23° 2	20°58	26°39	6°41	6°36	4°55	19° 7	11° 6	S 29
S 30	3 0 22	13°42'51	18° 8	28°45	12°13	2°14	15°38	22°57	20°59	26°38	6°41	6°31	4°52	19°14	11° 3	S 30
M31	3 4 19	14♏43'26	0♊50	0♏17	13♏29	2♐59	15♉29	22♉52	21♌ 0	26♓37	6♌41	6♈24	4♈49	19♓21	11♊ 0	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s48	12n 5	1n48	9s 6	1s53	1s 2	1n24	15s33	0s19	16n23	1s14	16n53	2s17	15n31	0n41	2s31	1s33	25n58	7n29	2n46	2n33	7s12	18n13	4s10
S 2	6 11	17 15	2 49	8 21	1 35	1 32	1 23	15 47	0 19	16 22	1 14	16 52	2 17	15 30	0 42	2 32	1 33	25 58	7 29	2 46	2 32	7 8	18 12	4 11
M 3	6 34	21 47	3 43	7 33	1 15	2 3	1 23	16 1	0 20	16 20	1 15	16 51	2 17	15 29	0 42	2 32	1 33	25 58	7 30	2 45	2 31	7 5	18 11	4 11
T 4	6 57	25 24	4 26	6 46	0 54	2 33	1 22	16 14	0 21	16 18	1 15	16 50	2 17	15 28	0 42	2 33	1 33	25 58	7 30	2 44	2 29	7 2	18 11	4 12
W 5	7 20	27 49	4 58	6 0	0 34	3 4	1 21	16 28	0 21	16 17	1 15	16 49	2 17	15 28	0 42	2 33	1 33	25 59	7 30	2 44	2 28	6 58	18 10	4 12
T 6	7 42	28 47	5 14	5 16	0 13	3 34	1 20	16 41	0 22	16 15	1 15	16 48	2 17	15 27	0 42	2 34	1 33	25 59	7 30	2 43	2 27	6 55	18 10	4 12
F 7	8 5	28 6	5 15	4 35	0n 7	4 4	1 19	16 54	0 22	16 13	1 15	16 47	2 17	15 26	0 42	2 35	1 33	25 59	7 31	2 43	2 26	6 51	18 9	4 13
S 8	8 28	25 43	4 57	3 59	0 26	4 34	1 18	17 7	0 23	16 11	1 15	16 46	2 17	15 25	0 42	2 35	1 33	25 59	7 31	2 43	2 24	6 48	18 8	4 13
S 9	8 50	21 45	4 22	3 28	0 44	5 5	1 17	17 20	0 24	16 9	1 15	16 45	2 17	15 25	0 42	2 36	1 33	25 59	7 31	2 43	2 23	6 45	18 8	4 13
M10	9 12	16 26	3 30	3 2	1 0	5 35	1 16	17 33	0 24	16 8	1 15	16 44	2 17	15 24	0 42	2 36	1 33	25 59	7 32	2 44	2 22	6 41	18 7	4 14
T 11	9 35	10 7	2 24	2 43	1 15	6 4	1 15	17 46	0 25	16 6	1 15	16 43	2 18	15 23	0 42	2 37	1 33	25 59	7 32	2 44	2 20	6 38	18 7	4 14
W12	9 57	3 8	1 7	2 30	1 28	6 34	1 13	17 58	0 25	16 4	1 15	16 42	2 18	15 23	0 42	2 37	1 33	25 59	7 32	2 45	2 19	6 35	18 6	4 14
T 13	10 19	4s 3	0s15	2 23	1 39	7 4	1 12	18 11	0 26	16 2	1 15	16 41	2 18	15 22	0 42	2 38	1 33	25 59	7 32	2 45	2 18	6 31	18 5	4 15
F 14	10 40	11 0	1 36	2 21	1 48	7 33	1 11	18 23	0 27	16 0	1 15	16 40	2 18	15 22	0 42	2 39	1 33	25 59	7 33	2 44	2 17	6 28	18 5	4 15
S 15	11 2	17 17	2 49	2 25	1 56	8 3	1 9	18 35	0 27	15 58	1 15	16 39	2 18	15 21	0 42	2 39	1 33	26 0	7 33	2 44	2 15	6 24	18 4	4 16
S 16	11 23	22 28	3 50	2 34	2 2	8 32	1 8	18 47	0 28	15 56	1 15	16 38	2 18	15 21	0 42	2 40	1 33	26 0	7 33	2 43	2 14	6 21	18 4	4 16
M17	11 45	26 13	4 35	2 48	2 7	9 1	1 6	18 59	0 28	15 54	1 15	16 37	2 18	15 20	0 42	2 40	1 33	26 0	7 34	2 41	2 13	6 18	18 3	4 16
T 18	12 6	28 18	5 3	3 5	2 11	9 30	1 5	19 11	0 29	15 51	1 15	16 36	2 18	15 19	0 42	2 41	1 33	26 0	7 34	2 40	2 12	6 14	18 2	4 17
W19	12 26	28 42	5 14	3 27	2 13	9 58	1 3	19 22	0 30	15 49	1 15	16 35	2 18	15 19	0 42	2 41	1 33	26 0	7 34	2 38	2 10	6 11	18 2	4 17
T 20	12 47	27 31	5 9	3 51	2 14	10 27	1 1	19 34	0 30	15 47	1 15	16 33	2 18	15 18	0 42	2 42	1 33	26 0	7 34	2 38	2 9	6 7	18 1	4 17
F 21	13 8	24 59	4 49	4 18	2 14	10 55	1 0	19 45	0 31	15 45	1 15	16 32	2 18	15 18	0 42	2 42	1 33	26 1	7 35	2 37	2 8	6 4	18 0	4 17
S 22	13 28	21 22	4 16	4 47	2 13	11 22	0 58	19 56	0 31	15 43	1 14	16 31	2 18	15 17	0 42	2 42	1 33	26 1	7 35	2 37	2 7	6 1	18 0	4 18
S 23	13 48	16 57	3 33	5 19	2 11	11 50	0 56	20 6	0 32	15 41	1 14	16 30	2 18	15 17	0 42	2 43	1 33	26 1	7 35	2 38	2 5	5 57	17 59	4 18
M24	14 8	11 56	2 41	5 52	2 9	12 17	0 54	20 17	0 32	15 38	1 14	16 29	2 18	15 17	0 42	2 43	1 33	26 1	7 36	2 38	2 4	5 54	17 58	4 18
T 25	14 27	6 30	1 43	6 26	2 5	12 44	0 52	20 28	0 33	15 36	1 14	16 28	2 18	15 16	0 42	2 44	1 33	26 1	7 36	2 39	2 3	5 50	17 58	4 19
W26	14 47	0 51	0 40	7 1	2 2	13 11	0 50	20 38	0 33	15 34	1 14	16 27	2 18	15 16	0 42	2 44	1 33	26 2	7 36	2 40	2 1	5 47	17 57	4 19
T 27	15 6	4n53	0n25	7 37	1 57	13 37	0 48	20 48	0 34	15 32	1 14	16 25	2 18	15 15	0 43	2 45	1 33	26 2	7 36	2 40	2 0	5 44	17 56	4 19
F 28	15 25	10 31	1 30	8 14	1 53	14 3	0 46	20 58	0 35	15 29	1 14	16 24	2 18	15 15	0 43	2 45	1 33	26 2	7 37	2 39	1 59	5 40	17 56	4 20
S 29	15 43	15 51	2 32	8 52	1 48	14 29	0 44	21 7	0 35	15 27	1 14	16 23	2 18	15 15	0 43	2 45	1 33	26 2	7 37	2 38	1 58	5 37	17 55	4 20
S 30	16 1	20 37	3 27	9 29	1 42	14 54	0 42	21 17	0 36	15 25	1 14	16 22	2 18	15 14	0 43	2 46	1 33	26 3	7 37	2 36	1 56	5 33	17 54	4 20
M31	16s20	24n32	4n12	10s 7	1n37	15s19	0n40	21s26	0s36	15n23	1s14	16n21	2s18	15n14	0n43	2s46	1s33	26n 3	7n38	2n33	1n55	5s30	17n54	4s20

Julian Day Number = 2161457.5, Delta T = 13m10s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'55, Lahiri = 12°46'56 Julian Calendar 1 Oct. 1205 == Greg. Calendar 8 Oct. 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

NOVEMBER 1205 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 16	15♏44'02	13♊45	1♏50	14♏44	3♐43	15°R21	22°R47	21♌ 1	26°R36	6°R41	6°R17	4♈45	19♓27	10°R56	T 1
W 2	3 12 12	16°44'39	26°53	3°23	16° 0	4°28	15♉13	22♉42	21° 2	26♓35	6♌41	6♈10	4°42	19°34	10♊53	W 2
T 3	3 16 9	17°45'19	10♋14	4°56	17°15	5°12	15° 5	22°37	21° 3	26°34	6°41	6° 4	4°39	19°40	10°50	T 3
F 4	3 20 5	18°45'59	23°46	6°30	18°31	5°57	14°57	22°32	21° 4	26°33	6°41	5°59	4°36	19°47	10°47	F 4
S 5	3 24 2	19°46'42	7♌30	8° 4	19°46	6°42	14°49	22°27	21° 5	26°32	6°41	5°57	4°33	19°54	10°44	S 5
S 6	3 27 58	20°47'26	21°24	9°38	21° 1	7°26	14°41	22°22	21° 6	26°31	6°41	5°D56	4°30	20° 0	10°40	S 6
M 7	3 31 55	21°48'12	5♍29	11°12	22°17	8°11	14°33	22°18	21° 6	26°30	6°41	5°57	4°26	20° 7	10°37	M 7
T 8	3 35 51	22°48'59	19°44	12°47	23°32	8°56	14°24	22°13	21° 7	26°30	6°41	5°58	4°23	20°14	10°34	T 8
W 9	3 39 48	23°49'48	4♎ 7	14°21	24°48	9°41	14°17	22° 8	21° 8	26°29	6°40	5°R59	4°20	20°20	10°30	W 9
T 10	3 43 45	24°50'39	18°35	15°55	26° 3	10°26	14° 9	22° 3	21° 8	26°28	6°40	5°58	4°17	20°27	10°27	T 10
F 11	3 47 41	25°51'31	3♏ 3	17°29	27°19	11°11	14° 1	21°58	21° 9	26°27	6°40	5°55	4°14	20°34	10°23	F 11
S 12	3 51 38	26°52'24	17°27	19° 4	28°34	11°56	13°53	21°53	21° 9	26°27	6°40	5°50	4°10	20°40	10°20	S 12
S 13	3 55 34	27°53'19	1♐40	20°38	29°50	12°41	13°45	21°48	21°10	26°26	6°39	5°42	4° 7	20°47	10°16	S 13
M14	3 59 31	28°54'14	15°36	22°12	1♐ 5	13°26	13°38	21°43	21°10	26°26	6°39	5°33	4° 4	20°54	10°13	M14
T 15	4 3 27	29°55'11	29°12	23°46	2°21	14°12	13°30	21°38	21°10	26°25	6°38	5°23	4° 1	21° 0	10° 9	T 15
W16	4 7 24	0♐56'09	12♑25	25°21	3°36	14°57	13°22	21°33	21°11	26°25	6°38	5°14	3°58	21° 7	10° 6	W16
T 17	4 11 20	1°57'07	25°16	26°55	4°52	15°42	13°15	21°29	21°11	26°24	6°38	5° 6	3°55	21°14	10° 2	T 17
F 18	4 15 17	2°58'07	7♒45	28°29	6° 7	16°28	13° 8	21°24	21°11	26°24	6°37	5° 1	3°51	21°20	9°58	F 18
S 19	4 19 14	3°59'07	19°56	0♐ 3	7°23	17°13	13° 1	21°19	21°R11	26°23	6°37	4°57	3°48	21°27	9°55	S 19
S 20	4 23 10	5° 0'07	1♓54	1°37	8°38	17°59	12°54	21°14	21°11	26°23	6°36	4°D56	3°45	21°34	9°51	S 20
M21	4 27 7	6° 1'08	13°45	3°11	9°54	18°44	12°47	21°10	21°11	26°23	6°36	4°56	3°42	21°40	9°48	M21
T 22	4 31 3	7° 2'10	25°32	4°45	11° 9	19°30	12°40	21° 5	21°11	26°22	6°35	4°57	3°39	21°47	9°44	T 22
W23	4 35 0	8° 3'12	7♈23	6°20	12°25	20°16	12°33	21° 0	21°10	26°22	6°34	4°R57	3°36	21°53	9°40	W23
T 24	4 38 56	9° 4'15	19°21	7°54	13°40	21° 1	12°27	20°56	21°10	26°22	6°34	4°56	3°32	22° 0	9°37	T 24
F 25	4 42 53	10° 5'18	1♉32	9°28	14°56	21°47	12°20	20°51	21°10	26°22	6°33	4°53	3°29	22° 7	9°33	F 25
S 26	4 46 49	11° 6'22	13°58	11° 3	16°11	22°33	12°14	20°47	21°10	26°21	6°32	4°47	3°26	22°13	9°29	S 26
S 27	4 50 46	12° 7'27	26°42	12°37	17°27	23°19	12° 8	20°42	21° 9	26°21	6°32	4°38	3°23	22°20	9°26	S 27
M28	4 54 43	13° 8'32	9♊44	14°12	18°42	24° 4	12° 2	20°38	21° 9	26°21	6°31	4°27	3°20	22°27	9°22	M28
T 29	4 58 39	14° 9'38	23° 3	15°47	19°58	24°50	11°56	20°34	21° 8	26°21	6°30	4°15	3°16	22°33	9°18	T 29
W30	5 2 36	15♐10'44	6♋37	17♐22	21♐13	25♐36	11♉50	20♉29	21♌ 8	26♓21	6♌29	4♈ 3	3♈13	22♓40	9♊15	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s37	27n17	4n46	10s45	1n31	15s43	0n38	21s35	0s37	15n20	1s14	16n19	2s18	15n14	0n43	2s47	1s33	26n 3	7n38	2n30	1n54	5s27	17n53	4s21
W 2	16 55	28 36	5 5	11 22	1 24	16 8	0 36	21 44	0 37	15 18	1 14	16 18	2 18	15 13	0 43	2 47	1 33	26 4	7 38	2 28	1 53	5 23	17 52	4 21
T 3	17 12	28 17	5 9	12 0	1 18	16 31	0 34	21 53	0 38	15 16	1 13	16 17	2 18	15 13	0 43	2 47	1 33	26 4	7 38	2 25	1 51	5 20	17 52	4 21
F 4	17 29	26 17	4 55	12 37	1 12	16 54	0 31	22 1	0 38	15 13	1 13	16 16	2 18	15 13	0 43	2 48	1 32	26 4	7 39	2 23	1 50	5 16	17 51	4 21
S 5	17 46	22 44	4 24	13 14	1 5	17 17	0 29	22 10	0 39	15 11	1 13	16 15	2 18	15 13	0 43	2 48	1 32	26 4	7 39	2 22	1 49	5 13	17 50	4 22
S 6	18 2	17 51	3 37	13 50	0 58	17 40	0 27	22 18	0 39	15 9	1 13	16 13	2 18	15 12	0 43	2 48	1 32	26 5	7 39	2 22	1 48	5 10	17 49	4 22
M 7	18 18	11 58	2 37	14 26	0 51	18 1	0 25	22 25	0 40	15 7	1 13	16 12	2 18	15 12	0 43	2 48	1 32	26 5	7 40	2 22	1 46	5 6	17 49	4 22
T 8	18 33	5 24	1 27	15 2	0 45	18 23	0 22	22 33	0 40	15 4	1 13	16 11	2 18	15 12	0 43	2 49	1 32	26 5	7 40	2 23	1 45	5 3	17 48	4 22
W 9	18 49	1s30	0 10	15 37	0 38	18 44	0 20	22 40	0 41	15 2	1 13	16 10	2 18	15 12	0 43	2 49	1 32	26 6	7 40	2 23	1 44	4 59	17 47	4 22
T 10	19 4	8 21	1s 8	16 11	0 31	19 4	0 18	22 48	0 41	15 0	1 12	16 9	2 18	15 12	0 43	2 49	1 32	26 6	7 40	2 23	1 43	4 56	17 47	4 23
F 11	19 18	14 47	2 21	16 45	0 24	19 24	0 15	22 55	0 42	14 58	1 12	16 8	2 17	15 12	0 43	2 49	1 32	26 6	7 41	2 22	1 41	4 53	17 46	4 23
S 12	19 33	20 22	3 24	17 17	0 17	19 43	0 13	23 1	0 42	14 56	1 12	16 6	2 17	15 12	0 43	2 50	1 32	26 7	7 41	2 20	1 40	4 49	17 45	4 23
S 13	19 47	24 44	4 14	17 50	0 10	20 2	0 11	23 8	0 43	14 54	1 12	16 5	2 17	15 11	0 43	2 50	1 32	26 7	7 41	2 16	1 39	4 46	17 45	4 23
M14	20 0	27 32	4 48	18 21	0 3	20 20	0 8	23 14	0 43	14 51	1 12	16 4	2 17	15 11	0 43	2 50	1 32	26 7	7 41	2 13	1 37	4 42	17 44	4 23
T 15	20 13	28 36	5 4	18 51	0s 3	20 38	0 6	23 20	0 44	14 49	1 12	16 3	2 17	15 11	0 43	2 50	1 32	26 8	7 42	2 9	1 36	4 39	17 43	4 24
W16	20 26	28 0	5 3	19 21	0 10	20 55	0 3	23 26	0 44	14 47	1 11	16 2	2 17	15 11	0 43	2 50	1 32	26 8	7 42	2 5	1 35	4 35	17 43	4 24
T 17	20 39	25 53	4 47	19 50	0 17	21 11	0 1	23 31	0 45	14 45	1 11	16 1	2 17	15 11	0 43	2 51	1 32	26 9	7 42	2 2	1 34	4 32	17 42	4 24
F 18	20 51	22 33	4 18	20 17	0 23	21 27	0s 1	23 36	0 45	14 43	1 11	15 59	2 17	15 11	0 43	2 51	1 32	26 9	7 43	2 0	1 32	4 29	17 41	4 24
S 19	21 2	18 19	3 37	20 44	0 30	21 42	0 4	23 41	0 46	14 41	1 11	15 58	2 17	15 11	0 44	2 51	1 32	26 9	7 43	1 59	1 31	4 25	17 41	4 24
S 20	21 14	13 27	2 47	21 10	0 36	21 56	0 6	23 46	0 46	14 39	1 11	15 57	2 16	15 11	0 44	2 51	1 32	26 10	7 43	1 58	1 30	4 22	17 40	4 24
M21	21 24	8 8	1 51	21 35	0 43	22 10	0 8	23 50	0 47	14 38	1 10	15 56	2 16	15 11	0 44	2 51	1 32	26 10	7 43	1 58	1 29	4 18	17 39	4 25
T 22	21 35	2 33	0 50	21 59	0 49	22 24	0 11	23 55	0 47	14 36	1 10	15 55	2 16	15 11	0 44	2 51	1 32	26 11	7 44	1 59	1 27	4 15	17 39	4 25
W23	21 45	3n 8	0n13	22 21	0 55	22 36	0 13	23 59	0 48	14 34	1 10	15 54	2 16	15 12	0 44	2 51	1 32	26 11	7 44	1 59	1 26	4 11	17 38	4 25
T 24	21 54	8 47	1 16	22 43	1 0	22 48	0 16	24 2	0 48	14 32	1 10	15 53	2 16	15 12	0 44	2 51	1 32	26 11	7 44	1 58	1 25	4 8	17 37	4 25
F 25	22 4	14 12	2 17	23 3	1 6	22 59	0 18	24 6	0 48	14 30	1 9	15 52	2 16	15 12	0 44	2 51	1 32	26 12	7 44	1 57	1 24	4 5	17 37	4 25
S 26	22 12	19 9	3 12	23 23	1 12	23 10	0 20	24 9	0 49	14 29	1 9	15 51	2 16	15 12	0 44	2 51	1 32	26 12	7 45	1 54	1 22	4 1	17 36	4 25
S 27	22 21	23 22	3 59	23 41	1 17	23 19	0 23	24 12	0 49	14 27	1 9	15 50	2 15	15 12	0 44	2 51	1 32	26 13	7 45	1 51	1 21	3 58	17 36	4 25
M28	22 29	26 32	4 34	23 58	1 22	23 29	0 25	24 14	0 50	14 25	1 9	15 49	2 15	15 12	0 44	2 51	1 31	26 13	7 45	1 47	1 20	3 54	17 35	4 25
T 29	22 36	28 17	4 56	24 14	1 27	23 37	0 27	24 17	0 50	14 24	1 8	15 48	2 15	15 13	0 44	2 51	1 31	26 14	7 45	1 42	1 18	3 51	17 34	4 25
W30	22s43	28n24	5n 1	24s28	1s32	23s45	0s30	24s19	0s51	14n22	1s 8	15n47	2s15	15n13	0n44	2s51	1s31	26n14	7n46	1n37	1n17	3s47	17n34	4s25

Julian Day Number = 2161488.5, Delta T = 13m10s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°39'59, Lahiri = 12°47'00 Julian Calendar 1 Nov. 1205 == Greg. Calendar 8 Nov. 1205

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ASTRODIENST EPHEMERIS for the year 1205
geocentric

DECEMBER 1205 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 32	16♐11'52	20♋23	18♐57	22♐28	26♐22	11°R45	20°R25	21°R 7	26°D21	6°R29	3°R52	3♈10	22♓47	9°R11	T 1
F 2	5 10 29	17°12'59	4♌17	20°32	23°44	27° 8	11♉40	20♉21	21♌ 6	26♓21	6♌28	3♈43	3° 7	22°53	9♊ 8	F 2
S 3	5 14 25	18°14'08	18°17	22° 8	24°59	27°54	11°34	20°17	21° 6	26°21	6°27	3°37	3° 4	23° 0	9° 4	S 3
S 4	5 18 22	19°15'17	2♍20	23°44	26°15	28°41	11°29	20°13	21° 5	26°21	6°26	3°34	3° 1	23° 7	9° 0	S 4
M 5	5 22 19	20°16'26	16°24	25°20	27°30	29°27	11°25	20° 9	21° 4	26°21	6°25	3°D33	2°57	23°13	8°57	M 5
T 6	5 26 15	21°17'37	0♎28	26°56	28°46	0♏13	11°20	20° 5	21° 3	26°21	6°24	3°R33	2°54	23°20	8°53	T 6
W 7	5 30 12	22°18'47	14°33	28°32	0♏ 1	0°59	11°15	20° 2	21° 2	26°22	6°23	3°33	2°51	23°27	8°50	W 7
T 8	5 34 8	23°19'59	28°36	0♏ 9	1°16	1°46	11°11	19°58	21° 1	26°22	6°22	3°31	2°48	23°33	8°46	T 8
F 9	5 38 5	24°21'11	12♏37	1°46	2°32	2°32	11° 7	19°54	21° 0	26°22	6°21	3°26	2°45	23°40	8°43	F 9
S 10	5 42 1	25°22'23	26°33	3°23	3°47	3°18	11° 3	19°51	20°59	26°23	6°21	3°18	2°42	23°46	8°39	S 10
S 11	5 45 58	26°23'36	10♐21	5° 0	5° 3	4° 5	10°59	19°47	20°58	26°23	6°19	3° 8	2°38	23°53	8°36	S 11
M12	5 49 54	27°24'49	23°57	6°37	6°18	4°51	10°56	19°44	20°57	26°23	6°18	2°55	2°35	24° 0	8°32	M12
T 13	5 53 51	28°26'02	7♑18	8°15	7°33	5°38	10°53	19°41	20°56	26°24	6°17	2°41	2°32	24° 6	8°29	T 13
W14	5 57 48	29°27'15	20°21	9°52	8°49	6°24	10°49	19°37	20°54	26°24	6°16	2°28	2°29	24°13	8°26	W14
T 15	6 1 44	0♑28'28	3♒ 5	11°30	10° 4	7°11	10°46	19°34	20°53	26°25	6°15	2°16	2°26	24°20	8°22	T 15
F 16	6 5 41	1°29'41	15°32	13° 8	11°20	7°57	10°44	19°31	20°52	26°25	6°14	2° 7	2°22	24°26	8°19	F 16
S 17	6 9 37	2°30'54	27°42	14°45	12°35	8°44	10°41	19°28	20°50	26°26	6°13	2° 0	2°19	24°33	8°16	S 17
S 18	6 13 34	3°32'06	9♓40	16°22	13°50	9°31	10°39	19°25	20°49	26°26	6°12	1°57	2°16	24°40	8°13	S 18
M19	6 17 30	4°33'17	21°30	17°59	15° 6	10°17	10°37	19°23	20°47	26°27	6°11	1°55	2°13	24°46	8°10	M19
T 20	6 21 27	5°34'28	3♈17	19°35	16°21	11° 4	10°35	19°20	20°46	26°28	6° 9	1°55	2°10	24°53	8° 6	T 20
W21	6 25 23	6°35'39	15° 7	21°11	17°36	11°51	10°33	19°18	20°44	26°28	6° 8	1°55	2° 7	25° 0	8° 3	W21
T 22	6 29 20	7°36'49	27° 6	22°46	18°52	12°38	10°32	19°15	20°42	26°29	6° 7	1°54	2° 3	25° 6	8° 0	T 22
F 23	6 33 17	8°37'58	9♉18	24°19	20° 7	13°24	10°30	19°13	20°41	26°30	6° 6	1°50	2° 0	25°13	7°57	F 23
S 24	6 37 13	9°39'07	21°48	25°52	21°22	14°11	10°29	19°10	20°39	26°30	6° 5	1°44	1°57	25°20	7°54	S 24
S 25	6 41 10	10°40'16	4♊40	27°22	22°38	14°58	10°28	19° 8	20°37	26°31	6° 3	1°36	1°54	25°26	7°51	S 25
M26	6 45 6	11°41'24	17°56	28°51	23°53	15°45	10°28	19° 6	20°35	26°32	6° 2	1°25	1°51	25°33	7°49	M26
T 27	6 49 3	12°42'31	1♋34	0♒17	25° 8	16°32	10°27	19° 4	20°34	26°33	6° 1	1°12	1°48	25°39	7°46	T 27
W28	6 52 59	13°43'38	15°32	1°40	26°23	17°19	10°27	19° 3	20°32	26°34	6° 0	1° 0	1°44	25°46	7°43	W28
T 29	6 56 56	14°44'44	29°45	2°59	27°39	18° 6	10°D27	19° 1	20°30	26°35	5°58	0°48	1°41	25°53	7°40	T 29
F 30	7 0 53	15°45'49	14♌ 7	4°15	28°54	18°53	10°27	18°59	20°28	26°36	5°57	0°39	1°38	25°59	7°38	F 30
S 31	7 4 49	16♑46'55	28♌33	5♒25	0♒ 9	19♑40	10♉27	18♉58	20♌26	26♓37	5♌56	0♈33	1♈35	26♓ 6	7♊35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s50	26n45	4n49	24s41	1s36	23s52	0s32	24s21	0s51	14n21	1s 8	15n46	2s15	15n13	0n44	2s51	1s31	26n14	7n46	1n32	1n16	3s44	17n33	4s25
F 2	22 56	23 29	4 20	24 53	1 41	23 58	0 34	24 22	0 51	14 20	1 8	15 45	2 14	15 13	0 44	2 51	1 31	26 15	7 46	1 29	1 15	3 41	17 32	4 26
S 3	23 1	18 50	3 35	25 3	1 45	24 3	0 36	24 23	0 52	14 18	1 7	15 44	2 14	15 14	0 44	2 51	1 31	26 15	7 46	1 27	1 13	3 37	17 32	4 26
S 4	23 6	13 8	2 37	25 12	1 49	24 8	0 39	24 24	0 52	14 17	1 7	15 43	2 14	15 14	0 44	2 51	1 31	26 16	7 47	1 25	1 12	3 34	17 31	4 26
M 5	23 11	6 46	1 30	25 20	1 52	24 12	0 41	24 25	0 53	14 16	1 7	15 43	2 14	15 14	0 44	2 51	1 31	26 16	7 47	1 25	1 11	3 30	17 31	4 26
T 6	23 15	0 4	0 16	25 26	1 55	24 15	0 43	24 26	0 53	14 14	1 7	15 42	2 14	15 14	0 44	2 51	1 31	26 17	7 47	1 25	1 10	3 27	17 30	4 26
W 7	23 19	6s39	0s58	25 31	1 58	24 18	0 45	24 26	0 53	14 13	1 6	15 41	2 13	15 15	0 44	2 51	1 31	26 17	7 47	1 25	1 8	3 23	17 30	4 26
T 8	23 23	13 1	2 8	25 34	2 1	24 19	0 47	24 26	0 54	14 12	1 6	15 40	2 13	15 15	0 44	2 51	1 31	26 18	7 48	1 24	1 7	3 20	17 29	4 26
F 9	23 25	18 43	3 11	25 35	2 3	24 20	0 49	24 25	0 54	14 11	1 6	15 39	2 13	15 15	0 44	2 50	1 31	26 18	7 48	1 22	1 6	3 16	17 29	4 26
S 10	23 28	23 23	4 1	25 35	2 5	24 21	0 51	24 25	0 54	14 10	1 5	15 39	2 13	15 16	0 44	2 50	1 31	26 19	7 48	1 19	1 5	3 13	17 28	4 26
S 11	23 30	26 40	4 37	25 34	2 7	24 20	0 53	24 24	0 55	14 9	1 5	15 38	2 13	15 16	0 44	2 50	1 31	26 19	7 48	1 15	1 3	3 10	17 27	4 26
M12	23 31	28 20	4 56	25 30	2 8	24 19	0 55	24 22	0 55	14 9	1 5	15 37	2 12	15 17	0 44	2 50	1 31	26 20	7 49	1 10	1 2	3 6	17 27	4 26
T 13	23 32	28 19	4 59	25 26	2 9	24 17	0 57	24 21	0 55	14 8	1 5	15 37	2 12	15 17	0 45	2 50	1 31	26 20	7 49	1 4	1 1	3 3	17 26	4 26
W14	23 33	26 42	4 46	25 19	2 9	24 14	0 59	24 19	0 56	14 7	1 4	15 36	2 12	15 18	0 45	2 49	1 31	26 21	7 49	0 59	0 59	2 59	17 26	4 26
T 15	23 33	23 44	4 18	25 11	2 9	24 10	1 1	24 17	0 56	14 6	1 4	15 35	2 12	15 18	0 45	2 49	1 31	26 21	7 49	0 54	0 58	2 56	17 25	4 26
F 16	23 32	19 44	3 39	25 1	2 8	24 6	1 3	24 15	0 56	14 6	1 4	15 35	2 11	15 19	0 45	2 49	1 31	26 22	7 49	0 51	0 57	2 52	17 25	4 26
S 17	23 31	14 59	2 50	24 50	2 7	24 1	1 4	24 12	0 57	14 5	1 4	15 34	2 11	15 19	0 45	2 49	1 31	26 22	7 50	0 48	0 56	2 49	17 25	4 26
S 18	23 30	9 45	1 55	24 36	2 5	23 55	1 6	24 9	0 57	14 5	1 3	15 34	2 11	15 20	0 45	2 48	1 31	26 22	7 50	0 47	0 54	2 45	17 24	4 26
M19	23 28	4 14	0 55	24 22	2 3	23 48	1 8	24 6	0 57	14 5	1 3	15 33	2 11	15 20	0 45	2 48	1 31	26 23	7 50	0 46	0 53	2 42	17 24	4 26
T 20	23 26	1n25	0n 7	24 5	2 0	23 41	1 9	24 2	0 58	14 4	1 3	15 33	2 10	15 21	0 45	2 48	1 30	26 23	7 50	0 46	0 52	2 38	17 23	4 25
W21	23 23	7 3	1 9	23 47	1 56	23 33	1 11	23 59	0 58	14 4	1 2	15 32	2 10	15 21	0 45	2 47	1 30	26 24	7 50	0 46	0 51	2 35	17 23	4 25
T 22	23 19	12 29	2 9	23 27	1 52	23 24	1 12	23 55	0 58	14 4	1 2	15 32	2 10	15 22	0 45	2 47	1 30	26 24	7 51	0 45	0 49	2 32	17 22	4 25
F 23	23 16	17 34	3 4	23 6	1 47	23 15	1 14	23 50	0 59	14 4	1 2	15 32	2 10	15 22	0 45	2 47	1 30	26 25	7 51	0 44	0 48	2 28	17 22	4 25
S 24	23 11	22 1	3 52	22 43	1 41	23 5	1 15	23 46	0 59	14 4	1 1	15 31	2 9	15 23	0 45	2 46	1 30	26 25	7 51	0 42	0 47	2 25	17 22	4 25
S 25	23 7	25 34	4 29	22 19	1 35	22 54	1 17	23 41	0 59	14 4	1 1	15 31	2 9	15 23	0 45	2 46	1 30	26 26	7 51	0 38	0 45	2 21	17 21	4 25
M26	23 2	27 51	4 53	21 54	1 27	22 42	1 18	23 36	0 59	14 4	1 1	15 31	2 9	15 24	0 45	2 46	1 30	26 26	7 51	0 34	0 44	2 18	17 21	4 25
T 27	22 56	28 33	5 1	21 28	1 19	22 30	1 19	23 30	1 0	14 4	1 1	15 30	2 9	15 25	0 45	2 45	1 30	26 27	7 51	0 29	0 43	2 14	17 21	4 25
W28	22 50	27 27	4 51	21 1	1 10	22 17	1 20	23 25	1 0	14 4	1 0	15 30	2 8	15 25	0 45	2 45	1 30	26 27	7 52	0 24	0 42	2 11	17 20	4 25
T 29	22 43	24 35	4 24	20 33	1 0	22 3	1 22	23 19	1 0	14 4	1 0	15 30	2 8	15 26	0 45	2 44	1 30	26 28	7 52	0 19	0 40	2 7	17 20	4 25
F 30	22 37	20 10	3 39	20 4	0 49	21 49	1 23	23 12	1 1	14 5	1 0	15 30	2 8	15 27	0 45	2 44	1 30	26 28	7 52	0 16	0 39	2 4	17 20	4 25
S 31	22s29	14n32	2n41	19s35	0s36	21s34	1s24	23s 6	1s 1	14n 5	0s59	15n30	2s 7	15n27	0n45	2s44	1s30	26n29	7n52	0n13	0n38	2s 0	17n19	4s24

Julian Day Number = 2161518.5, Delta T = 13m09s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'04, Lahiri = 12°47'04 Julian Calendar 1 Dec. 1205 == Greg. Calendar 8 Dec. 1205

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

JANUARY 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 46	17♑47'59	12♍57	6♒29	1♒24	20♑27	10♉28	18°R56	20°R24	26♓38	5°R54	0°R29	1♈32	26♓13	7°R33	S 1
M 2	7 12 42	18°49'03	27°16	7°27	2°39	21°14	10°29	18♉55	20♌22	26°39	5♌53	0°D28	1°28	26°19	7♊30	M 2
T 3	7 16 39	19°50'07	11♎26	8°18	3°54	22° 1	10°30	18°54	20°19	26°40	5°52	0♈28	1°25	26°26	7°28	T 3
W 4	7 20 35	20°51'10	25°27	9° 1	5°10	22°48	10°31	18°53	20°17	26°41	5°50	0°R28	1°22	26°33	7°25	W 4
T 5	7 24 32	21°52'13	9♏18	9°34	6°25	23°35	10°32	18°52	20°15	26°43	5°49	0°27	1°19	26°39	7°23	T 5
F 6	7 28 28	22°53'15	23° 0	9°58	7°40	24°22	10°34	18°51	20°13	26°44	5°47	0°24	1°16	26°46	7°21	F 6
S 7	7 32 25	23°54'17	6♐32	10°11	8°55	25° 9	10°36	18°50	20°11	26°45	5°46	0°17	1°13	26°53	7°19	S 7
S 8	7 36 22	24°55'18	19°54	10°R14	10°10	25°57	10°38	18°50	20° 8	26°46	5°45	0° 8	1° 9	26°59	7°17	S 8
M 9	7 40 18	25°56'19	3♑ 4	10° 4	11°25	26°44	10°40	18°49	20° 6	26°48	5°43	29♓57	1° 6	27° 6	7°15	M 9
T 10	7 44 15	26°57'18	16° 2	9°44	12°40	27°31	10°42	18°49	20° 4	26°49	5°42	29°45	1° 3	27°13	7°13	T 10
W11	7 48 11	27°58'17	28°47	9°12	13°55	28°18	10°45	18°49	20° 1	26°50	5°40	29°34	1° 0	27°19	7°11	W11
T 12	7 52 8	28°59'14	11♒18	8°30	15°10	29° 5	10°48	18°49	19°59	26°52	5°39	29°23	0°57	27°26	7° 9	T 12
F 13	7 56 4	0♒ 0'11	23°35	7°39	16°25	29°53	10°51	18°D49	19°57	26°53	5°38	29°15	0°54	27°32	7° 7	F 13
S 14	8 0 1	1° 1'06	5♓40	6°39	17°40	0♒40	10°54	18°49	19°54	26°54	5°36	29°10	0°50	27°39	7° 5	S 14
S 15	8 3 57	2° 1'59	17°36	5°33	18°55	1°27	10°57	18°49	19°52	26°56	5°35	29° 7	0°47	27°46	7° 4	S 15
M16	8 7 54	3° 2'52	29°24	4°23	20°10	2°15	11° 1	18°49	19°49	26°57	5°33	29°D 6	0°44	27°52	7° 2	M16
T 17	8 11 51	4° 3'42	11♈11	3°10	21°25	3° 2	11° 4	18°50	19°47	26°59	5°32	29° 6	0°41	27°59	7° 1	T 17
W18	8 15 47	5° 4'32	23° 0	1°58	22°40	3°49	11° 8	18°50	19°44	27° 0	5°30	29° 7	0°38	28° 6	6°59	W18
T 19	8 19 44	6° 5'20	4♉57	0°47	23°55	4°37	11°12	18°51	19°42	27° 2	5°29	29°R 8	0°34	28°12	6°58	T 19
F 20	8 23 40	7° 6'06	17° 7	29♑39	25°10	5°24	11°17	18°52	19°39	27° 4	5°28	29° 7	0°31	28°19	6°57	F 20
S 21	8 27 37	8° 6'51	29°36	28°37	26°25	6°11	11°21	18°52	19°37	27° 5	5°26	29° 5	0°28	28°26	6°56	S 21
S 22	8 31 33	9° 7'34	12♊27	27°40	27°39	6°59	11°26	18°53	19°34	27° 7	5°25	29° 0	0°25	28°32	6°54	S 22
M23	8 35 30	10° 8'16	25°45	26°51	28°54	7°46	11°31	18°55	19°32	27° 9	5°23	28°54	0°22	28°39	6°53	M23
T 24	8 39 26	11° 8'56	9♋29	26° 9	0♓ 9	8°33	11°36	18°56	19°29	27°10	5°22	28°46	0°19	28°46	6°52	T 24
W25	8 43 23	12° 9'34	23°39	25°35	1°24	9°21	11°41	18°57	19°26	27°12	5°20	28°38	0°15	28°52	6°52	W25
T 26	8 47 20	13°10'11	8♌10	25° 9	2°38	10° 8	11°46	18°59	19°24	27°14	5°19	28°31	0°12	28°59	6°51	T 26
F 27	8 51 16	14°10'46	22°55	24°51	3°53	10°55	11°52	19° 0	19°21	27°15	5°18	28°25	0° 9	29° 6	6°50	F 27
S 28	8 55 13	15°11'20	7♍47	24°41	5° 8	11°43	11°58	19° 2	19°19	27°17	5°16	28°21	0° 6	29°12	6°49	S 28
S 29	8 59 9	16°11'52	22°38	24°D38	6°22	12°30	12° 4	19° 4	19°16	27°19	5°15	28°D20	0° 3	29°19	6°49	S 29
M30	9 3 6	17°12'23	7♎20	24°42	7°37	13°17	12°10	19° 5	19°13	27°21	5°13	28°20	29♓59	29°25	6°48	M30
T 31	9 7 2	18♒12'53	21♎49	24♑53	8♓51	14♒ 5	12♉16	19♉ 7	19♌11	27♓23	5♌12	28♓21	29♓56	29♓32	6♊48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s21	8n 8	1n32	19s 7	0s23	21s19	1s25	22s59	1s 1	14n 5	0s59	15n29	2s 7	15n28	0n45	2s43	1s30	26n29	7n52	0n12	0n37	1s57	17n19	4s24
M 2	22 13	1 21	0 17	18 38	0 9	21 2	1 26	22 52	1 1	14 6	0 59	15 29	2 7	15 29	0 45	2 43	1 30	26 30	7 52	0 11	0 35	1 54	17 19	4 24
T 3	22 4	5s26	0s58	18 11	0n 6	20 46	1 26	22 45	1 1	14 7	0 59	15 29	2 7	15 29	0 45	2 42	1 30	26 30	7 52	0 11	0 34	1 50	17 18	4 24
W 4	21 55	11 52	2 9	17 44	0 21	20 28	1 27	22 37	1 2	14 7	0 58	15 29	2 6	15 30	0 45	2 42	1 30	26 31	7 53	0 11	0 33	1 47	17 18	4 24
T 5	21 46	17 40	3 11	17 19	0 38	20 10	1 28	22 29	1 2	14 8	0 58	15 29	2 6	15 31	0 45	2 41	1 30	26 31	7 53	0 11	0 32	1 43	17 18	4 24
F 6	21 36	22 29	4 1	16 56	0 55	19 52	1 29	22 21	1 2	14 9	0 58	15 29	2 6	15 32	0 45	2 41	1 30	26 32	7 53	0 9	0 30	1 40	17 18	4 24
S 7	21 25	26 3	4 38	16 36	1 13	19 32	1 29	22 13	1 2	14 9	0 57	15 29	2 6	15 32	0 45	2 40	1 30	26 32	7 53	0 7	0 29	1 36	17 18	4 24
S 8	21 14	28 7	4 58	16 18	1 31	19 13	1 30	22 4	1 2	14 10	0 57	15 30	2 5	15 33	0 45	2 40	1 30	26 33	7 53	0 3	0 28	1 33	17 17	4 23
M 9	21 3	28 33	5 2	16 3	1 49	18 52	1 30	21 56	1 3	14 11	0 57	15 30	2 5	15 34	0 45	2 39	1 30	26 33	7 53	0s 1	0 26	1 29	17 17	4 23
T 10	20 52	27 23	4 51	15 51	2 7	18 32	1 31	21 47	1 3	14 12	0 57	15 30	2 5	15 35	0 45	2 38	1 30	26 34	7 53	0 6	0 25	1 26	17 17	4 23
W11	20 40	24 49	4 25	15 43	2 24	18 10	1 31	21 37	1 3	14 13	0 56	15 30	2 4	15 35	0 45	2 38	1 30	26 34	7 53	0 11	0 24	1 22	17 17	4 23
T 12	20 27	21 5	3 47	15 38	2 40	17 49	1 31	21 28	1 3	14 15	0 56	15 30	2 4	15 36	0 45	2 37	1 30	26 35	7 54	0 15	0 23	1 19	17 17	4 23
F 13	20 14	16 31	2 58	15 37	2 55	17 26	1 31	21 18	1 3	14 16	0 56	15 31	2 4	15 37	0 45	2 37	1 29	26 35	7 54	0 18	0 21	1 16	17 17	4 23
S 14	20 1	11 22	2 2	15 39	3 8	17 3	1 32	21 8	1 3	14 17	0 55	15 31	2 3	15 38	0 45	2 36	1 29	26 36	7 54	0 20	0 20	1 12	17 17	4 22
S 15	19 48	5 52	1 1	15 44	3 20	16 40	1 32	20 57	1 4	14 18	0 55	15 31	2 3	15 38	0 45	2 35	1 29	26 36	7 54	0 21	0 19	1 9	17 17	4 22
M16	19 34	0 13	0n 2	15 52	3 29	16 16	1 32	20 47	1 4	14 20	0 55	15 32	2 3	15 39	0 46	2 35	1 29	26 37	7 54	0 22	0 18	1 5	17 16	4 22
T 17	19 20	5n26	1 5	16 2	3 36	15 52	1 32	20 36	1 4	14 21	0 55	15 32	2 3	15 40	0 46	2 34	1 29	26 37	7 54	0 21	0 16	1 2	17 16	4 22
W18	19 5	10 55	2 5	16 14	3 40	15 27	1 31	20 25	1 4	14 23	0 54	15 32	2 2	15 41	0 46	2 34	1 29	26 37	7 54	0 21	0 15	0 58	17 16	4 22
T 19	18 50	16 4	3 1	16 28	3 42	15 2	1 31	20 14	1 4	14 24	0 54	15 33	2 2	15 42	0 46	2 33	1 29	26 38	7 54	0 21	0 14	0 55	17 16	4 21
F 20	18 35	20 41	3 49	16 42	3 41	14 37	1 31	20 2	1 4	14 26	0 54	15 33	2 2	15 43	0 46	2 32	1 29	26 38	7 54	0 21	0 13	0 51	17 16	4 21
S 21	18 19	24 31	4 28	16 58	3 39	14 11	1 31	19 51	1 4	14 27	0 53	15 34	2 1	15 43	0 46	2 32	1 29	26 39	7 54	0 22	0 11	0 48	17 16	4 21
S 22	18 3	27 16	4 55	17 13	3 34	13 45	1 30	19 39	1 4	14 29	0 53	15 34	2 1	15 44	0 46	2 31	1 29	26 39	7 54	0 24	0 10	0 44	17 16	4 21
M23	17 47	28 36	5 7	17 29	3 28	13 18	1 30	19 27	1 5	14 31	0 53	15 35	2 1	15 45	0 46	2 30	1 29	26 40	7 54	0 26	0 9	0 41	17 16	4 21
T 24	17 30	28 14	5 3	17 45	3 20	12 51	1 29	19 15	1 5	14 33	0 53	15 36	2 1	15 46	0 46	2 30	1 29	26 40	7 55	0 29	0 7	0 37	17 16	4 20
W25	17 13	26 3	4 39	18 0	3 11	12 24	1 28	19 2	1 5	14 35	0 52	15 36	2 0	15 47	0 46	2 29	1 29	26 40	7 55	0 33	0 6	0 34	17 16	4 20
T 26	16 56	22 8	3 58	18 14	3 1	11 57	1 28	18 49	1 5	14 36	0 52	15 37	2 0	15 47	0 46	2 28	1 29	26 41	7 55	0 36	0 5	0 30	17 17	4 20
F 27	16 39	16 46	3 0	18 28	2 50	11 29	1 27	18 36	1 5	14 38	0 52	15 38	2 0	15 48	0 46	2 27	1 29	26 41	7 55	0 38	0 4	0 27	17 17	4 20
S 28	16 21	10 22	1 49	18 41	2 38	11 1	1 26	18 23	1 5	14 40	0 52	15 38	1 59	15 49	0 46	2 27	1 29	26 42	7 55	0 39	0 2	0 24	17 17	4 20
S 29	16 3	3 25	0 31	18 54	2 26	10 32	1 25	18 10	1 5	14 42	0 51	15 39	1 59	15 50	0 46	2 26	1 29	26 42	7 55	0 40	0 1	0 20	17 17	4 19
M30	15 45	3s40	0s49	19 5	2 14	10 3	1 24	17 56	1 5	14 45	0 51	15 40	1 59	15 51	0 46	2 25	1 29	26 42	7 55	0 40	0s 0	0 17	17 17	4 19
T 31	15s26	10s27	2s 4	19s15	2n 2	9s34	1s23	17s43	1s 5	14n47	0s51	15n41	1s59	15n52	0n46	2s24	1s29	26n43	7n55	0s40	0s 1	0s13	17n17	4s19

Julian Day Number = 2161549.5, Delta T = 13m09s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'08, Lahiri = 12°47'08 Julian Calendar 1 Jan. 1206 == Greg. Calendar 8 Jan. 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

FEBRUARY 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 10 59	19♒13'21	6♏ 0	25♉10	10♓ 6	14♒52	12♉22	19♉ 9	19°R 8	27♓24	5°R11	28♓22	29♓53	29♓39	6°R47	W 1
T 2	9 14 55	20°13'48	19°55	25°32	11°20	15°40	12°29	19°12	19♌ 5	27°26	5♌ 9	28°R23	29°50	29°45	6♊47	T 2
F 3	9 18 52	21°14'14	3♐31	26° 0	12°35	16°27	12°35	19°14	19° 3	27°28	5° 8	28°22	29°47	29°52	6°47	F 3
S 4	9 22 49	22°14'38	16°51	26°33	13°49	17°14	12°42	19°16	19° 0	27°30	5° 6	28°20	29°44	29°59	6°47	S 4
S 5	9 26 45	23°15'01	29°55	27°10	15° 4	18° 2	12°49	19°19	18°58	27°32	5° 5	28°16	29°40	0♈ 5	6°D47	S 5
M 6	9 30 42	24°15'22	12♑45	27°52	16°18	18°49	12°57	19°22	18°55	27°34	5° 4	28°10	29°37	0°12	6°47	M 6
T 7	9 34 38	25°15'42	25°22	28°37	17°32	19°36	13° 4	19°24	18°52	27°36	5° 2	28° 4	29°34	0°19	6°47	T 7
W 8	9 38 35	26°16'00	7♒48	29°26	18°47	20°24	13°11	19°27	18°50	27°38	5° 1	27°59	29°31	0°25	6°47	W 8
T 9	9 42 31	27°16'16	20° 2	0♒19	20° 1	21°11	13°19	19°30	18°47	27°40	5° 0	27°53	29°28	0°32	6°47	T 9
F 10	9 46 28	28°16'31	2♓ 7	1°14	21°15	21°58	13°27	19°33	18°45	27°42	4°59	27°49	29°25	0°39	6°48	F 10
S 11	9 50 24	29°16'44	14° 4	2°12	22°29	22°46	13°35	19°36	18°42	27°44	4°57	27°47	29°21	0°45	6°48	S 11
S 12	9 54 21	0♓16'54	25°55	3°13	23°44	23°33	13°43	19°40	18°39	27°46	4°56	27°D46	29°18	0°52	6°49	S 12
M13	9 58 18	1°17'03	7♈42	4°17	24°58	24°20	13°51	19°43	18°37	27°48	4°55	27°47	29°15	0°58	6°49	M13
T 14	10 2 14	2°17'10	19°29	5°23	26°12	25° 8	13°59	19°46	18°34	27°50	4°53	27°48	29°12	1° 5	6°50	T 14
W15	10 6 11	3°17'15	1♉18	6°31	27°26	25°55	14° 8	19°50	18°32	27°52	4°52	27°50	29° 9	1°12	6°51	W15
T 16	10 10 7	4°17'17	13°15	7°41	28°40	26°42	14°16	19°54	18°29	27°55	4°51	27°51	29° 6	1°18	6°51	T 16
F 17	10 14 4	5°17'18	25°24	8°53	29°54	27°29	14°25	19°57	18°27	27°57	4°50	27°53	29° 2	1°25	6°52	F 17
S 18	10 18 0	6°17'16	7♊50	10° 7	1♈ 8	28°17	14°34	20° 1	18°24	27°59	4°49	27°R53	28°59	1°32	6°53	S 18
S 19	10 21 57	7°17'12	20°36	11°23	2°22	29° 4	14°43	20° 5	18°22	28° 1	4°47	27°52	28°56	1°38	6°54	S 19
M20	10 25 53	8°17'06	3♋48	12°41	3°35	29°51	14°52	20° 9	18°19	28° 3	4°46	27°51	28°53	1°45	6°55	M20
T 21	10 29 50	9°16'58	17°27	14° 0	4°49	0♓38	15° 1	20°13	18°17	28° 5	4°45	27°49	28°50	1°52	6°57	T 21
W22	10 33 47	10°16'47	1♌34	15°21	6° 3	1°25	15°11	20°17	18°15	28° 7	4°44	27°46	28°46	1°58	6°58	W22
T 23	10 37 43	11°16'34	16° 6	16°43	7°17	2°13	15°20	20°22	18°12	28°10	4°43	27°44	28°43	2° 5	6°59	T 23
F 24	10 41 40	12°16'19	0♍59	18° 7	8°30	3° 0	15°30	20°26	18°10	28°12	4°42	27°42	28°40	2°12	7° 1	F 24
S 25	10 45 36	13°16'02	16° 5	19°32	9°44	3°47	15°39	20°30	18° 8	28°14	4°41	27°41	28°37	2°18	7° 2	S 25
S 26	10 49 33	14°15'43	1♎15	20°59	10°57	4°34	15°49	20°35	18° 5	28°16	4°40	27°D41	28°34	2°25	7° 4	S 26
M27	10 53 29	15°15'21	16°19	22°27	12°11	5°21	15°59	20°40	18° 3	28°18	4°39	27°41	28°31	2°32	7° 5	M27
T 28	10 57 26	16♓14'58	1♏ 9	23♒57	13♈24	6♓ 8	16♉ 9	20♉44	18♌ 1	28♓21	4♌38	27♓42	28♓27	2♈38	7♊ 7	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 7	16s34	3s11	19s24	1n49	9s 5	1s22	17s29	1s 5	14n49	0s51	15n42	1s58	15n52	0n46	2s24	1s29	26n43	7n55	0s39	0s 3	0s10	17n17	4s19
T 2	14 48	21 43	4 4	19 32	1 37	8 36	1 21	17 15	1 5	14 51	0 50	15 42	1 58	15 53	0 46	2 23	1 29	26 44	7 55	0 39	0 4	0 6	17 17	4 18
F 3	14 29	25 34	4 43	19 39	1 25	8 6	1 20	17 1	1 5	14 53	0 50	15 43	1 58	15 54	0 46	2 22	1 29	26 44	7 55	0 39	0 5	0 3	17 18	4 18
S 4	14 9	27 57	5 5	19 45	1 12	7 36	1 19	16 46	1 5	14 56	0 50	15 44	1 57	15 55	0 46	2 21	1 29	26 44	7 55	0 40	0 7	0n 1	17 18	4 18
S 5	13 50	28 44	5 11	19 50	1 0	7 6	1 17	16 32	1 5	14 58	0 50	15 45	1 57	15 56	0 46	2 20	1 29	26 45	7 55	0 42	0 8	0 4	17 18	4 18
M 6	13 30	27 56	5 1	19 53	0 49	6 35	1 16	16 17	1 5	15 1	0 49	15 46	1 57	15 57	0 46	2 20	1 29	26 45	7 55	0 44	0 9	0 8	17 18	4 18
T 7	13 9	25 42	4 37	19 55	0 37	6 5	1 14	16 2	1 5	15 3	0 49	15 47	1 57	15 57	0 46	2 19	1 29	26 45	7 55	0 46	0 10	0 11	17 19	4 17
W 8	12 49	22 16	4 0	19 56	0 26	5 34	1 13	15 47	1 5	15 5	0 49	15 48	1 56	15 58	0 46	2 18	1 29	26 46	7 55	0 49	0 12	0 15	17 19	4 17
T 9	12 28	17 54	3 12	19 56	0 15	5 4	1 11	15 32	1 5	15 8	0 49	15 49	1 56	15 59	0 46	2 17	1 29	26 46	7 55	0 51	0 13	0 18	17 19	4 17
F 10	12 8	12 53	2 16	19 54	0 5	4 33	1 9	15 16	1 5	15 11	0 48	15 50	1 56	16 0	0 46	2 16	1 29	26 46	7 55	0 52	0 14	0 22	17 19	4 17
S 11	11 47	7 26	1 15	19 51	0s 6	4 2	1 8	15 1	1 5	15 13	0 48	15 51	1 56	16 1	0 46	2 16	1 29	26 47	7 55	0 53	0 15	0 25	17 20	4 16
S 12	11 25	1 47	0 10	19 46	0 15	3 31	1 6	14 45	1 5	15 16	0 48	15 53	1 55	16 1	0 46	2 15	1 29	26 47	7 55	0 53	0 17	0 28	17 20	4 16
M13	11 4	3n54	0n54	19 41	0 25	2 59	1 4	14 29	1 5	15 18	0 48	15 54	1 55	16 2	0 46	2 14	1 29	26 47	7 55	0 53	0 18	0 32	17 20	4 16
T 14	10 42	9 27	1 57	19 34	0 34	2 28	1 2	14 13	1 5	15 21	0 47	15 55	1 55	16 3	0 46	2 13	1 29	26 48	7 55	0 53	0 19	0 35	17 21	4 16
W15	10 21	14 42	2 54	19 25	0 43	1 57	1 0	13 57	1 5	15 24	0 47	15 56	1 54	16 4	0 46	2 12	1 29	26 48	7 55	0 52	0 20	0 39	17 21	4 15
T 16	9 59	19 28	3 45	19 15	0 51	1 25	0 58	13 41	1 5	15 27	0 47	15 57	1 54	16 5	0 46	2 11	1 29	26 48	7 55	0 51	0 22	0 42	17 21	4 15
F 17	9 37	23 31	4 27	19 4	1 0	0 54	0 56	13 24	1 5	15 30	0 47	15 59	1 54	16 5	0 46	2 10	1 29	26 48	7 55	0 51	0 23	0 46	17 22	4 15
S 18	9 15	26 35	4 57	18 52	1 7	0 22	0 54	13 8	1 4	15 32	0 46	16 0	1 54	16 6	0 46	2 10	1 29	26 49	7 55	0 51	0 24	0 49	17 22	4 15
S 19	8 52	28 25	5 13	18 38	1 15	0n 9	0 52	12 51	1 4	15 35	0 46	16 1	1 53	16 7	0 46	2 9	1 29	26 49	7 55	0 51	0 26	0 53	17 23	4 15
M20	8 30	28 43	5 14	18 23	1 22	0 41	0 49	12 35	1 4	15 38	0 46	16 3	1 53	16 8	0 46	2 8	1 29	26 49	7 55	0 52	0 27	0 56	17 23	4 14
T 21	8 7	27 19	4 58	18 6	1 28	1 12	0 47	12 18	1 4	15 41	0 46	16 4	1 53	16 8	0 46	2 7	1 29	26 49	7 55	0 52	0 28	1 0	17 23	4 14
W22	7 45	24 10	4 23	17 48	1 34	1 44	0 45	12 1	1 4	15 44	0 46	16 5	1 53	16 9	0 46	2 6	1 29	26 50	7 54	0 53	0 29	1 3	17 24	4 14
T 23	7 22	19 25	3 30	17 29	1 40	2 15	0 42	11 44	1 4	15 47	0 45	16 7	1 52	16 10	0 46	2 5	1 28	26 50	7 54	0 54	0 31	1 7	17 24	4 14
F 24	6 59	13 23	2 23	17 8	1 46	2 46	0 40	11 26	1 4	15 50	0 45	16 8	1 52	16 10	0 46	2 4	1 28	26 50	7 54	0 55	0 32	1 10	17 25	4 13
S 25	6 36	6 30	1 4	16 46	1 51	3 18	0 38	11 9	1 4	15 53	0 45	16 9	1 52	16 11	0 46	2 3	1 28	26 50	7 54	0 55	0 33	1 13	17 25	4 13
S 26	6 13	0s48	0s20	16 23	1 55	3 49	0 35	10 52	1 3	15 56	0 45	16 11	1 52	16 12	0 46	2 3	1 28	26 50	7 54	0 56	0 34	1 17	17 26	4 13
M27	5 50	8 0	1 42	15 58	1 59	4 20	0 32	10 34	1 3	15 59	0 45	16 12	1 51	16 13	0 46	2 2	1 28	26 51	7 54	0 55	0 36	1 20	17 26	4 13
T 28	5s27	14s40	2s55	15s32	2s 3	4n51	0s30	10s17	1s 3	16n 2	0s44	16n14	1s51	16n13	0n46	2s 1	1s28	26n51	7n54	0s55	0s37	1n24	17n27	4s13

Julian Day Number = 2161580.5, Delta T = 13m09s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'12, Lahiri = 12°47'13 Julian Calendar 1 Feb. 1206 == Greg. Calendar 8 Feb. 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

MARCH 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 1 22	17♓14'34	15♏40	25♒27	14♈38	6♓55	16♉19	20♉49	17°R59	28♓23	4°R37	27♓43	28♓24	2♈45	7♊ 9	W 1
T 2	11 5 19	18°14'07	29°48	27° 0	15°51	7°42	16°30	20°54	17♌57	28°25	4♌36	27°44	28°21	2°51	7°11	T 2
F 3	11 9 16	19°13'39	13♐31	28°33	17° 4	8°29	16°40	20°59	17°54	28°27	4°35	27°R44	28°18	2°58	7°13	F 3
S 4	11 13 12	20°13'09	26°50	0♓ 8	18°18	9°16	16°51	21° 4	17°52	28°30	4°34	27°44	28°15	3° 5	7°15	S 4
S 5	11 17 9	21°12'37	9♑48	1°44	19°31	10° 3	17° 1	21° 9	17°50	28°32	4°33	27°44	28°12	3°11	7°17	S 5
M 6	11 21 5	22°12'04	22°28	3°22	20°44	10°50	17°12	21°14	17°48	28°34	4°32	27°43	28° 8	3°18	7°19	M 6
T 7	11 25 2	23°11'28	4♒51	5° 0	21°57	11°37	17°23	21°20	17°46	28°36	4°31	27°43	28° 5	3°25	7°21	T 7
W 8	11 28 58	24°10'51	17° 3	6°41	23°10	12°24	17°33	21°25	17°44	28°39	4°30	27°42	28° 2	3°31	7°23	W 8
T 9	11 32 55	25°10'12	29° 4	8°22	24°23	13°10	17°44	21°30	17°42	28°41	4°29	27°42	27°59	3°38	7°26	T 9
F 10	11 36 51	26° 9'30	10♓59	10° 5	25°36	13°57	17°56	21°36	17°40	28°43	4°29	27°42	27°56	3°45	7°28	F 10
S 11	11 40 48	27° 8'47	22°49	11°49	26°49	14°44	18° 7	21°41	17°39	28°46	4°28	27°42	27°52	3°51	7°31	S 11
S 12	11 44 45	28° 8'02	4♈36	13°35	28° 2	15°31	18°18	21°47	17°37	28°48	4°27	27°42	27°49	3°58	7°33	S 12
M13	11 48 41	29° 7'14	16°24	15°22	29°14	16°17	18°29	21°53	17°35	28°50	4°26	27°42	27°46	4° 5	7°36	M13
T 14	11 52 38	0♈ 6'25	28°13	17°10	0♉27	17° 4	18°41	21°59	17°33	28°52	4°26	27°41	27°43	4°11	7°38	T 14
W15	11 56 34	1° 5'33	10♉ 7	19° 0	1°40	17°51	18°52	22° 4	17°32	28°55	4°25	27°41	27°40	4°18	7°41	W15
T 16	12 0 31	2° 4'39	22° 8	20°51	2°52	18°37	19° 4	22°10	17°30	28°57	4°24	27°40	27°37	4°24	7°44	T 16
F 17	12 4 27	3° 3'43	4♊20	22°44	4° 5	19°24	19°15	22°16	17°28	28°59	4°24	27°40	27°33	4°31	7°47	F 17
S 18	12 8 24	4° 2'44	16°47	24°38	5°17	20°11	19°27	22°22	17°27	29° 1	4°23	27°39	27°30	4°38	7°50	S 18
S 19	12 12 20	5° 1'44	29°31	26°33	6°30	20°57	19°39	22°28	17°25	29° 4	4°22	27°D39	27°27	4°44	7°53	S 19
M20	12 16 17	6° 0'40	12♋36	28°30	7°42	21°44	19°51	22°35	17°24	29° 6	4°22	27°39	27°24	4°51	7°56	M20
T 21	12 20 14	6°59'35	26° 6	0♈28	8°54	22°30	20° 3	22°41	17°22	29° 8	4°21	27°39	27°21	4°58	7°59	T 21
W22	12 24 10	7°58'27	10♌ 1	2°27	10° 7	23°16	20°15	22°47	17°21	29°10	4°21	27°40	27°17	5° 4	8° 2	W22
T 23	12 28 7	8°57'17	24°23	4°28	11°19	24° 3	20°27	22°53	17°20	29°13	4°20	27°41	27°14	5°11	8° 5	T 23
F 24	12 32 3	9°56'05	9♍ 7	6°30	12°31	24°49	20°39	23° 0	17°18	29°15	4°20	27°42	27°11	5°18	8° 9	F 24
S 25	12 36 0	10°54'50	24° 9	8°33	13°43	25°36	20°52	23° 6	17°17	29°17	4°19	27°R42	27° 8	5°24	8°12	S 25
S 26	12 39 56	11°53'33	9♎21	10°38	14°55	26°22	21° 4	23°13	17°16	29°19	4°19	27°42	27° 5	5°31	8°15	S 26
M27	12 43 53	12°52'14	24°33	12°43	16° 6	27° 8	21°16	23°19	17°15	29°22	4°19	27°41	27° 2	5°38	8°19	M27
T 28	12 47 49	13°50'53	9♏37	14°49	17°18	27°54	21°29	23°26	17°14	29°24	4°18	27°40	26°58	5°44	8°22	T 28
W29	12 51 46	14°49'31	24°22	16°55	18°30	28°40	21°41	23°33	17°13	29°26	4°18	27°37	26°55	5°51	8°26	W29
T 30	12 55 42	15°48'07	8♐44	19° 2	19°41	29°26	21°54	23°39	17°12	29°28	4°18	27°35	26°52	5°58	8°30	T 30
F 31	12 59 39	16♈46'41	22♐39	21♈10	20♉53	0♈12	22♉ 6	23♉46	17♌11	29♓30	4♌17	27♓33	26♓49	6♈ 4	8♊33	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s 4	20s22	3s56	15s 4	2s 6	5n22	0s27	9s59	1s 3	16n 5	0s44	16n15	1s51	16n14	0n45	2s 0	1s28	26n51	7n54	0s55	0s38	1n27	17n27	4s12
T 2	4 40	24 46	4 41	14 35	2 9	5 53	0 24	9 41	1 3	16 8	0 44	16 17	1 51	16 15	0 45	1 59	1 28	26 51	7 54	0 54	0 40	1 31	17 28	4 12
F 3	4 17	27 37	5 8	14 5	2 12	6 24	0 22	9 23	1 3	16 12	0 44	16 18	1 50	16 15	0 45	1 58	1 28	26 51	7 54	0 54	0 41	1 34	17 28	4 12
S 4	3 53	28 48	5 17	13 34	2 14	6 55	0 19	9 6	1 2	16 15	0 44	16 20	1 50	16 16	0 45	1 57	1 28	26 51	7 54	0 54	0 42	1 38	17 29	4 12
S 5	3 30	28 20	5 11	13 1	2 15	7 25	0 16	8 48	1 2	16 18	0 43	16 21	1 50	16 16	0 45	1 56	1 28	26 52	7 54	0 54	0 43	1 41	17 29	4 11
M 6	3 6	26 24	4 49	12 26	2 16	7 55	0 13	8 30	1 2	16 21	0 43	16 23	1 50	16 17	0 45	1 55	1 28	26 52	7 54	0 55	0 45	1 45	17 30	4 11
T 7	2 43	23 14	4 13	11 50	2 17	8 25	0 11	8 11	1 2	16 24	0 43	16 25	1 50	16 18	0 45	1 54	1 28	26 52	7 53	0 55	0 46	1 48	17 30	4 11
W 8	2 19	19 5	3 27	11 13	2 17	8 55	0 8	7 53	1 2	16 28	0 43	16 26	1 49	16 18	0 45	1 54	1 28	26 52	7 53	0 55	0 47	1 52	17 31	4 11
T 9	1 56	14 14	2 33	10 35	2 17	9 25	0 5	7 35	1 1	16 31	0 43	16 28	1 49	16 19	0 45	1 53	1 28	26 52	7 53	0 55	0 48	1 55	17 32	4 11
F 10	1 32	8 53	1 32	9 55	2 16	9 55	0 2	7 17	1 1	16 34	0 42	16 29	1 49	16 19	0 45	1 52	1 28	26 52	7 53	0 55	0 50	1 58	17 32	4 10
S 11	1 8	3 17	0 27	9 14	2 15	10 24	0n 1	6 58	1 1	16 37	0 42	16 31	1 49	16 20	0 45	1 51	1 28	26 52	7 53	0 55	0 51	2 2	17 33	4 10
S 12	0 45	2n25	0n38	8 32	2 13	10 53	0 4	6 40	1 1	16 41	0 42	16 33	1 48	16 20	0 45	1 50	1 28	26 52	7 53	0 55	0 52	2 5	17 33	4 10
M13	0 21	8 3	1 42	7 48	2 11	11 22	0 7	6 21	1 0	16 44	0 42	16 34	1 48	16 21	0 45	1 49	1 28	26 53	7 53	0 55	0 53	2 9	17 34	4 10
T 14	0n 3	13 24	2 42	7 4	2 8	11 50	0 10	6 3	1 0	16 47	0 42	16 36	1 48	16 21	0 45	1 48	1 28	26 53	7 53	0 55	0 55	2 12	17 35	4 10
W15	0 26	18 18	3 35	6 17	2 5	12 19	0 13	5 44	1 0	16 51	0 41	16 38	1 48	16 22	0 45	1 47	1 28	26 53	7 53	0 56	0 56	2 16	17 35	4 9
T 16	0 50	22 33	4 19	5 30	2 2	12 47	0 16	5 26	1 0	16 54	0 41	16 40	1 48	16 22	0 45	1 46	1 28	26 53	7 53	0 56	0 57	2 19	17 36	4 9
F 17	1 13	25 53	4 52	4 42	1 57	13 14	0 19	5 7	0 59	16 57	0 41	16 41	1 47	16 23	0 45	1 45	1 28	26 53	7 52	0 56	0 59	2 23	17 36	4 9
S 18	1 37	28 3	5 12	3 52	1 52	13 42	0 22	4 49	0 59	17 1	0 41	16 43	1 47	16 23	0 45	1 45	1 29	26 53	7 52	0 56	1 0	2 26	17 37	4 9
S 19	2 0	28 50	5 17	3 1	1 47	14 9	0 25	4 30	0 59	17 4	0 41	16 45	1 47	16 24	0 45	1 44	1 29	26 53	7 52	0 56	1 1	2 30	17 38	4 9
M20	2 24	28 2	5 7	2 9	1 41	14 35	0 29	4 11	0 58	17 8	0 41	16 46	1 47	16 24	0 45	1 43	1 29	26 53	7 52	0 56	1 2	2 33	17 38	4 8
T 21	2 47	25 36	4 39	1 16	1 35	15 2	0 32	3 53	0 58	17 11	0 40	16 48	1 47	16 25	0 45	1 42	1 29	26 53	7 52	0 56	1 4	2 36	17 39	4 8
W22	3 11	21 35	3 55	0 22	1 28	15 28	0 35	3 34	0 58	17 14	0 40	16 50	1 46	16 25	0 45	1 41	1 29	26 53	7 52	0 56	1 5	2 40	17 40	4 8
T 23	3 34	16 12	2 55	0n33	1 21	15 53	0 38	3 15	0 57	17 18	0 40	16 52	1 46	16 25	0 45	1 40	1 29	26 53	7 52	0 55	1 6	2 43	17 40	4 8
F 24	3 57	9 45	1 41	1 29	1 13	16 19	0 41	2 56	0 57	17 21	0 40	16 54	1 46	16 26	0 45	1 39	1 29	26 53	7 52	0 55	1 7	2 47	17 41	4 8
S 25	4 20	2 38	0 20	2 25	1 5	16 43	0 44	2 38	0 57	17 25	0 40	16 55	1 46	16 26	0 45	1 38	1 29	26 53	7 51	0 55	1 9	2 50	17 42	4 8
S 26	4 43	4s42	1s 4	3 22	0 56	17 8	0 47	2 19	0 56	17 28	0 40	16 57	1 46	16 26	0 45	1 37	1 29	26 53	7 51	0 55	1 10	2 54	17 42	4 7
M27	5 6	11 46	2 23	4 20	0 47	17 32	0 50	2 0	0 56	17 31	0 40	16 59	1 46	16 27	0 45	1 37	1 29	26 53	7 51	0 55	1 11	2 57	17 43	4 7
T 28	5 29	18 6	3 32	5 17	0 37	17 55	0 53	1 41	0 56	17 35	0 39	17 1	1 45	16 27	0 45	1 36	1 29	26 53	7 51	0 56	1 13	3 1	17 44	4 7
W29	5 52	23 13	4 25	6 16	0 27	18 19	0 56	1 23	0 55	17 38	0 39	17 3	1 45	16 27	0 45	1 35	1 29	26 53	7 51	0 57	1 14	3 4	17 45	4 7
T 30	6 15	26 47	4 59	7 14	0 17	18 41	0 59	1 4	0 55	17 42	0 39	17 4	1 45	16 28	0 45	1 34	1 29	26 53	7 51	0 58	1 15	3 7	17 45	4 7
F 31	6n37	28s35	5s15	8n12	0s 6	19n 3	1n 2	0s45	0s55	17n45	0s39	17n 6	1s45	16n28	0n45	1s33	1s29	26n53	7n51	0s59	1s16	3n11	17n46	4s 7

Julian Day Number = 2161608.5, Delta T = 13m09s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'16, Lahiri = 12°47'16 Julian Calendar 1 March 1206 == Greg. Calendar 8 March 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

APRIL 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 3 36	17♈45'13	6♉ 6	23♈17	22♉ 4	0♈59	22♉19	23♉53	17°R10	29♓33	4°R17	27°R32	26♓46	6♈11	8♊37	S 1
S 2	13 7 32	18°43'44	19° 6	25°24	23°16	1°45	22°32	24° 0	17♌ 9	29°35	4♌17	27°D31	26°43	6°17	8°41	S 2
M 3	13 11 29	19°42'13	1♒44	27°30	24°27	2°30	22°45	24° 7	17° 8	29°37	4°17	27♓32	26°39	6°24	8°44	M 3
T 4	13 15 25	20°40'41	14° 3	29°35	25°38	3°16	22°57	24°14	17° 7	29°39	4°17	27°33	26°36	6°31	8°48	T 4
W 5	13 19 22	21°39'07	26° 8	1♉39	26°50	4° 2	23°10	24°21	17° 7	29°41	4°16	27°35	26°33	6°37	8°52	W 5
T 6	13 23 18	22°37'31	8♓ 2	3°42	28° 1	4°48	23°23	24°28	17° 6	29°43	4°16	27°36	26°30	6°44	8°56	T 6
F 7	13 27 15	23°35'53	19°51	5°42	29°12	5°34	23°36	24°35	17° 5	29°46	4°16	27°38	26°27	6°51	9° 0	F 7
S 8	13 31 11	24°34'14	1♈37	7°41	0♊23	6°20	23°49	24°42	17° 5	29°48	4°16	27°R38	26°23	6°57	9° 4	S 8
S 9	13 35 8	25°32'32	13°24	9°37	1°33	7° 5	24° 3	24°49	17° 4	29°50	4°16	27°37	26°20	7° 4	9° 8	S 9
M10	13 39 5	26°30'50	25°15	11°30	2°44	7°51	24°16	24°56	17° 4	29°52	4°D16	27°34	26°17	7°11	9°13	M10
T 11	13 43 1	27°29'05	7♉10	13°20	3°55	8°37	24°29	25° 4	17° 3	29°54	4°16	27°30	26°14	7°17	9°17	T 11
W12	13 46 58	28°27'18	19°13	15° 7	5° 5	9°22	24°42	25°11	17° 3	29°56	4°16	27°25	26°11	7°24	9°21	W12
T 13	13 50 54	29°25'30	1♊24	16°51	6°16	10° 8	24°55	25°18	17° 3	29°58	4°16	27°20	26° 8	7°31	9°25	T 13
F 14	13 54 51	0♉23'40	13°46	18°31	7°26	10°53	25° 9	25°25	17° 3	0♈ 0	4°16	27°14	26° 4	7°37	9°30	F 14
S 15	13 58 47	1°21'48	26°21	20° 7	8°37	11°39	25°22	25°33	17° 2	0° 2	4°17	27° 9	26° 1	7°44	9°34	S 15
S 16	14 2 44	2°19'54	9♋10	21°40	9°47	12°24	25°35	25°40	17° 2	0° 4	4°17	27° 6	25°58	7°51	9°38	S 16
M17	14 6 40	3°17'58	22°16	23° 9	10°57	13° 9	25°49	25°48	17° 2	0° 6	4°17	27° 4	25°55	7°57	9°43	M17
T 18	14 10 37	4°16'01	5♌40	24°33	12° 7	13°54	26° 2	25°55	17°D 2	0° 8	4°17	27°D 3	25°52	8° 4	9°47	T 18
W19	14 14 34	5°14'01	19°25	25°54	13°17	14°40	26°16	26° 3	17° 2	0°10	4°17	27° 4	25°49	8°10	9°52	W19
T 20	14 18 30	6°11'59	3♍32	27°11	14°27	15°25	26°29	26°10	17° 2	0°12	4°18	27° 5	25°45	8°17	9°56	T 20
F 21	14 22 27	7° 9'55	18° 0	28°23	15°36	16°10	26°43	26°18	17° 3	0°14	4°18	27° 6	25°42	8°24	10° 1	F 21
S 22	14 26 23	8° 7'49	2♎45	29°32	16°46	16°55	26°56	26°25	17° 3	0°16	4°18	27°R 6	25°39	8°30	10° 6	S 22
S 23	14 30 20	9° 5'42	17°43	0♊36	17°55	17°40	27°10	26°33	17° 3	0°18	4°19	27° 5	25°36	8°37	10°10	S 23
M24	14 34 16	10° 3'33	2♏47	1°35	19° 5	18°25	27°24	26°40	17° 3	0°19	4°19	27° 1	25°33	8°44	10°15	M24
T 25	14 38 13	11° 1'22	17°47	2°30	20°14	19°10	27°37	26°48	17° 4	0°21	4°19	26°56	25°29	8°50	10°20	T 25
W26	14 42 9	11°59'11	2♐35	3°21	21°23	19°55	27°51	26°56	17° 4	0°23	4°20	26°49	25°26	8°57	10°24	W26
T 27	14 46 6	12°56'57	17° 2	4° 7	22°32	20°40	28° 5	27° 3	17° 5	0°25	4°20	26°42	25°23	9° 4	10°29	T 27
F 28	14 50 3	13°54'43	1♑ 4	4°49	23°41	21°24	28°19	27°11	17° 5	0°27	4°21	26°36	25°20	9°10	10°34	F 28
S 29	14 53 59	14°52'27	14°37	5°25	24°50	22° 9	28°32	27°19	17° 6	0°28	4°21	26°30	25°17	9°17	10°39	S 29
S 30	14 57 56	15♉50'10	27♑42	5♊57	25♊58	22♈54	28♉46	27♉26	17♌ 6	0♈30	4♌22	26♓27	25♓14	9♈24	10♊44	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 0	28s36	5s12	9n 9	0n 4	19n25	1n 5	0s26	0s54	17n48	0s39	17n 8	1s45	16n28	0n45	1s32	1s29	26n53	7n50	0s59	1s18	3n14	17n47	4s 6
S 2	7 22	27 1	4 54	10 6	0 15	19 46	1 8	0 8	0 54	17 52	0 39	17 10	1 45	16 28	0 45	1 31	1 29	26 52	7 50	0 59	1 19	3 18	17 47	4 6
M 3	7 44	24 6	4 22	11 2	0 26	20 7	1 11	0n11	0 54	17 55	0 38	17 12	1 44	16 29	0 45	1 31	1 29	26 52	7 50	0 59	1 20	3 21	17 48	4 6
T 4	8 7	20 9	3 38	11 57	0 37	20 27	1 14	0 30	0 53	17 59	0 38	17 14	1 44	16 29	0 45	1 30	1 29	26 52	7 50	0 59	1 21	3 25	17 49	4 6
W 5	8 29	15 27	2 45	12 51	0 48	20 47	1 17	0 48	0 53	18 2	0 38	17 16	1 44	16 29	0 45	1 29	1 29	26 52	7 50	0 58	1 23	3 28	17 50	4 6
T 6	8 50	10 14	1 46	13 43	0 59	21 6	1 20	1 7	0 52	18 5	0 38	17 17	1 44	16 29	0 45	1 28	1 29	26 52	7 50	0 57	1 24	3 32	17 50	4 6
F 7	9 12	4 41	0 43	14 34	1 9	21 25	1 23	1 26	0 52	18 9	0 38	17 19	1 44	16 29	0 44	1 27	1 29	26 52	7 50	0 57	1 25	3 35	17 51	4 6
S 8	9 34	0n59	0n22	15 23	1 19	21 43	1 26	1 44	0 52	18 12	0 38	17 21	1 44	16 29	0 44	1 26	1 29	26 52	7 50	0 57	1 26	3 38	17 52	4 6
S 9	9 55	6 38	1 26	16 10	1 29	22 0	1 28	2 3	0 51	18 16	0 38	17 23	1 43	16 30	0 44	1 26	1 29	26 52	7 49	0 57	1 28	3 42	17 52	4 5
M10	10 16	12 4	2 26	16 54	1 38	22 17	1 31	2 21	0 51	18 19	0 37	17 25	1 43	16 30	0 44	1 25	1 29	26 52	7 49	0 58	1 29	3 45	17 53	4 5
T 11	10 37	17 7	3 20	17 37	1 47	22 34	1 34	2 40	0 50	18 22	0 37	17 27	1 43	16 30	0 44	1 24	1 29	26 51	7 49	1 0	1 30	3 49	17 54	4 5
W12	10 58	21 32	4 6	18 17	1 55	22 49	1 37	2 58	0 50	18 26	0 37	17 29	1 43	16 30	0 44	1 23	1 29	26 51	7 49	1 2	1 32	3 52	17 55	4 5
T 13	11 19	25 7	4 41	18 54	2 3	23 5	1 39	3 16	0 49	18 29	0 37	17 31	1 43	16 30	0 44	1 22	1 29	26 51	7 49	1 4	1 33	3 56	17 55	4 5
F 14	11 40	27 34	5 3	19 29	2 10	23 19	1 42	3 35	0 49	18 32	0 37	17 32	1 43	16 30	0 44	1 22	1 29	26 51	7 49	1 6	1 34	3 59	17 56	4 5
S 15	12 0	28 41	5 12	20 2	2 16	23 33	1 44	3 53	0 49	18 36	0 37	17 34	1 43	16 30	0 44	1 21	1 29	26 51	7 48	1 8	1 35	4 2	17 57	4 5
S 16	12 20	28 18	5 5	20 32	2 21	23 46	1 47	4 11	0 48	18 39	0 37	17 36	1 42	16 30	0 44	1 20	1 29	26 51	7 48	1 10	1 37	4 6	17 58	4 5
M17	12 40	26 20	4 42	20 59	2 26	23 59	1 49	4 29	0 48	18 42	0 37	17 38	1 42	16 30	0 44	1 19	1 29	26 50	7 48	1 10	1 38	4 9	17 58	4 5
T 18	13 0	22 52	4 4	21 24	2 29	24 11	1 51	4 47	0 47	18 46	0 36	17 40	1 42	16 30	0 44	1 19	1 29	26 50	7 48	1 11	1 39	4 13	17 59	4 5
W19	13 19	18 5	3 11	21 47	2 32	24 22	1 54	5 5	0 47	18 49	0 36	17 42	1 42	16 30	0 44	1 18	1 29	26 50	7 48	1 10	1 40	4 16	18 0	4 4
T 20	13 39	12 11	2 5	22 7	2 34	24 33	1 56	5 23	0 46	18 52	0 36	17 44	1 42	16 30	0 44	1 17	1 29	26 50	7 48	1 10	1 42	4 20	18 1	4 4
F 21	13 58	5 31	0 49	22 24	2 35	24 43	1 58	5 41	0 46	18 55	0 36	17 46	1 42	16 30	0 44	1 16	1 29	26 50	7 48	1 9	1 43	4 23	18 1	4 4
S 22	14 17	1s34	0s31	22 40	2 35	24 53	2 0	5 59	0 45	18 59	0 36	17 47	1 42	16 30	0 44	1 16	1 29	26 49	7 47	1 9	1 44	4 27	18 2	4 4
S 23	14 35	8 40	1 50	22 52	2 34	25 1	2 2	6 16	0 45	19 2	0 36	17 49	1 42	16 29	0 44	1 15	1 29	26 49	7 47	1 10	1 45	4 30	18 3	4 4
M24	14 54	15 20	3 1	23 3	2 32	25 9	2 4	6 34	0 44	19 5	0 36	17 51	1 42	16 29	0 44	1 14	1 29	26 49	7 47	1 11	1 47	4 33	18 3	4 4
T 25	15 12	21 3	4 0	23 12	2 29	25 17	2 6	6 52	0 44	19 8	0 36	17 53	1 41	16 29	0 44	1 14	1 29	26 49	7 47	1 13	1 48	4 37	18 4	4 4
W26	15 30	25 22	4 42	23 18	2 25	25 24	2 8	7 9	0 43	19 12	0 35	17 55	1 41	16 29	0 44	1 13	1 29	26 48	7 47	1 16	1 49	4 40	18 5	4 4
T 27	15 48	27 57	5 4	23 22	2 21	25 30	2 10	7 27	0 43	19 15	0 35	17 57	1 41	16 29	0 44	1 12	1 30	26 48	7 47	1 19	1 51	4 44	18 6	4 4
F 28	16 5	28 40	5 8	23 24	2 15	25 35	2 11	7 44	0 42	19 18	0 35	17 59	1 41	16 29	0 44	1 11	1 30	26 48	7 47	1 22	1 52	4 47	18 6	4 4
S 29	16 22	27 36	4 53	23 24	2 8	25 40	2 13	8 1	0 42	19 21	0 35	18 0	1 41	16 28	0 44	1 11	1 30	26 48	7 46	1 24	1 53	4 50	18 7	4 4
S 30	16n39	25s 1	4s24	23n22	2n 0	25n44	2n15	8n18	0s41	19n24	0s35	18n 2	1s41	16n28	0n44	1s10	1s30	26n47	7n46	1s25	1s54	4n54	18n 8	4s 4

Julian Day Number = 2161639.5, Delta T = 13m09s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'20, Lahiri = 12°47'21 Julian Calendar 1 Apr. 1206 == Greg. Calendar 8 Apr. 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

MAY 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 1 52	16♉47'52	10♒23	6♊25	27♊ 7	23♈38	29♉ 0	27♉34	17♌ 7	0♈32	4♌23	26°R25	25♓10	9♈30	10♊48	M 1
T 2	15 5 49	17°45'33	22°43	6°47	28°15	24°23	29°14	27°42	17° 8	0°33	4°23	26°D25	25° 7	9°37	10°53	T 2
W 3	15 9 45	18°43'13	4♓47	7° 5	29°23	25° 7	29°27	27°50	17° 8	0°35	4°24	26♓26	25° 4	9°44	10°58	W 3
T 4	15 13 42	19°40'51	16°40	7°18	0♋31	25°52	29°41	27°58	17° 9	0°37	4°24	26°27	25° 1	9°50	11° 3	T 4
F 5	15 17 38	20°38'29	28°27	7°26	1°39	26°36	29°55	28° 5	17°10	0°38	4°25	26°R27	24°58	9°57	11° 8	F 5
S 6	15 21 35	21°36'06	10♈14	7°R29	2°47	27°21	0♊ 9	28°13	17°11	0°40	4°26	26°26	24°54	10° 3	11°13	S 6
S 7	15 25 32	22°33'41	22° 3	7°28	3°55	28° 5	0°23	28°21	17°12	0°42	4°26	26°23	24°51	10°10	11°18	S 7
M 8	15 29 28	23°31'16	3♉59	7°22	5° 2	28°49	0°37	28°29	17°13	0°43	4°27	26°17	24°48	10°17	11°23	M 8
T 9	15 33 25	24°28'49	16° 3	7°12	6°10	29°33	0°51	28°37	17°14	0°45	4°28	26°10	24°45	10°23	11°28	T 9
W10	15 37 21	25°26'22	28°18	6°58	7°17	0♉17	1° 5	28°44	17°15	0°46	4°29	26° 0	24°42	10°30	11°33	W10
T 11	15 41 18	26°23'53	10♊44	6°40	8°24	1° 1	1°19	28°52	17°17	0°48	4°30	25°49	24°39	10°37	11°38	T 11
F 12	15 45 14	27°21'23	23°23	6°18	9°31	1°45	1°32	29° 0	17°18	0°49	4°30	25°38	24°35	10°43	11°44	F 12
S 13	15 49 11	28°18'52	6♋13	5°53	10°38	2°29	1°46	29° 8	17°19	0°51	4°31	25°28	24°32	10°50	11°49	S 13
S 14	15 53 7	29°16'20	19°15	5°26	11°44	3°13	2° 0	29°16	17°21	0°52	4°32	25°21	24°29	10°57	11°54	S 14
M15	15 57 4	0♊13'47	2♌31	4°56	12°51	3°57	2°14	29°23	17°22	0°53	4°33	25°15	24°26	11° 3	11°59	M15
T 16	16 1 1	1°11'12	15°59	4°24	13°57	4°41	2°28	29°31	17°23	0°55	4°34	25°12	24°23	11°10	12° 4	T 16
W17	16 4 57	2° 8'36	29°42	3°51	15° 3	5°25	2°42	29°39	17°25	0°56	4°35	25°D11	24°20	11°17	12° 9	W17
T 18	16 8 54	3° 5'59	13♍40	3°18	16° 9	6° 8	2°56	29°47	17°27	0°57	4°36	25°11	24°16	11°23	12°15	T 18
F 19	16 12 50	4° 3'20	27°53	2°44	17°15	6°52	3°10	29°55	17°28	0°58	4°37	25°R12	24°13	11°30	12°20	F 19
S 20	16 16 47	5° 0'41	12♎19	2°11	18°20	7°35	3°24	0♊ 3	17°30	1° 0	4°38	25°11	24°10	11°37	12°25	S 20
S 21	16 20 43	5°58'00	26°56	1°39	19°26	8°19	3°38	0°10	17°31	1° 1	4°39	25° 7	24° 7	11°43	12°30	S 21
M22	16 24 40	6°55'19	11♏39	1° 9	20°31	9° 2	3°52	0°18	17°33	1° 2	4°40	25° 2	24° 4	11°50	12°35	M22
T 23	16 28 36	7°52'36	26°22	0°41	21°36	9°46	4° 6	0°26	17°35	1° 3	4°41	24°53	24° 0	11°57	12°41	T 23
W24	16 32 33	8°49'53	10♐56	0°15	22°40	10°29	4°20	0°34	17°37	1° 4	4°43	24°43	23°57	12° 3	12°46	W24
T 25	16 36 30	9°47'09	25°14	29♉52	23°45	11°12	4°33	0°42	17°39	1° 5	4°44	24°32	23°54	12°10	12°51	T 25
F 26	16 40 26	10°44'25	9♑11	29°33	24°49	11°56	4°47	0°49	17°41	1° 7	4°45	24°22	23°51	12°17	12°56	F 26
S 27	16 44 23	11°41'40	22°43	29°18	25°53	12°39	5° 1	0°57	17°43	1° 8	4°46	24°13	23°48	12°23	13° 2	S 27
S 28	16 48 19	12°38'55	5♒50	29° 6	26°57	13°22	5°15	1° 5	17°45	1° 9	4°47	24° 6	23°45	12°30	13° 7	S 28
M29	16 52 16	13°36'09	18°32	28°59	28° 0	14° 5	5°29	1°13	17°47	1°10	4°49	24° 2	23°41	12°37	13°12	M29
T 30	16 56 12	14°33'23	0♓53	28°D56	29° 3	14°48	5°43	1°20	17°49	1°11	4°50	23°59	23°38	12°43	13°17	T 30
W31	17 0 9	15♊30'37	12♓58	28♉58	0♌ 6	15♉31	5♊57	1♊28	17♌51	1♈11	4♌51	23°D59	23♓35	12♈50	13♊23	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n56	21s17	3s43	23n18	1n51	25n47	2n16	8n35	0s41	19n27	0s35	18n 4	1s41	16n28	0n44	1s10	1s30	26n47	7n46	1s26	1s56	4n57	18n 8	4s 4
T 2	17 12	16 42	2 52	23 12	1 41	25 49	2 17	8 52	0 40	19 30	0 35	18 6	1 41	16 28	0 44	1 9	1 30	26 47	7 46	1 26	1 57	5 1	18 9	4 4
W 3	17 28	11 34	1 54	23 4	1 30	25 51	2 19	9 9	0 40	19 34	0 35	18 8	1 41	16 27	0 44	1 8	1 30	26 46	7 46	1 25	1 58	5 4	18 10	4 4
T 4	17 44	6 6	0 53	22 55	1 19	25 52	2 20	9 26	0 39	19 37	0 35	18 10	1 41	16 27	0 44	1 8	1 30	26 46	7 46	1 25	1 59	5 8	18 11	4 4
F 5	17 59	0 27	0n11	22 44	1 6	25 53	2 21	9 42	0 38	19 40	0 34	18 11	1 40	16 27	0 43	1 7	1 30	26 46	7 46	1 25	2 1	5 11	18 11	4 4
S 6	18 15	5n11	1 13	22 31	0 52	25 53	2 22	9 59	0 38	19 43	0 34	18 13	1 40	16 27	0 43	1 6	1 30	26 46	7 46	1 25	2 2	5 14	18 12	4 4
S 7	18 30	10 41	2 13	22 16	0 38	25 52	2 23	10 15	0 37	19 46	0 34	18 15	1 40	16 26	0 43	1 6	1 30	26 45	7 45	1 27	2 3	5 18	18 13	4 4
M 8	18 44	15 50	3 7	22 0	0 23	25 50	2 24	10 32	0 37	19 49	0 34	18 17	1 40	16 26	0 43	1 5	1 30	26 45	7 45	1 29	2 4	5 21	18 13	4 4
T 9	18 58	20 26	3 53	21 43	0 7	25 48	2 24	10 48	0 36	19 52	0 34	18 19	1 40	16 25	0 43	1 5	1 30	26 45	7 45	1 32	2 6	5 25	18 14	4 4
W10	19 12	24 15	4 29	21 25	0s10	25 45	2 25	11 4	0 36	19 55	0 34	18 20	1 40	16 25	0 43	1 4	1 30	26 44	7 45	1 36	2 7	5 28	18 15	4 4
T 11	19 26	27 0	4 53	21 5	0 26	25 42	2 26	11 20	0 35	19 58	0 34	18 22	1 40	16 25	0 43	1 4	1 30	26 44	7 45	1 40	2 8	5 31	18 15	4 4
F 12	19 39	28 26	5 3	20 44	0 43	25 38	2 26	11 36	0 34	20 1	0 34	18 24	1 40	16 24	0 43	1 3	1 30	26 44	7 45	1 44	2 9	5 35	18 16	4 4
S 13	19 52	28 22	4 58	20 23	1 1	25 33	2 26	11 52	0 34	20 3	0 34	18 26	1 40	16 24	0 43	1 3	1 30	26 43	7 45	1 48	2 11	5 38	18 17	4 4
S 14	20 5	26 44	4 38	20 1	1 18	25 27	2 26	12 7	0 33	20 6	0 34	18 27	1 40	16 23	0 43	1 2	1 30	26 43	7 44	1 52	2 12	5 42	18 17	4 4
M15	20 17	23 37	4 2	19 39	1 35	25 21	2 26	12 23	0 33	20 9	0 34	18 29	1 40	16 23	0 43	1 2	1 30	26 43	7 44	1 54	2 13	5 45	18 18	4 4
T 16	20 29	19 11	3 13	19 16	1 52	25 14	2 26	12 38	0 32	20 12	0 33	18 31	1 40	16 22	0 43	1 1	1 30	26 42	7 44	1 55	2 15	5 48	18 19	4 4
W17	20 41	13 40	2 11	18 54	2 9	25 7	2 26	12 53	0 32	20 15	0 33	18 33	1 40	16 22	0 43	1 1	1 30	26 42	7 44	1 55	2 16	5 52	18 19	4 4
T 18	20 52	7 23	1 1	18 32	2 25	24 59	2 26	13 8	0 31	20 18	0 33	18 34	1 40	16 21	0 43	1 0	1 30	26 41	7 44	1 55	2 17	5 55	18 20	4 4
F 19	21 3	0 38	0s14	18 11	2 40	24 50	2 26	13 23	0 30	20 20	0 33	18 36	1 40	16 21	0 43	1 0	1 31	26 41	7 44	1 55	2 18	5 59	18 20	4 4
S 20	21 14	6s16	1 30	17 50	2 55	24 41	2 25	13 38	0 30	20 23	0 33	18 38	1 40	16 20	0 43	0 59	1 31	26 41	7 44	1 56	2 20	6 2	18 21	4 4
S 21	21 24	12 55	2 40	17 31	3 8	24 31	2 25	13 53	0 29	20 26	0 33	18 39	1 39	16 20	0 43	0 59	1 31	26 40	7 44	1 57	2 21	6 5	18 22	4 4
M22	21 34	18 53	3 40	17 12	3 21	24 20	2 24	14 7	0 28	20 29	0 33	18 41	1 39	16 19	0 43	0 58	1 31	26 40	7 44	1 59	2 22	6 9	18 22	4 4
T 23	21 43	23 43	4 26	16 56	3 32	24 9	2 23	14 22	0 28	20 31	0 33	18 43	1 39	16 19	0 43	0 58	1 31	26 40	7 43	2 2	2 23	6 12	18 23	4 4
W24	21 52	27 1	4 53	16 41	3 42	23 58	2 22	14 36	0 27	20 34	0 33	18 44	1 39	16 18	0 43	0 57	1 31	26 39	7 43	2 6	2 25	6 16	18 23	4 4
T 25	22 1	28 29	5 2	16 27	3 50	23 45	2 21	14 50	0 27	20 37	0 33	18 46	1 39	16 17	0 43	0 57	1 31	26 39	7 43	2 11	2 26	6 19	18 24	4 4
F 26	22 9	28 5	4 52	16 16	3 58	23 33	2 20	15 4	0 26	20 39	0 33	18 48	1 39	16 17	0 43	0 57	1 31	26 38	7 43	2 15	2 27	6 22	18 25	4 4
S 27	22 17	25 59	4 26	16 7	4 4	23 19	2 18	15 18	0 25	20 42	0 32	18 49	1 39	16 16	0 43	0 56	1 31	26 38	7 43	2 18	2 28	6 26	18 25	4 4
S 28	22 25	22 33	3 46	16 0	4 9	23 6	2 17	15 32	0 25	20 44	0 32	18 51	1 39	16 16	0 43	0 56	1 31	26 38	7 43	2 21	2 30	6 29	18 26	4 4
M29	22 32	18 8	2 56	15 55	4 12	22 51	2 15	15 45	0 24	20 47	0 32	18 52	1 39	16 15	0 43	0 56	1 31	26 37	7 43	2 23	2 31	6 32	18 26	4 5
T 30	22 39	13 4	1 59	15 52	4 14	22 37	2 13	15 58	0 23	20 49	0 32	18 54	1 39	16 14	0 43	0 55	1 31	26 37	7 43	2 24	2 32	6 36	18 27	4 5
W31	22n45	7s37	0s58	15n52	4s15	22n21	2n11	16n12	0s23	20n52	0s32	18n56	1s39	16n14	0n43	0s55	1s31	26n36	7n43	2s24	2s33	6n39	18n27	4s 5

Julian Day Number = 2161669.5, Delta T = 13m09s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'24, Lahiri = 12°47'25 Julian Calendar 1 May 1206 == Greg. Calendar 8 May 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

JUNE 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 4 6	16♊27'50	24♓52	29♉ 4	1♌ 9	16♉13	6♊10	1♊36	17♌53	1♈12	4♌52	23°R59	23♓32	12♈56	13♊28	T 1
F 2	17 8 2	17°25'03	6♈41	29°15	2°11	16°56	6°24	1°43	17°55	1°13	4°54	23♓58	23°29	13° 3	13°33	F 2
S 3	17 11 59	18°22'17	18°29	29°30	3°13	17°39	6°38	1°51	17°58	1°14	4°55	23°56	23°26	13°10	13°39	S 3
S 4	17 15 55	19°19'30	0♉22	29°51	4°15	18°22	6°52	1°58	18° 0	1°15	4°56	23°52	23°22	13°16	13°44	S 4
M 5	17 19 52	20°16'42	12°24	0♊16	5°17	19° 4	7° 5	2° 6	18° 2	1°16	4°58	23°45	23°19	13°23	13°49	M 5
T 6	17 23 48	21°13'55	24°38	0°45	6°18	19°47	7°19	2°14	18° 5	1°16	4°59	23°36	23°16	13°30	13°54	T 6
W 7	17 27 45	22°11'08	7♊ 5	1°19	7°19	20°29	7°33	2°21	18° 7	1°17	5° 1	23°25	23°13	13°36	14° 0	W 7
T 8	17 31 41	23° 8'20	19°48	1°58	8°20	21°12	7°46	2°29	18°10	1°18	5° 2	23°12	23°10	13°43	14° 5	T 8
F 9	17 35 38	24° 5'33	2♋46	2°41	9°20	21°54	8° 0	2°36	18°12	1°18	5° 3	22°59	23° 6	13°50	14°10	F 9
S 10	17 39 35	25° 2'45	15°57	3°29	10°20	22°36	8°14	2°44	18°15	1°19	5° 5	22°47	23° 3	13°56	14°15	S 10
S 11	17 43 31	25°59'57	29°20	4°20	11°20	23°19	8°27	2°51	18°17	1°19	5° 6	22°38	23° 0	14° 3	14°20	S 11
M12	17 47 28	26°57'08	12♌54	5°17	12°19	24° 1	8°41	2°59	18°20	1°20	5° 8	22°31	22°57	14°10	14°26	M12
T 13	17 51 24	27°54'19	26°37	6°17	13°18	24°43	8°54	3° 6	18°23	1°20	5° 9	22°27	22°54	14°16	14°31	T 13
W14	17 55 21	28°51'30	10♍29	7°21	14°16	25°25	9° 8	3°13	18°25	1°21	5°11	22°25	22°51	14°23	14°36	W14
T 15	17 59 17	29°48'40	24°28	8°30	15°14	26° 7	9°21	3°21	18°28	1°21	5°12	22°25	22°47	14°30	14°41	T 15
F 16	18 3 14	0♋45'51	8♎34	9°43	16°12	26°49	9°35	3°28	18°31	1°22	5°14	22°25	22°44	14°36	14°46	F 16
S 17	18 7 10	1°43'00	22°47	10°59	17° 9	27°31	9°48	3°35	18°34	1°22	5°16	22°24	22°41	14°43	14°51	S 17
S 18	18 11 7	2°40'10	7♏ 4	12°20	18° 6	28°13	10° 1	3°42	18°37	1°23	5°17	22°20	22°38	14°50	14°57	S 18
M19	18 15 4	3°37'20	21°24	13°45	19° 2	28°54	10°15	3°49	18°39	1°23	5°19	22°15	22°35	14°56	15° 2	M19
T 20	18 19 0	4°34'29	5♐41	15°13	19°58	29°36	10°28	3°57	18°42	1°23	5°20	22° 6	22°32	15° 3	15° 7	T 20
W21	18 22 57	5°31'39	19°51	16°45	20°53	0♊18	10°41	4° 4	18°45	1°23	5°22	21°56	22°28	15°10	15°12	W21
T 22	18 26 53	6°28'49	3♑49	18°21	21°48	0°59	10°54	4°11	18°48	1°24	5°24	21°45	22°25	15°16	15°17	T 22
F 23	18 30 50	7°25'59	17°30	20° 0	22°42	1°41	11° 7	4°18	18°51	1°24	5°25	21°34	22°22	15°23	15°22	F 23
S 24	18 34 46	8°23'09	0♒51	21°43	23°36	2°22	11°20	4°25	18°54	1°24	5°27	21°24	22°19	15°30	15°27	S 24
S 25	18 38 43	9°20'20	13°50	23°30	24°29	3° 3	11°33	4°32	18°57	1°24	5°29	21°17	22°16	15°36	15°32	S 25
M26	18 42 40	10°17'31	26°29	25°19	25°21	3°45	11°46	4°39	19° 0	1°24	5°30	21°12	22°13	15°43	15°37	M26
T 27	18 46 36	11°14'43	8♓49	27°11	26°13	4°26	11°59	4°45	19° 4	1°24	5°32	21° 9	22° 9	15°50	15°42	T 27
W28	18 50 33	12°11'55	20°54	29° 7	27° 5	5° 7	12°12	4°52	19° 7	1°R24	5°34	21°D 9	22° 6	15°56	15°47	W28
T 29	18 54 29	13° 9'08	2♈49	1♋ 4	27°55	5°48	12°25	4°59	19°10	1°24	5°35	21° 9	22° 3	16° 3	15°52	T 29
F 30	18 58 26	14♋ 6'22	14♈38	3♋ 4	28♌45	6♊29	12♊38	5♊ 6	19♌13	1♈24	5♌37	21°R 9	22♓ 0	16♈ 9	15♊56	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n51	1s58	0n 5	15n54	4s15	22n 5	2n 9	16n25	0s22	20n54	0s32	18n57	1s39	16n13	0n43	0s55	1s31	26n36	7n43	2s24	2s35	6n43	18n28	4s 5
F 2	22 57	3n41	1 7	15 57	4 13	21 49	2 7	16 38	0 22	20 57	0 32	18 59	1 39	16 12	0 43	0 54	1 31	26 36	7 42	2 24	2 36	6 46	18 28	4 5
S 3	23 2	9 13	2 6	16 3	4 11	21 32	2 5	16 50	0 21	20 59	0 32	19 0	1 39	16 11	0 43	0 54	1 31	26 35	7 42	2 25	2 37	6 49	18 29	4 5
S 4	23 7	14 27	3 0	16 11	4 7	21 15	2 2	17 3	0 20	21 2	0 32	19 2	1 39	16 11	0 42	0 54	1 31	26 35	7 42	2 27	2 39	6 53	18 30	4 5
M 5	23 11	19 13	3 46	16 20	4 3	20 58	1 59	17 15	0 20	21 4	0 32	19 3	1 39	16 10	0 42	0 54	1 31	26 34	7 42	2 29	2 40	6 56	18 30	4 5
T 6	23 15	23 16	4 23	16 32	3 57	20 40	1 57	17 27	0 19	21 6	0 32	19 5	1 39	16 9	0 42	0 53	1 31	26 34	7 42	2 33	2 41	6 59	18 30	4 5
W 7	23 19	26 19	4 48	16 45	3 51	20 21	1 54	17 39	0 18	21 9	0 32	19 6	1 39	16 8	0 42	0 53	1 32	26 33	7 42	2 38	2 42	7 3	18 31	4 6
T 8	23 22	28 8	5 0	16 59	3 44	20 2	1 51	17 51	0 18	21 11	0 32	19 8	1 39	16 8	0 42	0 53	1 32	26 33	7 42	2 43	2 44	7 6	18 31	4 6
F 9	23 25	28 27	4 56	17 16	3 36	19 43	1 47	18 3	0 17	21 13	0 31	19 9	1 39	16 7	0 42	0 53	1 32	26 33	7 42	2 48	2 45	7 10	18 32	4 6
S 10	23 27	27 10	4 36	17 33	3 27	19 24	1 44	18 15	0 16	21 15	0 31	19 11	1 39	16 6	0 42	0 53	1 32	26 32	7 42	2 52	2 46	7 13	18 32	4 6
S 11	23 29	24 19	4 1	17 52	3 18	19 4	1 40	18 26	0 16	21 18	0 31	19 12	1 39	16 5	0 42	0 52	1 32	26 32	7 42	2 56	2 47	7 16	18 33	4 6
M12	23 31	20 5	3 13	18 11	3 8	18 44	1 37	18 37	0 15	21 20	0 31	19 14	1 39	16 4	0 42	0 52	1 32	26 31	7 42	2 59	2 49	7 20	18 33	4 6
T 13	23 32	14 46	2 12	18 32	2 58	18 23	1 33	18 48	0 14	21 22	0 31	19 15	1 39	16 3	0 42	0 52	1 32	26 31	7 42	3 1	2 50	7 23	18 34	4 6
W14	23 32	8 38	1 3	18 53	2 47	18 2	1 29	18 59	0 13	21 24	0 31	19 16	1 39	16 2	0 42	0 52	1 32	26 30	7 42	3 1	2 51	7 26	18 34	4 7
T 15	23 33	2 3	0s11	19 15	2 36	17 41	1 25	19 10	0 13	21 26	0 31	19 18	1 39	16 2	0 42	0 52	1 32	26 30	7 42	3 1	2 52	7 30	18 35	4 7
F 16	23 33	4s42	1 24	19 38	2 24	17 20	1 20	19 20	0 12	21 28	0 31	19 19	1 39	16 1	0 42	0 52	1 32	26 29	7 42	3 1	2 54	7 33	18 35	4 7
S 17	23 32	11 16	2 33	20 0	2 12	16 58	1 16	19 30	0 11	21 30	0 31	19 20	1 39	16 0	0 42	0 52	1 32	26 29	7 41	3 2	2 55	7 36	18 35	4 7
S 18	23 31	17 17	3 33	20 23	2 0	16 36	1 11	19 41	0 11	21 32	0 31	19 22	1 39	15 59	0 42	0 52	1 32	26 29	7 41	3 3	2 56	7 40	18 36	4 7
M19	23 30	22 21	4 19	20 46	1 48	16 14	1 6	19 50	0 10	21 34	0 31	19 23	1 39	15 58	0 42	0 51	1 32	26 28	7 41	3 5	2 57	7 43	18 36	4 7
T 20	23 28	26 5	4 49	21 9	1 35	15 51	1 1	20 0	0 9	21 36	0 31	19 24	1 39	15 57	0 42	0 51	1 32	26 28	7 41	3 9	2 59	7 46	18 36	4 8
W21	23 26	28 9	5 1	21 31	1 22	15 29	0 56	20 10	0 9	21 38	0 31	19 26	1 39	15 56	0 42	0 51	1 32	26 27	7 41	3 13	3 0	7 50	18 37	4 8
T 22	23 23	28 24	4 55	21 53	1 9	15 6	0 51	20 19	0 8	21 40	0 31	19 27	1 39	15 55	0 42	0 51	1 32	26 27	7 41	3 17	3 1	7 53	18 37	4 8
F 23	23 20	26 53	4 31	22 14	0 57	14 43	0 45	20 28	0 7	21 42	0 31	19 28	1 39	15 54	0 42	0 51	1 32	26 26	7 41	3 22	3 2	7 56	18 38	4 8
S 24	23 17	23 51	3 54	22 33	0 44	14 20	0 39	20 37	0 6	21 44	0 31	19 30	1 39	15 53	0 42	0 51	1 33	26 26	7 41	3 25	3 4	8 0	18 38	4 8
S 25	23 13	19 41	3 4	22 52	0 31	13 57	0 33	20 46	0 6	21 46	0 30	19 31	1 39	15 52	0 42	0 51	1 33	26 25	7 41	3 28	3 5	8 3	18 38	4 9
M26	23 9	14 44	2 7	23 9	0 19	13 33	0 27	20 55	0 5	21 48	0 30	19 32	1 39	15 51	0 42	0 51	1 33	26 25	7 41	3 30	3 6	8 6	18 38	4 9
T 27	23 4	9 18	1 5	23 24	0 7	13 10	0 21	21 3	0 4	21 50	0 30	19 33	1 39	15 50	0 42	0 51	1 33	26 25	7 41	3 31	3 8	8 10	18 39	4 9
W28	22 59	3 39	0 1	23 38	0n 5	12 46	0 15	21 11	0 4	21 51	0 30	19 34	1 39	15 49	0 42	0 51	1 33	26 24	7 41	3 32	3 9	8 13	18 39	4 9
T 29	22 53	2n 4	1n 2	23 49	0 16	12 22	0 8	21 19	0 3	21 53	0 30	19 36	1 39	15 48	0 42	0 51	1 33	26 24	7 41	3 31	3 10	8 16	18 39	4 9
F 30	22n48	7n40	2n 2	23n58	0n27	11n59	0n 1	21n27	0s 2	21n55	0s30	19n37	1s39	15n47	0n42	0s52	1s33	26n23	7n41	3s31	3s11	8n20	18n40	4s10

Julian Day Number = 2161700.5, Delta T = 13m08s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'29, Lahiri = 12°47'29 Julian Calendar 1 June 1206 == Greg. Calendar 8 June 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

JULY 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 2 22	15♋ 3'36	26♈28	5♋ 6	29♌34	7♊10	12♊51	5♊12	19♌16	1°R24	5♌39	21°R 8	21♓57	16♈16	16♊ 1	S 1
S 2	19 6 19	16° 0'51	8♉24	7°10	0♍23	7°51	13° 3	5°19	19°20	1♈24	5°40	21♓ 6	21°53	16°23	16° 6	S 2
M 3	19 10 15	16°58'07	20°29	9°15	1°11	8°32	13°16	5°26	19°23	1°24	5°42	21° 1	21°50	16°29	16°11	M 3
T 4	19 14 12	17°55'24	2♊50	11°21	1°58	9°13	13°29	5°32	19°26	1°24	5°44	20°54	21°47	16°36	16°16	T 4
W 5	19 18 9	18°52'42	15°27	13°27	2°44	9°54	13°41	5°38	19°30	1°23	5°46	20°45	21°44	16°43	16°20	W 5
T 6	19 22 5	19°50'01	28°23	15°34	3°29	10°34	13°54	5°45	19°33	1°23	5°48	20°35	21°41	16°49	16°25	T 6
F 7	19 26 2	20°47'20	11♋38	17°42	4°14	11°15	14° 6	5°51	19°36	1°23	5°49	20°25	21°38	16°56	16°30	F 7
S 8	19 29 58	21°44'41	25°11	19°49	4°57	11°56	14°18	5°57	19°40	1°23	5°51	20°16	21°34	17° 3	16°34	S 8
S 9	19 33 55	22°42'01	8♌58	21°55	5°40	12°36	14°31	6° 4	19°43	1°22	5°53	20° 8	21°31	17° 9	16°39	S 9
M10	19 37 51	23°39'23	22°56	24° 1	6°22	13°16	14°43	6°10	19°47	1°22	5°55	20° 3	21°28	17°16	16°43	M10
T 11	19 41 48	24°36'45	7♍ 2	26° 6	7° 3	13°57	14°55	6°16	19°50	1°21	5°56	20° 0	21°25	17°23	16°48	T 11
W12	19 45 44	25°34'08	21°12	28°11	7°42	14°37	15° 7	6°22	19°54	1°21	5°58	20°D 0	21°22	17°29	16°52	W12
T 13	19 49 41	26°31'31	5♎24	0♌14	8°21	15°17	15°19	6°28	19°57	1°21	6° 0	20° 0	21°18	17°36	16°57	T 13
F 14	19 53 38	27°28'55	19°35	2°15	8°58	15°57	15°31	6°34	20° 1	1°20	6° 2	20° 1	21°15	17°43	17° 1	F 14
S 15	19 57 34	28°26'20	3♏44	4°16	9°34	16°37	15°43	6°40	20° 4	1°20	6° 4	20°R 1	21°12	17°49	17° 6	S 15
S 16	20 1 31	29°23'45	17°50	6°15	10° 9	17°17	15°55	6°46	20° 8	1°19	6° 6	20° 0	21° 9	17°56	17°10	S 16
M17	20 5 27	0♌21'11	1♐50	8°13	10°43	17°57	16° 7	6°51	20°11	1°18	6° 7	19°56	21° 6	18° 3	17°14	M17
T 18	20 9 24	1°18'38	15°44	10° 9	11°15	18°37	16°18	6°57	20°15	1°18	6° 9	19°51	21° 3	18° 9	17°19	T 18
W19	20 13 20	2°16'06	29°28	12° 4	11°46	19°17	16°30	7° 3	20°18	1°17	6°11	19°44	20°59	18°16	17°23	W19
T 20	20 17 17	3°13'35	13♑ 0	13°57	12°15	19°57	16°41	7° 8	20°22	1°16	6°13	19°36	20°56	18°23	17°27	T 20
F 21	20 21 13	4°11'04	26°18	15°48	12°43	20°36	16°53	7°14	20°26	1°16	6°15	19°29	20°53	18°29	17°31	F 21
S 22	20 25 10	5° 8'35	9♒20	17°38	13°10	21°16	17° 4	7°19	20°29	1°15	6°17	19°22	20°50	18°36	17°35	S 22
S 23	20 29 7	6° 6'07	22° 5	19°27	13°34	21°55	17°15	7°24	20°33	1°14	6°18	19°17	20°47	18°43	17°39	S 23
M24	20 33 3	7° 3'40	4♓34	21°14	13°57	22°35	17°26	7°29	20°37	1°13	6°20	19°14	20°44	18°49	17°43	M24
T 25	20 37 0	8° 1'14	16°48	22°59	14°19	23°14	17°38	7°35	20°40	1°13	6°22	19°D13	20°40	18°56	17°47	T 25
W26	20 40 56	8°58'50	28°50	24°43	14°38	23°54	17°49	7°40	20°44	1°12	6°24	19°13	20°37	19° 3	17°51	W26
T 27	20 44 53	9°56'27	10♈44	26°26	14°56	24°33	17°59	7°45	20°48	1°11	6°26	19°15	20°34	19° 9	17°55	T 27
F 28	20 48 49	10°54'06	22°34	28° 7	15°12	25°12	18°10	7°50	20°51	1°10	6°28	19°16	20°31	19°16	17°59	F 28
S 29	20 52 46	11°51'46	4♉24	29°47	15°26	25°51	18°21	7°54	20°55	1° 9	6°29	19°18	20°28	19°23	18° 2	S 29
S 30	20 56 42	12°49'28	16°20	1♍25	15°38	26°30	18°32	7°59	20°59	1° 8	6°31	19°R18	20°24	19°29	18° 6	S 30
M31	21 0 39	13♌47'12	28♉26	3♍ 1	15♍47	27♊ 9	18♊42	8♊ 4	21♌ 3	1♈ 7	6♌33	19♓17	20♓21	19♈36	18♊10	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n41	13n 0	2n57	24n 4	0n38	11n35	0s 6	21n35	0s 1	21n56	0s30	19n38	1s39	15n46	0n42	0s52	1s33	26n23	7n41	3s32	3s13	8n23	18n40	4s10
S 2	22 35	17 54	3 44	24 8	0 47	11 11	0 13	21 42	0 1	21 58	0 30	19 39	1 39	15 45	0 42	0 52	1 33	26 22	7 41	3 33	3 14	8 26	18 40	4 10
M 3	22 28	22 10	4 22	24 9	0 56	10 47	0 21	21 50	0n 0	22 0	0 30	19 40	1 40	15 44	0 42	0 52	1 33	26 22	7 41	3 34	3 15	8 30	18 40	4 10
T 4	22 20	25 32	4 49	24 8	1 5	10 23	0 28	21 57	0 1	22 1	0 30	19 41	1 40	15 43	0 42	0 52	1 33	26 21	7 41	3 37	3 16	8 33	18 41	4 11
W 5	22 13	27 46	5 3	24 4	1 12	9 59	0 36	22 3	0 2	22 3	0 30	19 42	1 40	15 42	0 42	0 52	1 33	26 21	7 41	3 41	3 18	8 36	18 41	4 11
T 6	22 4	28 33	5 1	23 57	1 19	9 35	0 44	22 10	0 2	22 4	0 30	19 43	1 40	15 41	0 42	0 52	1 33	26 20	7 41	3 45	3 19	8 40	18 41	4 11
F 7	21 56	27 45	4 44	23 47	1 26	9 12	0 52	22 17	0 3	22 6	0 30	19 44	1 40	15 40	0 42	0 52	1 33	26 20	7 41	3 49	3 20	8 43	18 41	4 11
S 8	21 47	25 17	4 10	23 34	1 31	8 48	1 0	22 23	0 4	22 7	0 30	19 45	1 40	15 39	0 42	0 53	1 33	26 20	7 41	3 52	3 21	8 46	18 41	4 12
S 9	21 37	21 20	3 21	23 19	1 35	8 24	1 9	22 29	0 5	22 9	0 30	19 46	1 40	15 38	0 42	0 53	1 33	26 19	7 41	3 55	3 23	8 50	18 42	4 12
M10	21 28	16 8	2 20	23 2	1 39	8 1	1 18	22 35	0 5	22 10	0 30	19 47	1 40	15 37	0 42	0 53	1 33	26 19	7 41	3 57	3 24	8 53	18 42	4 12
T 11	21 18	10 2	1 9	22 42	1 42	7 37	1 27	22 40	0 6	22 12	0 30	19 48	1 40	15 35	0 42	0 53	1 34	26 18	7 41	3 58	3 25	8 56	18 42	4 12
W12	21 7	3 24	0s 6	22 20	1 45	7 14	1 36	22 46	0 7	22 13	0 30	19 49	1 40	15 34	0 42	0 53	1 34	26 18	7 41	3 59	3 26	8 59	18 42	4 13
T 13	20 56	3s24	1 22	21 55	1 46	6 51	1 45	22 51	0 8	22 15	0 30	19 50	1 40	15 33	0 42	0 54	1 34	26 17	7 41	3 59	3 28	9 3	18 42	4 13
F 14	20 45	10 2	2 32	21 29	1 47	6 28	1 55	22 56	0 8	22 16	0 30	19 51	1 40	15 32	0 42	0 54	1 34	26 17	7 41	3 58	3 29	9 6	18 42	4 13
S 15	20 34	16 9	3 33	21 1	1 47	6 6	2 4	23 1	0 9	22 17	0 29	19 52	1 40	15 31	0 42	0 54	1 34	26 17	7 41	3 58	3 30	9 9	18 42	4 14
S 16	20 22	21 23	4 21	20 31	1 47	5 43	2 14	23 6	0 10	22 18	0 29	19 53	1 40	15 30	0 42	0 54	1 34	26 16	7 41	3 59	3 31	9 13	18 43	4 14
M17	20 10	25 23	4 52	20 0	1 46	5 21	2 24	23 10	0 11	22 20	0 29	19 54	1 40	15 29	0 42	0 55	1 34	26 16	7 42	4 0	3 33	9 16	18 43	4 14
T 18	19 57	27 51	5 7	19 27	1 44	5 0	2 35	23 15	0 11	22 21	0 29	19 55	1 40	15 27	0 42	0 55	1 34	26 15	7 42	4 2	3 34	9 19	18 43	4 15
W19	19 44	28 36	5 3	18 53	1 42	4 38	2 45	23 19	0 12	22 22	0 29	19 56	1 41	15 26	0 42	0 55	1 34	26 15	7 42	4 5	3 35	9 23	18 43	4 15
T 20	19 31	27 36	4 43	18 18	1 39	4 17	2 56	23 23	0 13	22 23	0 29	19 57	1 41	15 25	0 42	0 56	1 34	26 14	7 42	4 8	3 36	9 26	18 43	4 15
F 21	19 18	25 1	4 7	17 42	1 36	3 56	3 7	23 26	0 14	22 25	0 29	19 57	1 41	15 24	0 42	0 56	1 34	26 14	7 42	4 11	3 38	9 29	18 43	4 15
S 22	19 4	21 12	3 19	17 5	1 32	3 36	3 18	23 30	0 14	22 26	0 29	19 58	1 41	15 23	0 42	0 56	1 34	26 14	7 42	4 14	3 39	9 32	18 43	4 16
S 23	18 50	16 27	2 22	16 27	1 28	3 16	3 29	23 33	0 15	22 27	0 29	19 59	1 41	15 22	0 42	0 57	1 34	26 13	7 42	4 15	3 40	9 36	18 43	4 16
M24	18 35	11 6	1 19	15 48	1 23	2 57	3 40	23 36	0 16	22 28	0 29	20 0	1 41	15 20	0 42	0 57	1 34	26 13	7 42	4 17	3 41	9 39	18 43	4 16
T 25	18 21	5 26	0 13	15 9	1 18	2 38	3 52	23 39	0 17	22 29	0 29	20 1	1 41	15 19	0 42	0 57	1 34	26 12	7 42	4 17	3 43	9 42	18 43	4 17
W26	18 5	0n20	0n52	14 29	1 13	2 20	4 3	23 42	0 18	22 30	0 29	20 1	1 41	15 18	0 42	0 58	1 34	26 12	7 42	4 17	3 44	9 45	18 43	4 17
T 27	17 50	6 1	1 54	13 49	1 7	2 2	4 15	23 44	0 18	22 31	0 29	20 2	1 41	15 17	0 42	0 58	1 34	26 12	7 42	4 16	3 45	9 49	18 43	4 17
F 28	17 34	11 28	2 52	13 8	1 1	1 45	4 27	23 47	0 19	22 32	0 29	20 3	1 41	15 16	0 42	0 59	1 34	26 11	7 42	4 16	3 46	9 52	18 43	4 18
S 29	17 18	16 31	3 41	12 27	0 55	1 29	4 39	23 49	0 20	22 33	0 29	20 3	1 41	15 15	0 42	0 59	1 34	26 11	7 42	4 15	3 48	9 55	18 43	4 18
S 30	17 2	20 58	4 22	11 46	0 48	1 13	4 51	23 51	0 21	22 34	0 29	20 4	1 41	15 13	0 42	0 59	1 34	26 10	7 42	4 15	3 49	9 59	18 43	4 18
M31	16n46	24n38	4n52	11n 5	0n41	0n58	5s 3	23n52	0n22	22n35	0s29	20n 5	1s42	15n12	0n42	1s 0	1s35	26n10	7n43	4s16	3s50	10n 2	18n43	4s19

Julian Day Number = 2161730.5, Delta T = 13m08s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'33, Lahiri = 12°47'33 Julian Calendar 1 July 1206 == Greg. Calendar 8 July 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

AUGUST 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 36	14♌44'57	10♊48	4♍37	15♍55	27♊48	18♊53	8♊ 9	21♌ 6	1°R 6	6♌35	19°R14	20♓18	19♈43	18♊13	T 1
W 2	21 8 32	15°42'44	23°28	6°11	16° 1	28°27	19° 3	8°13	21°10	1♈ 5	6°37	19♓10	20°15	19°49	18°17	W 2
T 3	21 12 29	16°40'33	6♋31	7°43	16° 4	29° 6	19°13	8°18	21°14	1° 4	6°39	19° 5	20°12	19°56	18°20	T 3
F 4	21 16 25	17°38'23	19°57	9°14	16°R 5	29°44	19°23	8°22	21°18	1° 3	6°40	19° 0	20° 9	20° 3	18°24	F 4
S 5	21 20 22	18°36'15	3♌44	10°43	16° 4	0♋23	19°33	8°26	21°21	1° 2	6°42	18°56	20° 5	20° 9	18°27	S 5
S 6	21 24 18	19°34'09	17°51	12°11	16° 0	1° 1	19°43	8°30	21°25	1° 1	6°44	18°52	20° 2	20°16	18°30	S 6
M 7	21 28 15	20°32'04	2♍14	13°38	15°54	1°40	19°53	8°34	21°29	1° 0	6°46	18°50	19°59	20°23	18°34	M 7
T 8	21 32 11	21°30'00	16°45	15° 3	15°46	2°18	20° 3	8°38	21°33	0°58	6°48	18°D49	19°56	20°29	18°37	T 8
W 9	21 36 8	22°27'58	1♎21	16°27	15°35	2°57	20°12	8°42	21°36	0°57	6°49	18°49	19°53	20°36	18°40	W 9
T 10	21 40 5	23°25'57	15°54	17°49	15°22	3°35	20°22	8°46	21°40	0°56	6°51	18°51	19°50	20°43	18°43	T 10
F 11	21 44 1	24°23'58	0♏21	19° 9	15° 7	4°13	20°31	8°50	21°44	0°55	6°53	18°52	19°46	20°49	18°46	F 11
S 12	21 47 58	25°22'00	14°38	20°28	14°49	4°51	20°40	8°54	21°48	0°53	6°55	18°53	19°43	20°56	18°49	S 12
S 13	21 51 54	26°20'04	28°42	21°45	14°29	5°29	20°50	8°57	21°51	0°52	6°56	18°R53	19°40	21° 3	18°52	S 13
M14	21 55 51	27°18'09	12♐33	23° 1	14° 7	6° 7	20°59	9° 1	21°55	0°51	6°58	18°53	19°37	21° 9	18°55	M14
T 15	21 59 47	28°16'15	26°10	24°15	13°42	6°45	21° 8	9° 4	21°59	0°49	7° 0	18°51	19°34	21°16	18°58	T 15
W16	22 3 44	29°14'23	9♑32	25°27	13°16	7°23	21°16	9° 7	22° 3	0°48	7° 2	18°49	19°30	21°23	19° 0	W16
T 17	22 7 40	0♒12'33	22°41	26°36	12°47	8° 0	21°25	9°10	22° 6	0°47	7° 3	18°46	19°27	21°29	19° 3	T 17
F 18	22 11 37	1°10'44	5♓35	27°44	12°17	8°38	21°33	9°14	22°10	0°45	7° 5	18°43	19°24	21°36	19° 5	F 18
S 19	22 15 34	2° 8'56	18°16	28°50	11°46	9°15	21°42	9°17	22°14	0°44	7° 7	18°41	19°21	21°43	19° 8	S 19
S 20	22 19 30	3° 7'11	0♈44	29°54	11°13	9°53	21°50	9°19	22°17	0°43	7° 8	18°40	19°18	21°49	19°10	S 20
M21	22 23 27	4° 5'27	13° 0	0♎55	10°38	10°30	21°58	9°22	22°21	0°41	7°10	18°D39	19°15	21°56	19°13	M21
T 22	22 27 23	5° 3'44	25° 5	1°53	10° 3	11° 7	22° 6	9°25	22°25	0°40	7°12	18°39	19°11	22° 3	19°15	T 22
W23	22 31 20	6° 2'04	7♉ 3	2°49	9°27	11°45	22°14	9°27	22°28	0°38	7°13	18°40	19° 8	22° 9	19°17	W23
T 24	22 35 16	7° 0'26	18°54	3°42	8°50	12°22	22°22	9°30	22°32	0°37	7°15	18°41	19° 5	22°16	19°20	T 24
F 25	22 39 13	7°58'50	0♉43	4°32	8°13	12°59	22°29	9°32	22°36	0°35	7°17	18°42	19° 2	22°23	19°22	F 25
S 26	22 43 9	8°57'16	12°33	5°19	7°36	13°36	22°37	9°35	22°39	0°34	7°18	18°43	18°59	22°29	19°24	S 26
S 27	22 47 6	9°55'44	24°28	6° 2	6°59	14°13	22°44	9°37	22°43	0°32	7°20	18°43	18°56	22°36	19°26	S 27
M28	22 51 3	10°54'15	6♊33	6°42	6°23	14°49	22°51	9°39	22°47	0°31	7°22	18°R44	18°52	22°43	19°28	M28
T 29	22 54 59	11°52'48	18°52	7°17	5°47	15°26	22°58	9°41	22°50	0°29	7°23	18°44	18°49	22°49	19°29	T 29
W30	22 58 56	12°51'23	1♋30	7°48	5°12	16° 3	23° 5	9°43	22°54	0°27	7°25	18°43	18°46	22°56	19°31	W30
T 31	23 2 52	13♍50'00	14♋31	8♎14	4♍38	16♋39	23♊12	9♊44	22♌57	0♈26	7♌26	18♓43	18♓43	23♈ 3	19♊33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n29	27n15	5n 9	10n23	0n34	0n44	5s15	23n54	0n22	22n36	0s29	20n 5	1s42	15n11	0n42	1s 0	1s35	26n10	7n43	4s17	3s52	10n 5	18n43	4s19
W 2	16 12	28 34	5 11	9 42	0 27	0 31	5 28	23 55	0 23	22 37	0 29	20 6	1 42	15 10	0 42	1 1	1 35	26 9	7 43	4 18	3 53	10 8	18 43	4 20
T 3	15 54	28 20	4 58	9 0	0 19	0 18	5 40	23 56	0 24	22 38	0 29	20 7	1 42	15 9	0 42	1 1	1 35	26 9	7 43	4 20	3 54	10 12	18 43	4 20
F 4	15 37	26 28	4 28	8 19	0 11	0 6	5 52	23 57	0 25	22 38	0 29	20 7	1 42	15 7	0 42	1 2	1 35	26 8	7 43	4 22	3 55	10 15	18 43	4 20
S 5	15 19	23 0	3 42	7 38	0 3	0s 4	6 4	23 58	0 26	22 39	0 29	20 8	1 42	15 6	0 42	1 2	1 35	26 8	7 43	4 24	3 57	10 18	18 43	4 21
S 6	15 1	18 7	2 42	6 56	0s 5	0 14	6 16	23 59	0 26	22 40	0 29	20 8	1 42	15 5	0 42	1 3	1 35	26 8	7 43	4 25	3 58	10 21	18 43	4 21
M 7	14 43	12 7	1 30	6 15	0 13	0 23	6 28	23 59	0 27	22 41	0 29	20 9	1 42	15 4	0 42	1 3	1 35	26 7	7 43	4 26	3 59	10 25	18 42	4 21
T 8	14 24	5 25	0 11	5 35	0 22	0 30	6 40	23 59	0 28	22 42	0 29	20 9	1 42	15 2	0 42	1 4	1 35	26 7	7 43	4 27	4 0	10 28	18 42	4 22
W 9	14 5	1s35	1s 8	4 54	0 30	0 37	6 51	24 0	0 29	22 42	0 29	20 10	1 42	15 1	0 42	1 4	1 35	26 7	7 44	4 26	4 2	10 31	18 42	4 22
T 10	13 46	8 29	2 23	4 14	0 39	0 42	7 2	23 59	0 30	22 43	0 29	20 10	1 43	15 0	0 42	1 5	1 35	26 6	7 44	4 26	4 3	10 34	18 42	4 23
F 11	13 27	14 54	3 29	3 35	0 48	0 46	7 13	23 59	0 30	22 44	0 28	20 11	1 43	14 59	0 42	1 5	1 35	26 6	7 44	4 25	4 4	10 37	18 42	4 23
S 12	13 7	20 26	4 21	2 55	0 57	0 49	7 24	23 59	0 31	22 45	0 28	20 11	1 43	14 58	0 42	1 6	1 35	26 6	7 44	4 25	4 5	10 41	18 42	4 23
S 13	12 48	24 46	4 56	2 17	1 6	0 51	7 34	23 58	0 32	22 45	0 28	20 12	1 43	14 56	0 42	1 6	1 35	26 5	7 44	4 25	4 7	10 44	18 42	4 24
M14	12 28	27 34	5 13	1 38	1 15	0 51	7 43	23 57	0 33	22 46	0 28	20 12	1 43	14 55	0 42	1 7	1 35	26 5	7 44	4 25	4 8	10 47	18 41	4 24
T 15	12 8	28 42	5 12	1 1	1 24	0 50	7 53	23 56	0 34	22 46	0 28	20 13	1 43	14 54	0 42	1 7	1 35	26 5	7 44	4 26	4 9	10 50	18 41	4 25
W16	11 47	28 6	4 55	0 24	1 33	0 48	8 1	23 55	0 35	22 47	0 28	20 13	1 43	14 53	0 42	1 8	1 35	26 4	7 45	4 27	4 10	10 54	18 41	4 25
T 17	11 27	25 56	4 22	0s12	1 42	0 45	8 9	23 54	0 36	22 48	0 28	20 13	1 43	14 52	0 42	1 9	1 35	26 4	7 45	4 28	4 12	10 57	18 41	4 25
F 18	11 6	22 27	3 36	0 47	1 51	0 40	8 16	23 52	0 36	22 48	0 28	20 14	1 43	14 50	0 42	1 9	1 35	26 4	7 45	4 29	4 13	11 0	18 41	4 26
S 19	10 45	17 57	2 40	1 22	2 0	0 34	8 23	23 50	0 37	22 49	0 28	20 14	1 44	14 49	0 42	1 10	1 35	26 3	7 45	4 30	4 14	11 3	18 40	4 26
S 20	10 24	12 47	1 38	1 55	2 9	0 27	8 28	23 48	0 38	22 49	0 28	20 14	1 44	14 48	0 42	1 10	1 35	26 3	7 45	4 30	4 15	11 6	18 40	4 27
M21	10 3	7 11	0 31	2 28	2 18	0 18	8 33	23 46	0 39	22 50	0 28	20 15	1 44	14 47	0 42	1 11	1 35	26 3	7 45	4 31	4 17	11 10	18 40	4 27
T 22	9 42	1 25	0n36	2 59	2 26	0 9	8 37	23 44	0 40	22 50	0 28	20 15	1 44	14 46	0 42	1 12	1 35	26 3	7 46	4 31	4 18	11 13	18 40	4 28
W23	9 20	4n20	1 40	3 29	2 35	0n 2	8 40	23 42	0 41	22 51	0 28	20 15	1 44	14 44	0 42	1 12	1 35	26 2	7 46	4 30	4 19	11 16	18 40	4 28
T 24	8 59	9 54	2 40	3 58	2 43	0 13	8 42	23 39	0 42	22 51	0 28	20 15	1 44	14 43	0 42	1 13	1 35	26 2	7 46	4 30	4 20	11 19	18 39	4 28
F 25	8 37	15 5	3 33	4 26	2 51	0 26	8 44	23 37	0 42	22 52	0 28	20 16	1 44	14 42	0 42	1 13	1 35	26 2	7 46	4 30	4 22	11 22	18 39	4 29
S 26	8 15	19 44	4 16	4 52	2 59	0 39	8 44	23 34	0 43	22 52	0 28	20 16	1 44	14 41	0 42	1 14	1 36	26 2	7 46	4 29	4 23	11 26	18 39	4 29
S 27	7 53	23 38	4 49	5 16	3 7	0 53	8 43	23 31	0 44	22 53	0 28	20 16	1 44	14 40	0 42	1 15	1 36	26 1	7 46	4 29	4 24	11 29	18 38	4 30
M28	7 31	26 35	5 10	5 38	3 14	1 8	8 42	23 28	0 45	22 53	0 28	20 16	1 45	14 38	0 42	1 15	1 36	26 1	7 47	4 29	4 25	11 32	18 38	4 30
T 29	7 8	28 21	5 17	5 58	3 21	1 23	8 39	23 24	0 46	22 54	0 28	20 16	1 45	14 37	0 42	1 16	1 36	26 1	7 47	4 29	4 27	11 35	18 38	4 31
W30	6 46	28 42	5 9	6 16	3 27	1 39	8 36	23 21	0 47	22 54	0 28	20 17	1 45	14 36	0 42	1 17	1 36	26 1	7 47	4 29	4 28	11 38	18 38	4 31
T 31	6n23	27n29	4n46	6s32	3s33	1n55	8s31	23n17	0n48	22n54	0s28	20n17	1s45	14n35	0n42	1s17	1s36	26n 0	7n47	4s29	4s29	11n42	18n37	4s31

Julian Day Number = 2161761.5, Delta T = 13m08s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'37, Lahiri = 12°47'37 Julian Calendar 1 Aug. 1206 == Greg. Calendar 8 Aug. 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

SEPTEMBER 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 6 49	14♍48'39	27♋57	8♎35	4°R 6	17♋16	23♊18	9♊46	23♌ 1	0°R24	7♌28	18°R42	18♓40	23♈ 9	19♊34	F 1
S 2	23 10 45	15°47'21	11♌48	8°51	3♍34	17°52	23°25	9°48	23° 5	0♈23	7°29	18♓42	18°36	23°16	19°36	S 2
S 3	23 14 42	16°46'05	26° 5	9° 0	3° 5	18°28	23°31	9°49	23° 8	0°21	7°31	18°42	18°33	23°23	19°37	S 3
M 4	23 18 38	17°44'50	10♍42	9°R 4	2°38	19° 4	23°37	9°50	23°12	0°20	7°32	18°42	18°30	23°29	19°39	M 4
T 5	23 22 35	18°43'38	25°34	9° 1	2°12	19°41	23°43	9°52	23°15	0°18	7°34	18°42	18°27	23°36	19°40	T 5
W 6	23 26 32	19°42'28	10♎33	8°51	1°48	20°17	23°49	9°53	23°19	0°16	7°35	18°42	18°24	23°43	19°41	W 6
T 7	23 30 28	20°41'20	25°31	8°34	1°27	20°52	23°54	9°54	23°22	0°15	7°37	18°41	18°21	23°49	19°42	T 7
F 8	23 34 25	21°40'13	10♏20	8° 9	1° 8	21°28	24° 0	9°55	23°25	0°13	7°38	18°41	18°17	23°56	19°44	F 8
S 9	23 38 21	22°39'09	24°53	7°37	0°51	22° 4	24° 5	9°55	23°29	0°11	7°39	18°41	18°14	24° 3	19°45	S 9
S 10	23 42 18	23°38'06	9♐ 7	6°58	0°37	22°39	24°10	9°56	23°32	0°10	7°41	18°41	18°11	24° 9	19°45	S 10
M11	23 46 14	24°37'05	23° 0	6°12	0°24	23°15	24°15	9°56	23°36	0° 8	7°42	18°D40	18° 8	24°16	19°46	M11
T 12	23 50 11	25°36'06	6♑30	5°19	0°15	23°50	24°20	9°57	23°39	0° 6	7°44	18°41	18° 5	24°23	19°47	T 12
W13	23 54 7	26°35'09	19°41	4°20	0° 7	24°26	24°25	9°57	23°42	0° 5	7°45	18°41	18° 2	24°29	19°48	W13
T 14	23 58 4	27°34'13	2♒33	3°16	0° 3	25° 1	24°29	9°57	23°46	0° 3	7°46	18°42	17°58	24°36	19°48	T 14
F 15	0 2 1	28°33'19	15° 9	2° 8	0° 0	25°36	24°33	9°R58	23°49	0° 1	7°47	18°43	17°55	24°43	19°49	F 15
S 16	0 5 57	29°32'27	27°31	0°59	0°D 0	26°11	24°37	9°58	23°52	29♓59	7°49	18°44	17°52	24°49	19°49	S 16
S 17	0 9 54	0♎31'37	9♓43	29♍49	0° 2	26°46	24°41	9°57	23°55	29°58	7°50	18°44	17°49	24°56	19°50	S 17
M18	0 13 50	1°30'49	21°47	28°41	0° 7	27°20	24°45	9°57	23°58	29°56	7°51	18°R44	17°46	25° 3	19°50	M18
T 19	0 17 47	2°30'03	3♈44	27°37	0°14	27°55	24°48	9°57	24° 2	29°55	7°52	18°44	17°42	25° 9	19°50	T 19
W20	0 21 43	3°29'19	15°36	26°37	0°23	28°29	24°52	9°56	24° 5	29°53	7°54	18°43	17°39	25°16	19°50	W20
T 21	0 25 40	4°28'37	27°25	25°45	0°35	29° 4	24°55	9°56	24° 8	29°51	7°55	18°41	17°36	25°23	19°R50	T 21
F 22	0 29 36	5°27'58	9♉15	25° 2	0°48	29°38	24°58	9°55	24°11	29°50	7°56	18°38	17°33	25°29	19°50	F 22
S 23	0 33 33	6°27'20	21° 6	24°28	1° 4	0♌12	25° 1	9°54	24°14	29°48	7°57	18°35	17°30	25°36	19°50	S 23
S 24	0 37 29	7°26'45	3♊ 3	24° 4	1°21	0°46	25° 3	9°54	24°17	29°46	7°58	18°32	17°27	25°43	19°50	S 24
M25	0 41 26	8°26'13	15° 8	23°52	1°41	1°20	25° 6	9°53	24°20	29°45	7°59	18°30	17°23	25°49	19°50	M25
T 26	0 45 23	9°25'42	27°25	23°D50	2° 2	1°54	25° 8	9°51	24°23	29°43	8° 0	18°29	17°20	25°56	19°50	T 26
W27	0 49 19	10°25'14	9♋59	24° 0	2°26	2°28	25°10	9°50	24°26	29°41	8° 1	18°D28	17°17	26° 3	19°49	W27
T 28	0 53 16	11°24'49	22°53	24°19	2°51	3° 2	25°12	9°49	24°28	29°40	8° 2	18°28	17°14	26°10	19°49	T 28
F 29	0 57 12	12°24'25	6♌11	24°49	3°18	3°35	25°13	9°47	24°31	29°38	8° 3	18°30	17°11	26°16	19°48	F 29
S 30	1 1 9	13♎24'04	19♌55	25♍28	3♍46	4♌ 8	25♊15	9♊46	24♌34	29♓37	8♌ 4	18♓31	17♓ 7	26♈23	19♊48	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n 0	24n41	4n 6	6s45	3s38	2n11	8s26	23n14	0n49	22n55	0s28	20n17	1s45	14n34	0n42	1s18	1s36	26n 0	7n47	4s29	4s30	11n45	18n37	4s32
S 2	5 38	20 23	3 11	6 56	3 43	2 28	8 20	23 10	0 49	22 55	0 28	20 17	1 45	14 33	0 42	1 19	1 36	26 0	7 48	4 29	4 32	11 48	18 37	4 32
S 3	5 15	14 48	2 2	7 3	3 46	2 44	8 14	23 6	0 50	22 55	0 28	20 17	1 45	14 31	0 42	1 19	1 36	26 0	7 48	4 29	4 33	11 51	18 36	4 33
M 4	4 52	8 16	0 44	7 7	3 49	3 1	8 6	23 2	0 51	22 56	0 28	20 17	1 45	14 30	0 42	1 20	1 36	26 0	7 48	4 29	4 34	11 54	18 36	4 33
T 5	4 29	1 11	0s38	7 7	3 51	3 17	7 58	22 57	0 52	22 56	0 28	20 17	1 46	14 29	0 42	1 21	1 36	25 59	7 48	4 29	4 35	11 57	18 36	4 34
W 6	4 6	6s 0	1 58	7 4	3 52	3 34	7 50	22 53	0 53	22 56	0 28	20 17	1 46	14 28	0 42	1 21	1 36	25 59	7 48	4 30	4 37	12 1	18 35	4 34
T 7	3 42	12 52	3 11	6 57	3 51	3 50	7 40	22 48	0 54	22 57	0 28	20 17	1 46	14 27	0 42	1 22	1 36	25 59	7 49	4 30	4 38	12 4	18 35	4 35
F 8	3 19	18 55	4 9	6 45	3 49	4 6	7 31	22 44	0 55	22 57	0 28	20 17	1 46	14 26	0 42	1 23	1 36	25 59	7 49	4 30	4 39	12 7	18 34	4 35
S 9	2 56	23 46	4 51	6 29	3 45	4 21	7 21	22 39	0 56	22 57	0 28	20 17	1 46	14 25	0 42	1 23	1 36	25 59	7 49	4 30	4 40	12 10	18 34	4 36
S 10	2 32	27 4	5 13	6 8	3 40	4 36	7 10	22 34	0 57	22 57	0 28	20 17	1 46	14 24	0 42	1 24	1 36	25 58	7 49	4 30	4 42	12 13	18 34	4 36
M11	2 9	28 38	5 16	5 43	3 32	4 50	6 59	22 29	0 58	22 58	0 28	20 17	1 46	14 23	0 42	1 25	1 36	25 58	7 50	4 30	4 43	12 16	18 33	4 36
T 12	1 45	28 25	5 2	5 14	3 23	5 4	6 48	22 24	0 59	22 58	0 28	20 17	1 46	14 21	0 42	1 25	1 36	25 58	7 50	4 30	4 44	12 19	18 33	4 37
W13	1 22	26 35	4 32	4 40	3 12	5 17	6 37	22 18	1 0	22 58	0 27	20 17	1 47	14 20	0 42	1 26	1 36	25 58	7 50	4 30	4 45	12 23	18 32	4 37
T 14	0 58	23 24	3 49	4 3	2 59	5 30	6 25	22 13	1 0	22 58	0 27	20 17	1 47	14 19	0 42	1 27	1 36	25 58	7 50	4 29	4 47	12 26	18 32	4 38
F 15	0 35	19 10	2 56	3 22	2 44	5 42	6 13	22 7	1 1	22 59	0 27	20 17	1 47	14 18	0 42	1 27	1 36	25 58	7 51	4 29	4 48	12 29	18 32	4 38
S 16	0 11	14 11	1 55	2 39	2 28	5 53	6 1	22 2	1 2	22 59	0 27	20 17	1 47	14 17	0 42	1 28	1 36	25 58	7 51	4 29	4 49	12 32	18 31	4 39
S 17	0s13	8 44	0 50	1 55	2 10	6 3	5 49	21 56	1 3	22 59	0 27	20 17	1 47	14 16	0 42	1 29	1 36	25 58	7 51	4 28	4 50	12 35	18 31	4 39
M18	0 36	3 1	0n17	1 10	1 51	6 13	5 37	21 50	1 4	22 59	0 27	20 16	1 47	14 15	0 42	1 29	1 36	25 58	7 51	4 28	4 51	12 38	18 30	4 40
T 19	1 0	2n45	1 22	0 26	1 31	6 22	5 25	21 44	1 5	22 59	0 27	20 16	1 47	14 14	0 42	1 30	1 36	25 57	7 51	4 29	4 53	12 41	18 30	4 40
W20	1 24	8 22	2 23	0n16	1 10	6 30	5 13	21 38	1 6	22 59	0 27	20 16	1 47	14 13	0 42	1 31	1 36	25 57	7 52	4 29	4 54	12 45	18 29	4 41
T 21	1 47	13 41	3 18	0 56	0 50	6 38	5 1	21 32	1 7	23 0	0 27	20 16	1 47	14 12	0 42	1 31	1 36	25 57	7 52	4 30	4 55	12 48	18 29	4 41
F 22	2 11	18 29	4 4	1 32	0 30	6 44	4 49	21 26	1 8	23 0	0 27	20 16	1 48	14 11	0 42	1 32	1 36	25 57	7 52	4 31	4 56	12 51	18 28	4 42
S 23	2 34	22 36	4 40	2 3	0 10	6 50	4 37	21 19	1 9	23 0	0 27	20 16	1 48	14 10	0 42	1 33	1 36	25 57	7 53	4 32	4 58	12 54	18 28	4 42
S 24	2 58	25 49	5 4	2 30	0n 9	6 55	4 25	21 13	1 10	23 0	0 27	20 15	1 48	14 9	0 42	1 33	1 36	25 57	7 53	4 33	4 59	12 57	18 28	4 43
M25	3 22	27 55	5 15	2 51	0 26	6 59	4 13	21 6	1 11	23 0	0 27	20 15	1 48	14 8	0 42	1 34	1 36	25 57	7 53	4 34	5 0	13 0	18 27	4 43
T 26	3 45	28 42	5 11	3 6	0 42	7 2	4 1	21 0	1 12	23 0	0 27	20 15	1 48	14 7	0 42	1 35	1 36	25 57	7 53	4 35	5 1	13 3	18 27	4 43
W27	4 9	28 2	4 53	3 16	0 57	7 5	3 50	20 53	1 13	23 0	0 27	20 14	1 48	14 6	0 42	1 35	1 36	25 57	7 54	4 35	5 3	13 6	18 26	4 44
T 28	4 32	25 52	4 20	3 20	1 10	7 7	3 38	20 46	1 14	23 0	0 27	20 14	1 48	14 5	0 43	1 36	1 36	25 57	7 54	4 35	5 4	13 9	18 26	4 44
F 29	4 55	22 14	3 32	3 19	1 22	7 8	3 27	20 39	1 15	23 1	0 27	20 14	1 48	14 4	0 43	1 37	1 36	25 57	7 54	4 34	5 5	13 12	18 25	4 45
S 30	5s19	17n18	2n31	3n13	1n32	7n 8	3s16	20n33	1n16	23n 1	0s27	20n14	1s48	14n 4	0n43	1s37	1s36	25n57	7n54	4s34	5s 6	13n16	18n25	4s45

Julian Day Number = 2161792.5, Delta T = 13m08s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'41, Lahiri = 12°47'42 Julian Calendar 1 Sept. 1206 == Greg. Calendar 8 Sept. 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

OCTOBER 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 5	14♎23'46	4♍ 6	26♍16	4♍16	4♌42	25♊16	9°R44	24♌37	29°R35	8♌ 5	18♓32	17♓ 4	26♈30	19°R47	S 1
M 2	1 9 2	15°23'29	18°43	27°11	4°48	5°15	25°17	9♊42	24°40	29♓33	8° 6	18°R33	17° 1	26°36	19♊46	M 2
T 3	1 12 58	16°23'15	3♎41	28°14	5°21	5°48	25°18	9°41	24°42	29°32	8° 7	18°32	16°58	26°43	19°45	T 3
W 4	1 16 55	17°23'02	18°52	29°22	5°55	6°20	25°18	9°39	24°45	29°30	8° 8	18°30	16°55	26°50	19°44	W 4
T 5	1 20 52	18°22'52	4♏ 7	0♎36	6°31	6°53	25°19	9°37	24°47	29°29	8° 8	18°27	16°52	26°56	19°43	T 5
F 6	1 24 48	19°22'44	19°16	1°54	7° 8	7°26	25°19	9°34	24°50	29°27	8° 9	18°22	16°48	27° 3	19°42	F 6
S 7	1 28 45	20°22'37	4♐ 8	3°16	7°46	7°58	25°R19	9°32	24°53	29°25	8°10	18°18	16°45	27°10	19°41	S 7
S 8	1 32 41	21°22'33	18°38	4°41	8°26	8°30	25°19	9°30	24°55	29°24	8°11	18°13	16°42	27°16	19°40	S 8
M 9	1 36 38	22°22'30	2♑40	6°10	9° 7	9° 2	25°19	9°27	24°57	29°22	8°11	18°10	16°39	27°23	19°38	M 9
T 10	1 40 34	23°22'29	16°15	7°40	9°49	9°34	25°18	9°25	25° 0	29°21	8°12	18° 9	16°36	27°30	19°37	T 10
W11	1 44 31	24°22'29	29°23	9°12	10°32	10° 6	25°17	9°22	25° 2	29°19	8°13	18°D 9	16°33	27°36	19°35	W11
T 12	1 48 27	25°22'31	12♒ 9	10°46	11°16	10°38	25°16	9°19	25° 4	29°18	8°13	18°10	16°29	27°43	19°34	T 12
F 13	1 52 24	26°22'35	24°35	12°21	12° 1	11° 9	25°15	9°16	25° 7	29°17	8°14	18°11	16°26	27°50	19°32	F 13
S 14	1 56 21	27°22'40	6♓47	13°57	12°47	11°40	25°14	9°13	25° 9	29°15	8°15	18°13	16°23	27°56	19°30	S 14
S 15	2 0 17	28°22'47	18°48	15°34	13°34	12°11	25°12	9°10	25°11	29°14	8°15	18°R14	16°20	28° 3	19°29	S 15
M16	2 4 14	29°22'55	0♈43	17°11	14°22	12°42	25°10	9° 7	25°13	29°12	8°16	18°13	16°17	28°10	19°27	M16
T 17	2 8 10	0♏23'05	12°33	18°49	15°10	13°13	25° 8	9° 4	25°15	29°11	8°16	18°10	16°13	28°16	19°25	T 17
W18	2 12 7	1°23'17	24°23	20°27	16° 0	13°44	25° 6	9° 1	25°17	29°10	8°17	18° 5	16°10	28°23	19°23	W18
T 19	2 16 3	2°23'31	6♉13	22° 5	16°50	14°14	25° 4	8°57	25°19	29° 8	8°17	17°58	16° 7	28°30	19°21	T 19
F 20	2 20 0	3°23'47	18° 6	23°43	17°42	14°45	25° 1	8°54	25°21	29° 7	8°17	17°49	16° 4	28°36	19°19	F 20
S 21	2 23 56	4°24'04	0♊ 3	25°21	18°34	15°15	24°58	8°50	25°23	29° 6	8°18	17°40	16° 1	28°43	19°17	S 21
S 22	2 27 53	5°24'24	12° 5	26°59	19°26	15°45	24°55	8°47	25°25	29° 4	8°18	17°31	15°58	28°50	19°14	S 22
M23	2 31 50	6°24'45	24°16	28°36	20°20	16°14	24°52	8°43	25°27	29° 3	8°18	17°22	15°54	28°56	19°12	M23
T 24	2 35 46	7°25'09	6♋36	0♏14	21°14	16°44	24°49	8°39	25°29	29° 2	8°19	17°16	15°51	29° 3	19°10	T 24
W25	2 39 43	8°25'34	19°10	1°51	22° 9	17°13	24°45	8°35	25°30	29° 1	8°19	17°12	15°48	29°10	19° 7	W25
T 26	2 43 39	9°26'01	2♌ 0	3°28	23° 4	17°43	24°42	8°31	25°32	28°59	8°19	17°10	15°45	29°17	19° 5	T 26
F 27	2 47 36	10°26'30	15° 9	5° 5	24° 0	18°12	24°38	8°27	25°33	28°58	8°19	17°D10	15°42	29°23	19° 2	F 27
S 28	2 51 32	11°27'01	28°42	6°42	24°57	18°40	24°34	8°23	25°35	28°57	8°20	17°10	15°39	29°30	18°59	S 28
S 29	2 55 29	12°27'34	12♍40	8°18	25°54	19° 9	24°29	8°19	25°37	28°56	8°20	17°R11	15°35	29°37	18°57	S 29
M30	2 59 25	13°28'08	27° 3	9°54	26°52	19°37	24°25	8°15	25°38	28°55	8°20	17°11	15°32	29°43	18°54	M30
T 31	3 3 22	14♏28'45	11♎50	11♏30	27♍50	20♌ 5	24♊20	8♊11	25♌39	28♓54	8♌20	17♓ 8	15♓29	29♈50	18♊51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s42	11n16	1n19	3n 2	1n41	7n 7	3s 5	20n26	1n17	23n 1	0s27	20n13	1s49	14n 3	0n43	1s38	1s36	25n57	7n55	4s33	5s 8	13n19	18n24	4s46
M 2	6 5	4 28	0s 1	2 46	1 48	7 6	2 54	20 18	1 18	23 1	0 27	20 13	1 49	14 2	0 43	1 39	1 36	25 57	7 55	4 33	5 9	13 22	18 24	4 46
T 3	6 28	2s43	1 22	2 27	1 54	7 4	2 43	20 11	1 19	23 1	0 27	20 12	1 49	14 1	0 43	1 39	1 36	25 57	7 55	4 33	5 10	13 25	18 23	4 47
W 4	6 51	9 52	2 39	2 4	1 58	7 1	2 33	20 4	1 20	23 1	0 27	20 12	1 49	14 0	0 43	1 40	1 36	25 57	7 55	4 34	5 11	13 28	18 23	4 47
T 5	7 14	16 27	3 44	1 37	2 2	6 57	2 22	19 57	1 22	23 1	0 27	20 12	1 49	13 59	0 43	1 40	1 36	25 57	7 56	4 35	5 13	13 31	18 22	4 48
F 6	7 37	22 0	4 33	1 8	2 4	6 53	2 12	19 50	1 23	23 1	0 27	20 11	1 49	13 58	0 43	1 41	1 36	25 57	7 56	4 37	5 14	13 34	18 21	4 48
S 7	8 0	26 1	5 3	0 36	2 5	6 48	2 2	19 42	1 24	23 1	0 27	20 11	1 49	13 58	0 43	1 42	1 36	25 57	7 56	4 39	5 15	13 37	18 21	4 48
S 8	8 22	28 14	5 12	0 2	2 5	6 43	1 52	19 35	1 25	23 1	0 27	20 10	1 49	13 57	0 43	1 42	1 36	25 57	7 57	4 41	5 16	13 40	18 20	4 49
M 9	8 45	28 33	5 2	0s33	2 4	6 36	1 43	19 27	1 26	23 1	0 27	20 10	1 49	13 56	0 43	1 43	1 36	25 58	7 57	4 42	5 18	13 43	18 20	4 49
T 10	9 7	27 7	4 36	1 10	2 3	6 29	1 33	19 20	1 27	23 1	0 26	20 10	1 49	13 55	0 43	1 43	1 36	25 58	7 57	4 42	5 19	13 46	18 19	4 50
W11	9 29	24 12	3 55	1 49	2 1	6 21	1 24	19 12	1 28	23 1	0 26	20 9	1 49	13 54	0 43	1 44	1 36	25 58	7 57	4 42	5 20	13 49	18 19	4 50
T 12	9 51	20 10	3 4	2 28	1 58	6 13	1 15	19 5	1 29	23 1	0 26	20 9	1 49	13 54	0 43	1 44	1 36	25 58	7 58	4 42	5 21	13 52	18 18	4 51
F 13	10 13	15 21	2 5	3 9	1 55	6 4	1 6	18 57	1 30	23 1	0 26	20 8	1 49	13 53	0 43	1 45	1 36	25 58	7 58	4 41	5 23	13 55	18 18	4 51
S 14	10 35	10 1	1 2	3 49	1 51	5 54	0 57	18 49	1 31	23 1	0 26	20 8	1 50	13 52	0 43	1 46	1 36	25 58	7 58	4 41	5 24	13 58	18 17	4 51
S 15	10 57	4 24	0n 3	4 31	1 47	5 44	0 49	18 42	1 33	23 1	0 26	20 7	1 50	13 52	0 43	1 46	1 36	25 58	7 59	4 41	5 25	14 2	18 17	4 52
M16	11 18	1n19	1 7	5 12	1 42	5 33	0 41	18 34	1 34	23 1	0 26	20 7	1 50	13 51	0 43	1 47	1 36	25 58	7 59	4 41	5 26	14 5	18 16	4 52
T 17	11 39	6 57	2 8	5 54	1 37	5 22	0 33	18 26	1 35	23 1	0 26	20 6	1 50	13 50	0 43	1 47	1 36	25 58	7 59	4 42	5 27	14 8	18 15	4 53
W18	12 0	12 19	3 3	6 36	1 32	5 10	0 25	18 19	1 36	23 1	0 26	20 5	1 50	13 50	0 43	1 48	1 36	25 59	8 0	4 44	5 29	14 11	18 15	4 53
T 19	12 21	17 16	3 50	7 18	1 26	4 57	0 17	18 11	1 37	23 1	0 26	20 5	1 50	13 49	0 43	1 48	1 36	25 59	8 0	4 47	5 30	14 14	18 14	4 54
F 20	12 42	21 34	4 27	8 0	1 21	4 44	0 9	18 3	1 38	23 1	0 26	20 4	1 50	13 48	0 43	1 49	1 35	25 59	8 0	4 50	5 31	14 17	18 14	4 54
S 21	13 3	25 1	4 53	8 41	1 15	4 31	0 2	17 55	1 40	23 1	0 26	20 4	1 50	13 48	0 43	1 49	1 35	25 59	8 0	4 54	5 32	14 20	18 13	4 54
S 22	13 23	27 23	5 6	9 23	1 9	4 17	0n 5	17 47	1 41	23 1	0 26	20 3	1 50	13 47	0 43	1 50	1 35	25 59	8 1	4 57	5 34	14 23	18 13	4 55
M23	13 43	28 30	5 5	10 3	1 2	4 2	0 12	17 40	1 42	23 1	0 26	20 2	1 50	13 47	0 43	1 50	1 35	26 0	8 1	5 1	5 35	14 26	18 12	4 55
T 24	14 3	28 12	4 50	10 44	0 56	3 47	0 19	17 32	1 43	23 1	0 26	20 2	1 50	13 46	0 43	1 51	1 35	26 0	8 1	5 3	5 36	14 29	18 11	4 55
W25	14 22	26 28	4 21	11 24	0 49	3 31	0 25	17 24	1 44	23 1	0 26	20 1	1 50	13 45	0 43	1 51	1 35	26 0	8 2	5 5	5 37	14 32	18 11	4 56
T 26	14 42	23 21	3 38	12 3	0 43	3 15	0 32	17 16	1 46	23 1	0 25	20 1	1 50	13 45	0 44	1 52	1 35	26 0	8 2	5 6	5 39	14 35	18 10	4 56
F 27	15 1	18 57	2 43	12 42	0 36	2 58	0 38	17 8	1 47	23 1	0 25	20 0	1 50	13 44	0 44	1 52	1 35	26 0	8 2	5 6	5 40	14 38	18 10	4 57
S 28	15 20	13 30	1 38	13 21	0 29	2 41	0 44	17 0	1 48	23 1	0 25	19 59	1 50	13 44	0 44	1 52	1 35	26 1	8 3	5 5	5 41	14 41	18 9	4 57
S 29	15 39	7 13	0 24	13 59	0 23	2 24	0 50	16 53	1 49	23 1	0 25	19 59	1 50	13 43	0 44	1 53	1 35	26 1	8 3	5 5	5 42	14 44	18 9	4 57
M30	15 57	0 23	0s53	14 36	0 16	2 6	0 56	16 45	1 51	23 0	0 25	19 58	1 50	13 43	0 44	1 53	1 35	26 1	8 3	5 5	5 44	14 47	18 8	4 58
T 31	16s15	6s39	2s 8	15s12	0n 9	1n48	1n 1	16n37	1n52	23n 0	0s25	19n57	1s50	13n43	0n44	1s54	1s35	26n 1	8n 3	5s 6	5s45	14n50	18n 7	4s58

Julian Day Number = 2161822.5, Delta T = 13m08s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'45, Lahiri = 12°47'46 Julian Calendar 1 Oct. 1206 == Greg. Calendar 8 Oct. 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

NOVEMBER 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 7 19	15♏29'23	26♎55	13♏ 6	28♍49	20♌33	24°R16	8°R 6	25♌41	28°R53	8♌20	17°R 4	15♓26	29♈57	18°R48	W 1
T 2	3 11 15	16°30'03	12♏ 9	14°41	29°48	21° 1	24♊11	8♊ 2	25°42	28♓52	8°20	16♓56	15°23	0♉ 3	18♊45	T 2
F 3	3 15 12	17°30'44	27°24	16°16	0♎48	21°28	24° 5	7°57	25°43	28°51	8°R20	16°47	15°19	0°10	18°42	F 3
S 4	3 19 8	18°31'27	12♐26	17°51	1°48	21°56	24° 0	7°53	25°44	28°50	8°20	16°37	15°16	0°17	18°39	S 4
S 5	3 23 5	19°32'11	27° 7	19°26	2°49	22°23	23°55	7°48	25°45	28°49	8°20	16°28	15°13	0°23	18°36	S 5
M 6	3 27 1	20°32'57	11♑21	21° 1	3°50	22°49	23°49	7°44	25°47	28°48	8°20	16°20	15°10	0°30	18°33	M 6
T 7	3 30 58	21°33'43	25° 5	22°36	4°51	23°16	23°43	7°39	25°48	28°47	8°20	16°14	15° 7	0°37	18°30	T 7
W 8	3 34 54	22°34'31	8♒19	24°10	5°53	23°42	23°37	7°35	25°49	28°46	8°20	16°11	15° 4	0°43	18°27	W 8
T 9	3 38 51	23°35'19	21° 7	25°44	6°55	24° 8	23°31	7°30	25°49	28°46	8°20	16°D10	15° 0	0°50	18°24	T 9
F 10	3 42 48	24°36'08	3♓33	27°18	7°58	24°34	23°25	7°25	25°50	28°45	8°19	16°10	14°57	0°57	18°20	F 10
S 11	3 46 44	25°36'59	15°41	28°52	9° 1	24°59	23°18	7°20	25°51	28°44	8°19	16°R11	14°54	1° 3	18°17	S 11
S 12	3 50 41	26°37'50	27°38	0♐26	10° 4	25°24	23°12	7°15	25°52	28°43	8°19	16°10	14°51	1°10	18°14	S 12
M13	3 54 37	27°38'42	9♈29	2° 0	11° 8	25°49	23° 5	7°11	25°52	28°43	8°19	16° 8	14°48	1°17	18°10	M13
T 14	3 58 34	28°39'35	21°17	3°34	12°12	26°13	22°59	7° 6	25°53	28°42	8°18	16° 2	14°45	1°24	18° 7	T 14
W15	4 2 30	29°40'29	3♉ 6	5° 8	13°16	26°38	22°52	7° 1	25°54	28°41	8°18	15°54	14°41	1°30	18° 3	W15
T 16	4 6 27	0♐41'24	14°59	6°42	14°21	27° 2	22°45	6°56	25°54	28°41	8°18	15°43	14°38	1°37	18° 0	T 16
F 17	4 10 23	1°42'20	26°58	8°15	15°26	27°25	22°38	6°51	25°55	28°40	8°17	15°30	14°35	1°44	17°56	F 17
S 18	4 14 20	2°43'18	9♊ 5	9°49	16°31	27°49	22°30	6°46	25°55	28°40	8°17	15°16	14°32	1°50	17°53	S 18
S 19	4 18 17	3°44'16	21°19	11°23	17°37	28°12	22°23	6°41	25°55	28°39	8°16	15° 1	14°29	1°57	17°49	S 19
M20	4 22 13	4°45'15	3♋41	12°57	18°43	28°34	22°16	6°36	25°56	28°39	8°16	14°49	14°25	2° 4	17°45	M20
T 21	4 26 10	5°46'15	16°14	14°30	19°49	28°57	22° 8	6°31	25°56	28°38	8°15	14°38	14°22	2°10	17°42	T 21
W22	4 30 6	6°47'17	28°57	16° 4	20°55	29°19	22° 1	6°26	25°56	28°38	8°15	14°30	14°19	2°17	17°38	W22
T 23	4 34 3	7°48'19	11♌52	17°38	22° 2	29°41	21°53	6°21	25°56	28°38	8°14	14°25	14°16	2°24	17°34	T 23
F 24	4 37 59	8°49'22	25° 2	19°12	23° 8	0♍ 2	21°45	6°16	25°56	28°37	8°14	14°23	14°13	2°30	17°31	F 24
S 25	4 41 56	9°50'27	8♍29	20°45	24°16	0°23	21°37	6°11	25°R56	28°37	8°13	14°23	14°10	2°37	17°27	S 25
S 26	4 45 53	10°51'32	22°15	22°19	25°23	0°44	21°29	6° 7	25°56	28°37	8°13	14°23	14° 6	2°44	17°23	S 26
M27	4 49 49	11°52'38	6♎22	23°53	26°30	1° 4	21°22	6° 2	25°56	28°36	8°12	14°22	14° 3	2°50	17°19	M27
T 28	4 53 46	12°53'46	20°49	25°26	27°38	1°24	21°14	5°57	25°56	28°36	8°11	14°18	14° 0	2°57	17°16	T 28
W29	4 57 42	13°54'54	5♏33	26°59	28°46	1°43	21° 6	5°52	25°56	28°36	8°10	14°12	13°57	3° 4	17°12	W29
T 30	5 1 39	14♐56'03	20♏30	28♐32	29♎54	2♍ 2	20♊57	5♊47	25♌55	28♓36	8♌10	14♓ 3	13♓54	3♉11	17♊ 8	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s33	13s27	3s16	15s48	0n 2	1n29	1n 7	16n29	1n53	23n 0	0s25	19n57	1s50	13n42	0n44	1s54	1s35	26n 2	8n 4	5s 8	5s46	14n53	18n 7	4s58
T 2	16 51	19 31	4 10	16 23	0s 4	1 11	1 12	16 22	1 55	23 0	0 25	19 56	1 50	13 42	0 44	1 54	1 35	26 2	8 4	5 11	5 47	14 56	18 6	4 59
F 3	17 8	24 19	4 47	16 57	0 11	0 51	1 17	16 14	1 56	23 0	0 25	19 55	1 50	13 41	0 44	1 55	1 35	26 2	8 4	5 14	5 49	14 59	18 6	4 59
S 4	17 25	27 23	5 3	17 31	0 18	0 32	1 22	16 7	1 57	23 0	0 25	19 54	1 50	13 41	0 44	1 55	1 35	26 3	8 5	5 18	5 50	15 2	18 5	4 59
S 5	17 42	28 29	4 59	18 3	0 24	0 12	1 26	15 59	1 59	23 0	0 25	19 54	1 50	13 41	0 44	1 55	1 35	26 3	8 5	5 22	5 51	15 5	18 5	5 0
M 6	17 58	27 38	4 36	18 35	0 30	0s 8	1 31	15 51	2 0	22 59	0 25	19 53	1 50	13 40	0 44	1 56	1 35	26 3	8 5	5 25	5 52	15 7	18 4	5 0
T 7	18 14	25 6	3 57	19 6	0 37	0 29	1 35	15 44	2 1	22 59	0 25	19 52	1 50	13 40	0 44	1 56	1 35	26 4	8 6	5 27	5 53	15 10	18 4	5 0
W 8	18 30	21 16	3 7	19 36	0 43	0 50	1 39	15 36	2 3	22 59	0 24	19 52	1 50	13 40	0 44	1 56	1 35	26 4	8 6	5 28	5 55	15 13	18 3	5 1
T 9	18 45	16 34	2 9	20 4	0 49	1 11	1 43	15 29	2 4	22 59	0 24	19 51	1 50	13 40	0 44	1 57	1 35	26 4	8 6	5 29	5 56	15 16	18 2	5 1
F 10	19 0	11 17	1 7	20 32	0 55	1 32	1 47	15 22	2 5	22 59	0 24	19 50	1 50	13 39	0 44	1 57	1 35	26 4	8 6	5 29	5 57	15 19	18 2	5 1
S 11	19 15	5 42	0 3	21 0	1 1	1 54	1 51	15 15	2 7	22 58	0 24	19 49	1 50	13 39	0 44	1 57	1 35	26 5	8 7	5 29	5 58	15 22	18 1	5 1
S 12	19 29	0 1	1n 1	21 25	1 7	2 15	1 54	15 7	2 8	22 58	0 24	19 49	1 50	13 39	0 44	1 57	1 35	26 5	8 7	5 29	6 0	15 25	18 1	5 2
M13	19 43	5n37	2 0	21 50	1 13	2 37	1 58	15 0	2 10	22 58	0 24	19 48	1 50	13 39	0 44	1 58	1 35	26 6	8 7	5 30	6 1	15 28	18 0	5 2
T 14	19 57	11 2	2 55	22 14	1 18	2 59	2 1	14 53	2 11	22 58	0 24	19 47	1 50	13 39	0 44	1 58	1 35	26 6	8 8	5 32	6 2	15 31	18 0	5 2
W15	20 10	16 4	3 41	22 37	1 23	3 22	2 4	14 46	2 13	22 57	0 24	19 46	1 50	13 38	0 44	1 58	1 35	26 6	8 8	5 35	6 3	15 34	17 59	5 2
T 16	20 23	20 31	4 19	22 59	1 29	3 44	2 7	14 39	2 14	22 57	0 24	19 46	1 50	13 38	0 44	1 58	1 35	26 7	8 8	5 39	6 5	15 37	17 59	5 3
F 17	20 36	24 11	4 45	23 19	1 34	4 7	2 9	14 33	2 16	22 57	0 23	19 45	1 50	13 38	0 45	1 59	1 34	26 7	8 8	5 44	6 6	15 40	17 58	5 3
S 18	20 48	26 49	4 58	23 38	1 38	4 30	2 12	14 26	2 17	22 57	0 23	19 44	1 50	13 38	0 45	1 59	1 34	26 7	8 9	5 50	6 7	15 43	17 57	5 3
S 19	20 59	28 13	4 58	23 56	1 43	4 52	2 14	14 19	2 19	22 56	0 23	19 43	1 50	13 38	0 45	1 59	1 34	26 8	8 9	5 55	6 8	15 46	17 57	5 3
M20	21 11	28 14	4 44	24 13	1 47	5 15	2 17	14 13	2 20	22 56	0 23	19 43	1 49	13 38	0 45	1 59	1 34	26 8	8 9	6 0	6 9	15 49	17 56	5 4
T 21	21 22	26 47	4 16	24 29	1 51	5 38	2 19	14 6	2 22	22 56	0 23	19 42	1 49	13 38	0 45	1 59	1 34	26 9	8 10	6 5	6 11	15 51	17 56	5 4
W22	21 32	23 58	3 35	24 43	1 55	6 2	2 21	14 0	2 23	22 55	0 23	19 41	1 49	13 38	0 45	1 59	1 34	26 9	8 10	6 8	6 12	15 54	17 55	5 4
T 23	21 42	19 54	2 43	24 56	1 58	6 25	2 23	13 54	2 25	22 55	0 23	19 40	1 49	13 38	0 45	1 59	1 34	26 9	8 10	6 9	6 13	15 57	17 55	5 4
F 24	21 52	14 49	1 40	25 7	2 2	6 48	2 24	13 48	2 27	22 55	0 23	19 40	1 49	13 38	0 45	1 59	1 34	26 10	8 10	6 10	6 14	16 0	17 54	5 4
S 25	22 1	8 54	0 31	25 17	2 4	7 11	2 26	13 42	2 28	22 54	0 23	19 39	1 49	13 38	0 45	1 59	1 34	26 10	8 11	6 10	6 16	16 3	17 54	5 4
S 26	22 10	2 27	0s41	25 26	2 7	7 35	2 27	13 36	2 30	22 54	0 22	19 38	1 49	13 38	0 45	2 0	1 34	26 11	8 11	6 10	6 17	16 6	17 53	5 5
M27	22 19	4s16	1 53	25 33	2 9	7 58	2 28	13 30	2 31	22 53	0 22	19 37	1 49	13 38	0 45	2 0	1 34	26 11	8 11	6 11	6 18	16 9	17 53	5 5
T 28	22 27	10 56	2 59	25 39	2 11	8 21	2 29	13 24	2 33	22 53	0 22	19 37	1 49	13 38	0 45	2 0	1 34	26 12	8 12	6 12	6 19	16 12	17 52	5 5
W29	22 34	17 7	3 55	25 43	2 12	8 44	2 30	13 19	2 35	22 53	0 22	19 36	1 49	13 38	0 45	2 0	1 34	26 12	8 12	6 14	6 21	16 15	17 52	5 5
T 30	22s41	22s22	4s35	25s46	2s13	9s 8	2n31	13n14	2n36	22n52	0s22	19n35	1s48	13n38	0n45	2s 0	1s34	26n13	8n12	6s18	6s22	16n17	17n51	5s 5

Julian Day Number = 2161853.5, Delta T = 13m08s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'50, Lahiri = 12°47'50 Julian Calendar 1 Nov. 1206 == Greg. Calendar 8 Nov. 1206

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ASTRODIENST EPHEMERIS for the year 1206
geocentric

DECEMBER 1206 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 5 35	15♐57'13	5♐30	0♑ 5	1♏ 3	2♍21	20°R49	5°R42	25°R55	28°R36	8°R 9	13°R52	13♓51	3♉17	17°R 4	F 1
S 2	5 9 32	16°58'23	20°24	1°38	2°11	2°39	20♊41	5♊37	25♌55	28♓36	8♌ 8	13♓40	13°47	3°24	17♊ 1	S 2
S 3	5 13 28	17°59'34	5♑ 2	3°10	3°20	2°57	20°33	5°32	25°54	28°D36	8° 7	13°28	13°44	3°31	16°57	S 3
M 4	5 17 25	19° 0'46	19°18	4°41	4°29	3°14	20°25	5°28	25°54	28°36	8° 7	13°18	13°41	3°37	16°53	M 4
T 5	5 21 22	20° 1'57	3♒ 7	6°11	5°38	3°31	20°17	5°23	25°53	28°36	8° 6	13°10	13°38	3°44	16°49	T 5
W 6	5 25 18	21° 3'09	16°27	7°41	6°47	3°47	20° 9	5°18	25°53	28°36	8° 5	13° 5	13°35	3°51	16°45	W 6
T 7	5 29 15	22° 4'20	29°20	9° 9	7°56	4° 3	20° 0	5°14	25°52	28°36	8° 4	13° 3	13°31	3°57	16°42	T 7
F 8	5 33 11	23° 5'32	11♓49	10°36	9° 6	4°18	19°52	5° 9	25°51	28°36	8° 3	13°D 2	13°28	4° 4	16°38	F 8
S 9	5 37 8	24° 6'43	24° 1	12° 2	10°15	4°33	19°44	5° 4	25°50	28°36	8° 2	13°R 2	13°25	4°11	16°34	S 9
S 10	5 41 4	25° 7'54	5♈59	13°25	11°25	4°48	19°36	5° 0	25°50	28°37	8° 1	13° 2	13°22	4°17	16°30	S 10
M11	5 45 1	26° 9'06	17°50	14°46	12°35	5° 2	19°28	4°56	25°49	28°37	8° 0	13° 0	13°19	4°24	16°27	M11
T 12	5 48 57	27°10'17	29°39	16° 4	13°45	5°15	19°20	4°51	25°48	28°37	7°59	12°55	13°16	4°31	16°23	T 12
W13	5 52 54	28°11'28	11♉29	17°19	14°55	5°28	19°12	4°47	25°47	28°37	7°58	12°48	13°12	4°38	16°19	W13
T 14	5 56 51	29°12'39	23°26	18°30	16° 5	5°40	19° 4	4°42	25°46	28°38	7°57	12°38	13° 9	4°44	16°16	T 14
F 15	6 0 47	0♑13'50	5♊32	19°36	17°16	5°52	18°56	4°38	25°45	28°38	7°56	12°26	13° 6	4°51	16°12	F 15
S 16	6 4 44	1°15'01	17°49	20°37	18°26	6° 3	18°49	4°34	25°43	28°39	7°55	12°12	13° 3	4°58	16° 8	S 16
S 17	6 8 40	2°16'11	0♋17	21°32	19°37	6°14	18°41	4°30	25°42	28°39	7°54	11°59	13° 0	5° 4	16° 5	S 17
M18	6 12 37	3°17'22	12°56	22°20	20°48	6°24	18°33	4°26	25°41	28°40	7°53	11°47	12°57	5°11	16° 1	M18
T 19	6 16 33	4°18'32	25°48	23° 1	21°58	6°34	18°26	4°22	25°40	28°40	7°52	11°37	12°53	5°18	15°58	T 19
W20	6 20 30	5°19'42	8♌50	23°32	23° 9	6°42	18°18	4°18	25°38	28°41	7°50	11°29	12°50	5°24	15°54	W20
T 21	6 24 27	6°20'52	22° 2	23°54	24°20	6°51	18°11	4°14	25°37	28°41	7°49	11°25	12°47	5°31	15°51	T 21
F 22	6 28 23	7°22'02	5♍26	24° 6	25°32	6°58	18° 3	4°11	25°36	28°42	7°48	11°D23	12°44	5°38	15°47	F 22
S 23	6 32 20	8°23'12	19° 0	24°R 6	26°43	7° 5	17°56	4° 7	25°34	28°43	7°47	11°23	12°41	5°45	15°44	S 23
S 24	6 36 16	9°24'22	2♎47	23°55	27°54	7°12	17°49	4° 3	25°33	28°43	7°46	11°R24	12°37	5°51	15°40	S 24
M25	6 40 13	10°25'32	16°46	23°32	29° 6	7°17	17°42	4° 0	25°31	28°44	7°44	11°24	12°34	5°58	15°37	M25
T 26	6 44 9	11°26'42	0♏58	22°58	0♐17	7°22	17°35	3°56	25°29	28°45	7°43	11°22	12°31	6° 5	15°34	T 26
W27	6 48 6	12°27'51	15°20	22°12	1°29	7°27	17°28	3°53	25°28	28°46	7°42	11°18	12°28	6°11	15°30	W27
T 28	6 52 2	13°29'01	29°50	21°16	2°41	7°30	17°22	3°50	25°26	28°47	7°41	11°12	12°25	6°18	15°27	T 28
F 29	6 55 59	14°30'10	14♐23	20°12	3°52	7°33	17°15	3°47	25°24	28°47	7°39	11° 3	12°22	6°25	15°24	F 29
S 30	6 59 56	15°31'19	28°52	19° 1	5° 4	7°35	17° 9	3°44	25°23	28°48	7°38	10°54	12°18	6°31	15°21	S 30
S 31	7 3 52	16♑32'27	13♑11	17♑45	6♐16	7♍36	17♊ 3	3♊41	25♌21	28♓49	7♌37	10♓44	12♓15	6♉38	15♊18	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s48	26s11	4s57	25s47	2s14	9s31	2n32	13n 9	2n38	22n52	0s22	19n34	1s48	13n39	0n45	2s 0	1s34	26n13	8n12	6s22	6s23	16n20	17n51	5s 5
S 2	22 54	28 9	4 58	25 46	2 14	9 54	2 33	13 4	2 40	22 51	0 22	19 34	1 48	13 39	0 45	2 0	1 34	26 13	8 13	6 27	6 24	16 23	17 50	5 5
S 3	23 0	28 6	4 39	25 44	2 14	10 17	2 33	12 59	2 42	22 51	0 21	19 33	1 48	13 39	0 45	2 0	1 34	26 14	8 13	6 32	6 25	16 26	17 50	5 6
M 4	23 5	26 10	4 3	25 40	2 13	10 40	2 33	12 54	2 43	22 51	0 21	19 32	1 48	13 39	0 45	2 0	1 34	26 14	8 13	6 36	6 27	16 29	17 50	5 6
T 5	23 10	22 42	3 14	25 35	2 11	11 2	2 34	12 49	2 45	22 50	0 21	19 32	1 48	13 39	0 45	1 59	1 34	26 15	8 13	6 39	6 28	16 32	17 49	5 6
W 6	23 14	18 8	2 16	25 28	2 9	11 25	2 34	12 45	2 47	22 50	0 21	19 31	1 48	13 40	0 45	1 59	1 34	26 15	8 14	6 41	6 29	16 35	17 49	5 6
T 7	23 18	12 53	1 12	25 19	2 6	11 48	2 34	12 41	2 49	22 49	0 21	19 30	1 48	13 40	0 45	1 59	1 34	26 16	8 14	6 41	6 30	16 37	17 48	5 6
F 8	23 22	7 15	0 6	25 9	2 2	12 10	2 34	12 37	2 51	22 49	0 21	19 30	1 47	13 40	0 45	1 59	1 34	26 16	8 14	6 42	6 32	16 40	17 48	5 6
S 9	23 25	1 30	0n58	24 57	1 58	12 32	2 33	12 33	2 52	22 48	0 21	19 29	1 47	13 40	0 45	1 59	1 33	26 17	8 14	6 42	6 33	16 43	17 47	5 6
S 10	23 27	4n12	1 58	24 44	1 53	12 54	2 33	12 30	2 54	22 48	0 20	19 28	1 47	13 41	0 46	1 59	1 33	26 17	8 15	6 42	6 34	16 46	17 47	5 6
M11	23 29	9 41	2 53	24 30	1 47	13 16	2 32	12 26	2 56	22 47	0 20	19 28	1 47	13 41	0 46	1 59	1 33	26 18	8 15	6 43	6 35	16 49	17 47	5 6
T 12	23 31	14 49	3 40	24 14	1 40	13 37	2 32	12 23	2 58	22 47	0 20	19 27	1 47	13 42	0 46	1 59	1 33	26 18	8 15	6 44	6 36	16 52	17 46	5 6
W13	23 32	19 26	4 18	23 57	1 32	13 59	2 31	12 20	3 0	22 46	0 20	19 26	1 47	13 42	0 46	1 58	1 33	26 19	8 15	6 47	6 38	16 54	17 46	5 6
T 14	23 33	23 18	4 45	23 38	1 24	14 20	2 30	12 17	3 2	22 46	0 20	19 26	1 46	13 42	0 46	1 58	1 33	26 19	8 16	6 51	6 39	16 57	17 45	5 6
F 15	23 33	26 13	4 59	23 19	1 14	14 40	2 29	12 14	3 4	22 45	0 20	19 25	1 46	13 43	0 46	1 58	1 33	26 20	8 16	6 56	6 40	17 0	17 45	5 6
S 16	23 32	27 57	5 0	22 59	1 3	15 1	2 28	12 12	3 6	22 45	0 19	19 25	1 46	13 43	0 46	1 58	1 33	26 20	8 16	7 1	6 41	17 3	17 45	5 6
S 17	23 31	28 19	4 46	22 39	0 51	15 21	2 27	12 10	3 7	22 44	0 19	19 24	1 46	13 44	0 46	1 58	1 33	26 21	8 16	7 6	6 43	17 6	17 44	5 6
M18	23 30	27 12	4 18	22 18	0 38	15 41	2 26	12 8	3 9	22 44	0 19	19 23	1 46	13 44	0 46	1 57	1 33	26 21	8 16	7 11	6 44	17 8	17 44	5 6
T 19	23 28	24 38	3 37	21 58	0 24	16 1	2 25	12 6	3 11	22 43	0 19	19 23	1 45	13 44	0 46	1 57	1 33	26 22	8 17	7 14	6 45	17 11	17 44	5 6
W20	23 26	20 46	2 44	21 37	0 8	16 20	2 23	12 5	3 13	22 43	0 19	19 22	1 45	13 45	0 46	1 57	1 33	26 22	8 17	7 17	6 46	17 14	17 43	5 6
T 21	23 23	15 49	1 41	21 17	0n 8	16 39	2 22	12 3	3 15	22 42	0 19	19 22	1 45	13 45	0 46	1 57	1 33	26 23	8 17	7 19	6 47	17 17	17 43	5 6
F 22	23 20	10 3	0 32	20 58	0 26	16 58	2 20	12 2	3 17	22 42	0 19	19 21	1 45	13 46	0 46	1 56	1 33	26 23	8 17	7 19	6 49	17 19	17 43	5 6
S 23	23 17	3 45	0s41	20 40	0 44	17 16	2 18	12 2	3 19	22 41	0 18	19 21	1 45	13 47	0 46	1 56	1 33	26 24	8 17	7 19	6 50	17 22	17 42	5 6
S 24	23 13	2s49	1 52	20 24	1 2	17 34	2 17	12 1	3 21	22 41	0 18	19 20	1 44	13 47	0 46	1 56	1 33	26 24	8 18	7 19	6 51	17 25	17 42	5 6
M25	23 8	9 20	2 57	20 9	1 21	17 51	2 15	12 1	3 23	22 40	0 18	19 20	1 44	13 48	0 46	1 55	1 33	26 25	8 18	7 19	6 52	17 28	17 42	5 6
T 26	23 3	15 29	3 53	19 56	1 40	18 8	2 13	12 1	3 25	22 40	0 18	19 20	1 44	13 48	0 46	1 55	1 33	26 25	8 18	7 20	6 54	17 31	17 42	5 6
W27	22 57	20 52	4 34	19 45	1 59	18 25	2 11	12 1	3 27	22 40	0 18	19 19	1 44	13 49	0 46	1 55	1 33	26 26	8 18	7 21	6 55	17 33	17 41	5 6
T 28	22 51	25 4	4 59	19 36	2 17	18 41	2 9	12 2	3 29	22 39	0 17	19 19	1 44	13 49	0 46	1 54	1 33	26 27	8 18	7 24	6 56	17 36	17 41	5 5
F 29	22 45	27 40	5 4	19 29	2 34	18 57	2 7	12 2	3 31	22 39	0 17	19 18	1 43	13 50	0 46	1 54	1 33	26 27	8 19	7 27	6 57	17 39	17 41	5 5
S 30	22 38	28 22	4 50	19 24	2 49	19 12	2 5	12 3	3 33	22 38	0 17	19 18	1 43	13 51	0 46	1 53	1 32	26 28	8 19	7 31	6 58	17 42	17 41	5 5
S 31	22s31	27s10	4s18	19s21	3n 2	19s27	2n 2	12n 5	3n35	22n38	0s17	19n18	1s43	13n51	0n46	1s53	1s32	26n28	8n19	7s34	7s 0	17n44	17n40	5s 5

Julian Day Number = 2161883.5, Delta T = 13m07s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'54, Lahiri = 12°47'54 Julian Calendar 1 Dec. 1206 == Greg. Calendar 8 Dec. 1206

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

JANUARY 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 7 49	17♉33'35	27♉12	16°R27	7♐28	7°R37	16°R56	3°R38	25°R19	28♓50	7°R35	10°R36	12♓12	6♉45	15°R15	M 1
T 2	7 11 45	18°34'42	10♒53	15♉10	8°40	7♍37	16♊51	3♊35	25♌17	28°51	7♌34	10♓30	12° 9	6°52	15♊12	T 2
W 3	7 15 42	19°35'48	24°10	13°55	9°52	7°36	16°45	3°32	25°15	28°52	7°33	10°27	12° 6	6°58	15° 9	W 3
T 4	7 19 38	20°36'53	7♓ 4	12°45	11° 4	7°34	16°39	3°30	25°13	28°53	7°31	10°D25	12° 3	7° 5	15° 6	T 4
F 5	7 23 35	21°37'57	19°36	11°41	12°17	7°32	16°34	3°27	25°11	28°54	7°30	10°25	11°59	7°12	15° 3	F 5
S 6	7 27 31	22°38'59	1♈51	10°44	13°29	7°29	16°28	3°25	25° 9	28°56	7°29	10°27	11°56	7°18	15° 0	S 6
S 7	7 31 28	23°40'01	13°52	9°56	14°41	7°25	16°23	3°23	25° 7	28°57	7°27	10°28	11°53	7°25	14°58	S 7
M 8	7 35 25	24°41'02	25°46	9°16	15°54	7°20	16°18	3°21	25° 5	28°58	7°26	10°R28	11°50	7°32	14°55	M 8
T 9	7 39 21	25°42'01	7♉36	8°46	17° 6	7°15	16°13	3°19	25° 3	28°59	7°24	10°27	11°47	7°38	14°52	T 9
W10	7 43 18	26°42'59	19°28	8°24	18°19	7° 8	16° 9	3°17	25° 0	29° 0	7°23	10°25	11°43	7°45	14°50	W10
T 11	7 47 14	27°43'56	1♊28	8°11	19°31	7° 1	16° 4	3°15	24°58	29° 2	7°22	10°20	11°40	7°52	14°48	T 11
F 12	7 51 11	28°44'52	13°38	8°D 6	20°44	6°53	16° 0	3°13	24°56	29° 3	7°20	10°14	11°37	7°59	14°45	F 12
S 13	7 55 7	29°45'47	26° 1	8° 9	21°56	6°45	15°56	3°11	24°54	29° 4	7°19	10° 6	11°34	8° 5	14°43	S 13
S 14	7 59 4	0♒46'40	8♋41	8°20	23° 9	6°35	15°52	3°10	24°51	29° 6	7°17	9°59	11°31	8°12	14°41	S 14
M15	8 3 0	1°47'32	21°36	8°37	24°22	6°25	15°48	3° 8	24°49	29° 7	7°16	9°52	11°28	8°19	14°38	M15
T 16	8 6 57	2°48'23	4♌47	9° 0	25°34	6°14	15°45	3° 7	24°47	29° 9	7°14	9°46	11°24	8°25	14°36	T 16
W17	8 10 54	3°49'12	18°13	9°29	26°47	6° 2	15°42	3° 6	24°44	29°10	7°13	9°43	11°21	8°32	14°34	W17
T 18	8 14 50	4°50'01	1♍51	10° 3	28° 0	5°49	15°38	3° 5	24°42	29°11	7°12	9°41	11°18	8°39	14°32	T 18
F 19	8 18 47	5°50'48	15°39	10°42	29°13	5°36	15°35	3° 4	24°40	29°13	7°10	9°D41	11°15	8°45	14°30	F 19
S 20	8 22 43	6°51'34	29°36	11°25	0♉26	5°22	15°33	3° 3	24°37	29°14	7° 9	9°42	11°12	8°52	14°28	S 20
S 21	8 26 40	7°52'19	13♎38	12°13	1°39	5° 7	15°30	3° 2	24°35	29°16	7° 7	9°43	11° 9	8°59	14°27	S 21
M22	8 30 36	8°53'03	27°45	13° 4	2°52	4°52	15°28	3° 2	24°32	29°18	7° 6	9°45	11° 5	9° 6	14°25	M22
T 23	8 34 33	9°53'46	11♏54	13°58	4° 5	4°35	15°26	3° 1	24°30	29°19	7° 4	9°R45	11° 2	9°12	14°23	T 23
W24	8 38 29	10°54'27	26° 5	14°55	5°18	4°18	15°24	3° 1	24°27	29°21	7° 3	9°44	10°59	9°19	14°22	W24
T 25	8 42 26	11°55'08	10♐14	15°55	6°31	4° 1	15°22	3° 0	24°25	29°22	7° 1	9°42	10°56	9°26	14°20	T 25
F 26	8 46 23	12°55'48	24°20	16°58	7°44	3°42	15°20	3° 0	24°22	29°24	7° 0	9°39	10°53	9°32	14°19	F 26
S 27	8 50 19	13°56'26	8♑19	18° 4	8°57	3°24	15°19	3°D 0	24°19	29°26	6°59	9°35	10°49	9°39	14°18	S 27
S 28	8 54 16	14°57'03	22° 8	19°11	10°10	3° 4	15°18	3° 0	24°17	29°28	6°57	9°31	10°46	9°46	14°16	S 28
M29	8 58 12	15°57'39	5♒44	20°21	11°23	2°44	15°17	3° 0	24°14	29°29	6°56	9°27	10°43	9°52	14°15	M29
T 30	9 2 9	16°58'13	19° 4	21°32	12°37	2°24	15°16	3° 1	24°12	29°31	6°54	9°25	10°40	9°59	14°14	T 30
W31	9 6 5	17♒58'45	2♓ 7	22♑45	13♑50	2♍ 2	15♊15	3♊ 1	24♌ 9	29♓33	6♌53	9♓24	10♓37	10♉ 6	14♊13	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s23	24s15	3s30	19s20	3n13	19s41	2n 0	12n 6	3n37	22n37	0s17	19n17	1s43	13n52	0n46	1s53	1s32	26n29	8n19	7s37	7s 1	17n47	17n40	5s 5
T 2	22 15	20 1	2 32	19 20	3 21	19 55	1 57	12 8	3 40	22 37	0 17	19 17	1 42	13 53	0 46	1 52	1 32	26 29	8 19	7 40	7 2	17 50	17 40	5 5
W 3	22 6	14 53	1 26	19 23	3 27	20 8	1 55	12 11	3 42	22 37	0 16	19 17	1 42	13 53	0 46	1 52	1 32	26 30	8 19	7 41	7 3	17 52	17 40	5 5
T 4	21 57	9 14	0 18	19 26	3 31	20 21	1 53	12 13	3 44	22 36	0 16	19 17	1 42	13 54	0 46	1 51	1 32	26 30	8 20	7 42	7 4	17 55	17 40	5 5
F 5	21 48	3 23	0n49	19 31	3 32	20 33	1 50	12 16	3 46	22 36	0 16	19 16	1 42	13 55	0 46	1 51	1 32	26 31	8 20	7 42	7 6	17 58	17 40	5 4
S 6	21 38	2n28	1 53	19 36	3 31	20 45	1 47	12 19	3 48	22 35	0 16	19 16	1 42	13 55	0 46	1 50	1 32	26 31	8 20	7 41	7 7	18 1	17 39	5 4
S 7	21 28	8 7	2 51	19 43	3 28	20 56	1 45	12 22	3 49	22 35	0 16	19 16	1 41	13 56	0 47	1 50	1 32	26 32	8 20	7 41	7 8	18 3	17 39	5 4
M 8	21 17	13 25	3 40	19 51	3 23	21 6	1 42	12 26	3 51	22 35	0 16	19 16	1 41	13 57	0 47	1 49	1 32	26 32	8 20	7 40	7 9	18 6	17 39	5 4
T 9	21 6	18 12	4 20	19 59	3 17	21 16	1 39	12 30	3 53	22 34	0 15	19 16	1 41	13 58	0 47	1 49	1 32	26 33	8 20	7 41	7 11	18 9	17 39	5 4
W10	20 54	22 18	4 49	20 8	3 9	21 26	1 36	12 34	3 55	22 34	0 15	19 15	1 41	13 58	0 47	1 48	1 32	26 33	8 20	7 42	7 12	18 11	17 39	5 4
T 11	20 42	25 31	5 5	20 17	3 1	21 35	1 33	12 38	3 57	22 34	0 15	19 15	1 40	13 59	0 47	1 48	1 32	26 34	8 20	7 44	7 13	18 14	17 39	5 3
F 12	20 30	27 38	5 8	20 27	2 51	21 43	1 31	12 43	3 59	22 34	0 15	19 15	1 40	14 0	0 47	1 47	1 32	26 34	8 21	7 46	7 14	18 17	17 39	5 3
S 13	20 17	28 26	4 57	20 36	2 41	21 50	1 28	12 48	4 1	22 33	0 15	19 15	1 40	14 1	0 47	1 46	1 32	26 35	8 21	7 49	7 15	18 19	17 39	5 3
S 14	20 4	27 46	4 32	20 46	2 31	21 58	1 25	12 53	4 3	22 33	0 15	19 15	1 40	14 2	0 47	1 46	1 32	26 35	8 21	7 52	7 17	18 22	17 39	5 3
M15	19 51	25 37	3 51	20 56	2 20	22 4	1 22	12 59	4 4	22 33	0 14	19 15	1 39	14 2	0 47	1 45	1 32	26 36	8 21	7 54	7 18	18 25	17 39	5 3
T 16	19 37	22 2	2 58	21 5	2 9	22 10	1 19	13 4	4 6	22 33	0 14	19 15	1 39	14 3	0 47	1 45	1 32	26 36	8 21	7 56	7 19	18 27	17 39	5 2
W17	19 23	17 15	1 54	21 14	1 58	22 15	1 15	13 10	4 8	22 32	0 14	19 15	1 39	14 4	0 47	1 44	1 32	26 37	8 21	7 58	7 20	18 30	17 39	5 2
T 18	19 8	11 31	0 43	21 23	1 47	22 19	1 12	13 16	4 9	22 32	0 14	19 15	1 39	14 5	0 47	1 43	1 32	26 37	8 21	7 58	7 21	18 33	17 39	5 2
F 19	18 54	5 11	0s33	21 31	1 36	22 23	1 9	13 23	4 11	22 32	0 14	19 15	1 38	14 6	0 47	1 43	1 32	26 37	8 21	7 58	7 23	18 35	17 39	5 2
S 20	18 38	1s28	1 47	21 38	1 25	22 27	1 6	13 30	4 12	22 32	0 13	19 15	1 38	14 6	0 47	1 42	1 32	26 38	8 21	7 58	7 24	18 38	17 39	5 1
S 21	18 23	8 5	2 55	21 45	1 14	22 29	1 3	13 36	4 14	22 32	0 13	19 15	1 38	14 7	0 47	1 42	1 32	26 38	8 21	7 57	7 25	18 41	17 39	5 1
M22	18 7	14 20	3 53	21 51	1 3	22 31	1 0	13 44	4 15	22 32	0 13	19 16	1 38	14 8	0 47	1 41	1 32	26 39	8 21	7 57	7 26	18 43	17 39	5 1
T 23	17 51	19 51	4 37	21 56	0 53	22 32	0 57	13 51	4 17	22 32	0 13	19 16	1 37	14 9	0 47	1 40	1 32	26 39	8 22	7 57	7 28	18 46	17 39	5 1
W24	17 34	24 17	5 4	22 0	0 42	22 33	0 53	13 58	4 18	22 32	0 13	19 16	1 37	14 10	0 47	1 40	1 31	26 40	8 22	7 57	7 29	18 49	17 39	5 1
T 25	17 18	27 14	5 13	22 3	0 32	22 33	0 50	14 6	4 19	22 32	0 13	19 16	1 37	14 11	0 47	1 39	1 31	26 40	8 22	7 58	7 30	18 51	17 39	5 0
F 26	17 0	28 28	5 3	22 6	0 22	22 32	0 47	14 14	4 20	22 32	0 12	19 16	1 37	14 12	0 47	1 38	1 31	26 41	8 22	7 59	7 31	18 54	17 39	5 0
S 27	16 43	27 51	4 35	22 7	0 13	22 31	0 44	14 22	4 21	22 32	0 12	19 17	1 36	14 12	0 47	1 37	1 31	26 41	8 22	8 1	7 32	18 56	17 39	5 0
S 28	16 25	25 31	3 51	22 7	0 3	22 29	0 41	14 30	4 22	22 32	0 12	19 17	1 36	14 13	0 47	1 37	1 31	26 41	8 22	8 2	7 34	18 59	17 39	4 59
M29	16 7	21 44	2 55	22 6	0s 6	22 26	0 37	14 38	4 23	22 32	0 12	19 17	1 36	14 14	0 47	1 36	1 31	26 42	8 22	8 3	7 35	19 2	17 39	4 59
T 30	15 49	16 54	1 50	22 4	0 15	22 23	0 34	14 46	4 24	22 32	0 12	19 17	1 36	14 15	0 47	1 35	1 31	26 42	8 22	8 4	7 36	19 4	17 40	4 59
W31	15s31	11s23	0s40	22s 0	0s24	22s19	0n31	14n54	4n25	22n32	0s12	19n18	1s35	14n16	0n47	1s35	1s31	26n43	8n22	8s 5	7s37	19n 7	17n40	4s59

Julian Day Number = 2161914.5, Delta T = 13m07s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°40'58, Lahiri = 12°47'58 Julian Calendar 1 Jan. 1207 == Greg. Calendar 8 Jan. 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

FEBRUARY 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 2	18♒59'16	14♓52	24♉ 0	15♉ 3	1°R41	15°R15	3♊ 2	24°R 7	29♓35	6°R52	9°D24	10♓34	10♉13	14°R12	T 1
F 2	9 13 59	19°59'45	27°21	25°17	16°16	1♍19	15°D15	3° 2	24♌ 4	29°37	6♌50	9♓25	10°30	10°19	14♊11	F 2
S 3	9 17 55	21° 0'11	9♈35	26°35	17°30	0°57	15♊15	3° 3	24° 1	29°38	6°49	9°26	10°27	10°26	14°11	S 3
S 4	9 21 52	22° 0'37	21°37	27°55	18°43	0°34	15°15	3° 4	23°59	29°40	6°47	9°28	10°24	10°33	14°10	S 4
M 5	9 25 48	23° 1'00	3♉32	29°16	19°56	0°11	15°16	3° 5	23°56	29°42	6°46	9°29	10°21	10°39	14° 9	M 5
T 6	9 29 45	24° 1'21	15°24	0♒38	21°10	29♌48	15°16	3° 6	23°53	29°44	6°45	9°30	10°18	10°46	14° 9	T 6
W 7	9 33 41	25° 1'40	27°16	2° 1	22°23	29°25	15°17	3° 7	23°51	29°46	6°43	9°R30	10°15	10°53	14° 8	W 7
T 8	9 37 38	26° 1'57	9♊16	3°26	23°36	29° 1	15°18	3° 8	23°48	29°48	6°42	9°29	10°11	10°59	14° 8	T 8
F 9	9 41 34	27° 2'13	21°26	4°52	24°50	28°37	15°19	3°10	23°46	29°50	6°41	9°28	10° 8	11° 6	14° 8	F 9
S 10	9 45 31	28° 2'26	3♋51	6°20	26° 3	28°14	15°21	3°11	23°43	29°52	6°39	9°27	10° 5	11°13	14° 8	S 10
S 11	9 49 27	29° 2'37	16°35	7°48	27°16	27°50	15°22	3°13	23°40	29°54	6°38	9°25	10° 2	11°20	14° 8	S 11
M12	9 53 24	0♓ 2'46	29°39	9°18	28°30	27°26	15°24	3°15	23°38	29°56	6°37	9°24	9°59	11°26	14°D 7	M12
T 13	9 57 21	1° 2'53	13♌ 4	10°49	29°43	27° 2	15°26	3°16	23°35	29°58	6°35	9°23	9°55	11°33	14° 8	T 13
W14	10 1 17	2° 2'58	26°49	12°20	0♒57	26°39	15°28	3°18	23°33	29°59	6°34	9°23	9°52	11°40	14° 8	W14
T 15	10 5 14	3° 3'01	10♍52	13°53	2°10	26°15	15°31	3°20	23°30	0♈ 2	6°33	9°D22	9°49	11°46	14° 8	T 15
F 16	10 9 10	4° 3'02	25° 8	15°28	3°24	25°52	15°33	3°23	23°27	0° 4	6°31	9°23	9°46	11°53	14° 8	F 16
S 17	10 13 7	5° 3'01	9♎34	17° 3	4°37	25°29	15°36	3°25	23°25	0° 6	6°30	9°23	9°43	12° 0	14° 9	S 17
S 18	10 17 3	6° 2'59	24° 3	18°39	5°51	25° 6	15°39	3°27	23°22	0° 8	6°29	9°23	9°40	12° 7	14° 9	S 18
M19	10 21 0	7° 2'55	8♏30	20°17	7° 4	24°44	15°42	3°30	23°20	0°10	6°28	9°24	9°36	12°13	14°10	M19
T 20	10 24 56	8° 2'49	22°52	21°55	8°18	24°22	15°46	3°32	23°17	0°13	6°27	9°24	9°33	12°20	14°10	T 20
W21	10 28 53	9° 2'41	7♐ 5	23°35	9°31	24° 0	15°49	3°35	23°15	0°15	6°25	9°24	9°30	12°27	14°11	W21
T 22	10 32 50	10° 2'32	21° 6	25°16	10°45	23°39	15°53	3°38	23°12	0°17	6°24	9°24	9°27	12°33	14°12	T 22
F 23	10 36 46	11° 2'22	4♑55	26°58	11°58	23°18	15°57	3°41	23°10	0°19	6°23	9°24	9°24	12°40	14°13	F 23
S 24	10 40 43	12° 2'09	18°31	28°42	13°12	22°58	16° 1	3°44	23° 7	0°21	6°22	9°24	9°20	12°47	14°13	S 24
S 25	10 44 39	13° 1'55	1♒54	0♓26	14°25	22°38	16° 5	3°47	23° 5	0°23	6°21	9°24	9°17	12°54	14°15	S 25
M26	10 48 36	14° 1'39	15° 3	2°12	15°39	22°19	16° 9	3°50	23° 3	0°26	6°20	9°25	9°14	13° 0	14°16	M26
T 27	10 52 32	15° 1'21	27°58	3°59	16°52	22° 0	16°14	3°53	23° 0	0°28	6°19	9°25	9°11	13° 7	14°17	T 27
W28	10 56 29	16♓ 1'01	10♓41	5♓47	18♒ 6	21♌42	16♊19	3♊57	22♌58	0♈30	6♌18	9°R25	9♓ 8	13♉14	14♊18	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s12	5s31	0n30	21s56	0s32	22s14	0n28	15n 3	4n25	22n32	0s11	19n18	1s35	14n17	0n47	1s34	1s31	26n43	8n22	8s 5	7s38	19n 9	17n40	4s58
F 2	14 53	0n26	1 37	21 50	0 40	22 8	0 25	15 11	4 26	22 32	0 11	19 18	1 35	14 18	0 47	1 33	1 31	26 43	8 22	8 5	7 40	19 12	17 40	4 58
S 3	14 34	6 15	2 39	21 43	0 48	22 2	0 21	15 20	4 26	22 32	0 11	19 19	1 34	14 19	0 47	1 32	1 31	26 44	8 22	8 4	7 41	19 14	17 40	4 58
S 4	14 14	11 45	3 32	21 35	0 55	21 56	0 18	15 28	4 26	22 33	0 11	19 19	1 34	14 20	0 47	1 31	1 31	26 44	8 22	8 3	7 42	19 17	17 40	4 58
M 5	13 54	16 45	4 16	21 25	1 3	21 48	0 15	15 36	4 27	22 33	0 11	19 20	1 34	14 20	0 47	1 31	1 31	26 45	8 22	8 3	7 43	19 20	17 41	4 57
T 6	13 34	21 7	4 49	21 14	1 9	21 41	0 12	15 45	4 27	22 33	0 11	19 20	1 34	14 21	0 47	1 30	1 31	26 45	8 22	8 3	7 44	19 22	17 41	4 57
W 7	13 14	24 39	5 9	21 2	1 16	21 32	0 9	15 53	4 27	22 33	0 10	19 21	1 33	14 22	0 47	1 29	1 31	26 45	8 22	8 3	7 46	19 25	17 41	4 57
T 8	12 54	27 9	5 16	20 48	1 22	21 23	0 6	16 1	4 27	22 34	0 10	19 21	1 33	14 23	0 47	1 28	1 31	26 46	8 22	8 3	7 47	19 27	17 41	4 56
F 9	12 33	28 25	5 9	20 33	1 28	21 13	0 3	16 10	4 26	22 34	0 10	19 22	1 33	14 24	0 47	1 27	1 31	26 46	8 22	8 3	7 48	19 30	17 42	4 56
S 10	12 12	28 17	4 48	20 17	1 33	21 2	0s 0	16 18	4 26	22 34	0 10	19 22	1 33	14 25	0 47	1 27	1 31	26 46	8 22	8 4	7 49	19 32	17 42	4 56
S 11	11 51	26 41	4 12	19 59	1 39	20 51	0 3	16 26	4 26	22 35	0 10	19 23	1 32	14 26	0 47	1 26	1 31	26 47	8 22	8 4	7 50	19 35	17 42	4 56
M12	11 30	23 37	3 23	19 40	1 43	20 39	0 6	16 33	4 25	22 35	0 10	19 23	1 32	14 26	0 47	1 25	1 31	26 47	8 22	8 5	7 52	19 37	17 43	4 55
T 13	11 9	19 13	2 21	19 20	1 48	20 27	0 9	16 41	4 24	22 35	0 9	19 24	1 32	14 27	0 47	1 24	1 31	26 47	8 22	8 5	7 53	19 40	17 43	4 55
W14	10 47	13 43	1 9	18 58	1 52	20 14	0 12	16 49	4 24	22 36	0 9	19 25	1 32	14 28	0 47	1 23	1 31	26 48	8 22	8 5	7 54	19 42	17 43	4 55
T 15	10 26	7 24	0s 8	18 35	1 56	20 1	0 15	16 56	4 23	22 36	0 9	19 25	1 31	14 29	0 47	1 23	1 31	26 48	8 22	8 5	7 55	19 45	17 43	4 54
F 16	10 4	0 37	1 26	18 10	1 59	19 47	0 18	17 3	4 22	22 36	0 9	19 26	1 31	14 30	0 47	1 22	1 31	26 48	8 22	8 5	7 56	19 47	17 44	4 54
S 17	9 42	6s15	2 40	17 44	2 2	19 32	0 21	17 10	4 21	22 37	0 9	19 27	1 31	14 31	0 47	1 21	1 31	26 49	8 22	8 5	7 58	19 50	17 44	4 54
S 18	9 20	12 49	3 43	17 16	2 5	19 17	0 24	17 17	4 20	22 37	0 9	19 27	1 31	14 32	0 47	1 20	1 31	26 49	8 22	8 5	7 59	19 52	17 44	4 53
M19	8 58	18 41	4 32	16 47	2 7	19 1	0 27	17 23	4 18	22 38	0 9	19 28	1 30	14 32	0 47	1 19	1 31	26 49	8 22	8 5	8 0	19 55	17 45	4 53
T 20	8 35	23 28	5 4	16 17	2 8	18 45	0 29	17 29	4 17	22 38	0 8	19 29	1 30	14 33	0 47	1 18	1 31	26 49	8 22	8 5	8 1	19 57	17 45	4 53
W21	8 13	26 47	5 17	15 45	2 10	18 28	0 32	17 35	4 16	22 39	0 8	19 29	1 30	14 34	0 47	1 17	1 31	26 50	8 22	8 5	8 2	20 0	17 46	4 53
T 22	7 50	28 25	5 11	15 12	2 11	18 10	0 35	17 41	4 14	22 39	0 8	19 30	1 30	14 35	0 47	1 17	1 31	26 50	8 22	8 5	8 4	20 2	17 46	4 52
F 23	7 27	28 13	4 46	14 38	2 11	17 52	0 37	17 47	4 12	22 40	0 8	19 31	1 29	14 36	0 47	1 16	1 31	26 50	8 22	8 5	8 5	20 5	17 46	4 52
S 24	7 5	26 19	4 6	14 2	2 11	17 34	0 40	17 52	4 11	22 41	0 8	19 32	1 29	14 36	0 47	1 15	1 31	26 50	8 21	8 5	8 6	20 7	17 47	4 52
S 25	6 42	22 58	3 13	13 24	2 11	17 15	0 42	17 57	4 9	22 41	0 8	19 33	1 29	14 37	0 47	1 14	1 31	26 51	8 21	8 5	8 7	20 10	17 47	4 51
M26	6 19	18 29	2 11	12 45	2 10	16 56	0 45	18 1	4 7	22 42	0 8	19 33	1 29	14 38	0 47	1 13	1 31	26 51	8 21	8 4	8 8	20 12	17 48	4 51
T 27	5 56	13 13	1 3	12 5	2 8	16 36	0 47	18 6	4 5	22 42	0 7	19 34	1 28	14 39	0 47	1 12	1 31	26 51	8 21	8 4	8 10	20 15	17 48	4 51
W28	5s32	7s29	0n 7	11s23	2s 7	16s15	0s49	18n10	4n 3	22n43	0s 7	19n35	1s28	14n40	0n47	1s11	1s31	26n51	8n21	8s 4	8s11	20n17	17n48	4s50

Julian Day Number = 2161945.5, Delta T = 13m07s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'02, Lahiri = 12°48'03 Julian Calendar 1 Feb. 1207 == Greg. Calendar 8 Feb. 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

MARCH 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 0 25	17♓ 0'39	23♓11	7♓37	19♒20	21°R25	16♊24	4♊ 0	22°R55	0♈32	6°R17	9°R25	9♓ 5	13♉20	14♊19	T 1
F 2	11 4 22	18° 0'14	5♈30	9°27	20°33	21♌ 8	16°29	4° 4	22♌53	0°34	6♌16	9♓24	9° 1	13°27	14°21	F 2
S 3	11 8 19	18°59'48	17°38	11°19	21°47	20°52	16°34	4° 7	22°51	0°37	6°15	9°23	8°58	13°34	14°22	S 3
S 4	11 12 15	19°59'19	29°38	13°12	23° 0	20°37	16°39	4°11	22°49	0°39	6°14	9°22	8°55	13°40	14°24	S 4
M 5	11 16 12	20°58'49	11♉32	15° 7	24°14	20°22	16°45	4°15	22°46	0°41	6°13	9°20	8°52	13°47	14°26	M 5
T 6	11 20 8	21°58'16	23°23	17° 2	25°27	20° 9	16°51	4°19	22°44	0°43	6°12	9°18	8°49	13°54	14°27	T 6
W 7	11 24 5	22°57'40	5♊15	18°59	26°41	19°56	16°57	4°23	22°42	0°46	6°11	9°17	8°46	14° 1	14°29	W 7
T 8	11 28 1	23°57'03	17°13	20°57	27°55	19°43	17° 3	4°27	22°40	0°48	6°10	9°16	8°42	14° 7	14°31	T 8
F 9	11 31 58	24°56'23	29°21	22°56	29° 8	19°32	17° 9	4°32	22°38	0°50	6° 9	9°D16	8°39	14°14	14°33	F 9
S 10	11 35 54	25°55'41	11♋43	24°56	0♓22	19°21	17°15	4°36	22°36	0°52	6° 8	9°17	8°36	14°21	14°35	S 10
S 11	11 39 51	26°54'56	24°25	26°58	1°35	19°11	17°22	4°40	22°34	0°55	6° 7	9°18	8°33	14°27	14°37	S 11
M12	11 43 48	27°54'09	7♌28	29° 0	2°49	19° 2	17°29	4°45	22°32	0°57	6° 7	9°19	8°30	14°34	14°39	M12
T 13	11 47 44	28°53'20	20°56	1♈ 2	4° 3	18°53	17°35	4°49	22°30	0°59	6° 6	9°21	8°26	14°41	14°42	T 13
W14	11 51 41	29°52'28	4♍50	3° 6	5°16	18°46	17°42	4°54	22°28	1° 1	6° 5	9°R21	8°23	14°48	14°44	W14
T 15	11 55 37	0♈51'34	19° 8	5° 9	6°30	18°39	17°49	4°59	22°26	1° 4	6° 4	9°21	8°20	14°54	14°46	T 15
F 16	11 59 34	1°50'38	3♎46	7°13	7°43	18°33	17°57	5° 4	22°24	1° 6	6° 4	9°20	8°17	15° 1	14°49	F 16
S 17	12 3 30	2°49'40	18°37	9°17	8°57	18°28	18° 4	5° 9	22°22	1° 8	6° 3	9°18	8°14	15° 8	14°51	S 17
S 18	12 7 27	3°48'40	3♏34	11°21	10°10	18°23	18°12	5°14	22°20	1°10	6° 2	9°14	8°11	15°14	14°54	S 18
M19	12 11 23	4°47'38	18°27	13°24	11°24	18°20	18°19	5°19	22°19	1°13	6° 2	9°11	8° 7	15°21	14°57	M19
T 20	12 15 20	5°46'34	3♐10	15°26	12°38	18°17	18°27	5°24	22°17	1°15	6° 1	9° 8	8° 4	15°28	14°59	T 20
W21	12 19 17	6°45'29	17°37	17°27	13°51	18°15	18°35	5°29	22°15	1°17	6° 0	9° 5	8° 1	15°35	15° 2	W21
T 22	12 23 13	7°44'22	1♑43	19°26	15° 5	18°13	18°43	5°34	22°14	1°20	6° 0	9°D 4	7°58	15°41	15° 5	T 22
F 23	12 27 10	8°43'13	15°29	21°24	16°18	18°D12	18°51	5°40	22°12	1°22	5°59	9° 4	7°55	15°48	15° 8	F 23
S 24	12 31 6	9°42'02	28°53	23°19	17°32	18°12	19° 0	5°45	22°11	1°24	5°59	9° 5	7°52	15°55	15°11	S 24
S 25	12 35 3	10°40'50	11♒59	25°11	18°46	18°13	19° 8	5°51	22° 9	1°26	5°58	9° 7	7°48	16° 1	15°14	S 25
M26	12 38 59	11°39'35	24°49	27° 0	19°59	18°15	19°17	5°56	22° 8	1°29	5°58	9° 8	7°45	16° 8	15°17	M26
T 27	12 42 56	12°38'19	7♓24	28°46	21°13	18°17	19°25	6° 2	22° 6	1°31	5°57	9°R 9	7°42	16°15	15°21	T 27
W28	12 46 52	13°37'01	19°48	0♉29	22°26	18°20	19°34	6° 8	22° 5	1°33	5°57	9° 9	7°39	16°22	15°24	W28
T 29	12 50 49	14°35'41	2♈ 3	2° 7	23°40	18°24	19°43	6°14	22° 4	1°35	5°57	9° 6	7°36	16°28	15°27	T 29
F 30	12 54 46	15°34'19	14° 9	3°42	24°54	18°28	19°52	6°19	22° 2	1°37	5°56	9° 2	7°32	16°35	15°31	F 30
S 31	12 58 42	16♈32'56	26♈10	5♉12	26♓ 7	18♌33	20♊ 1	6♊25	22♌ 1	1♈40	5♌56	8♓57	7♓29	16♉42	15♊34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 9	1s34	1n16	10s40	2s 4	15s55	0s52	18n14	4n 1	22n44	0s 7	19n36	1s28	14n40	0n47	1s10	1s31	26n51	8n21	8s 4	8s12	20n20	17n49	4s50
F 2	4 46	4n19	2 19	9 56	2 1	15 33	0 54	18 17	3 59	22 44	0 7	19 37	1 28	14 41	0 47	1 9	1 31	26 52	8 21	8 5	8 13	20 22	17 49	4 50
S 3	4 22	9 58	3 16	9 10	1 58	15 12	0 56	18 20	3 57	22 45	0 7	19 38	1 28	14 42	0 47	1 9	1 31	26 52	8 21	8 5	8 14	20 24	17 50	4 50
S 4	3 59	15 11	4 3	8 23	1 54	14 50	0 58	18 23	3 55	22 46	0 7	19 39	1 27	14 43	0 47	1 8	1 31	26 52	8 21	8 6	8 16	20 27	17 50	4 49
M 5	3 35	19 47	4 40	7 35	1 50	14 27	1 0	18 26	3 53	22 46	0 7	19 40	1 27	14 43	0 47	1 7	1 31	26 52	8 21	8 6	8 17	20 29	17 51	4 49
T 6	3 12	23 36	5 4	6 45	1 45	14 4	1 2	18 28	3 50	22 47	0 6	19 41	1 27	14 44	0 47	1 6	1 31	26 52	8 21	8 7	8 18	20 32	17 51	4 49
W 7	2 48	26 26	5 15	5 54	1 39	13 41	1 4	18 30	3 48	22 48	0 6	19 42	1 27	14 45	0 47	1 5	1 31	26 53	8 21	8 7	8 19	20 34	17 52	4 48
T 8	2 25	28 7	5 13	5 2	1 33	13 17	1 6	18 32	3 46	22 49	0 6	19 43	1 26	14 45	0 47	1 4	1 31	26 53	8 20	8 8	8 20	20 37	17 52	4 48
F 9	2 1	28 29	4 57	4 8	1 27	12 53	1 8	18 33	3 43	22 49	0 6	19 44	1 26	14 46	0 47	1 3	1 31	26 53	8 20	8 8	8 22	20 39	17 53	4 48
S 10	1 38	27 27	4 27	3 14	1 20	12 29	1 10	18 35	3 41	22 50	0 6	19 45	1 26	14 47	0 47	1 2	1 31	26 53	8 20	8 7	8 23	20 41	17 53	4 48
S 11	1 14	24 59	3 43	2 19	1 12	12 4	1 11	18 35	3 38	22 51	0 6	19 46	1 26	14 47	0 47	1 1	1 31	26 53	8 20	8 7	8 24	20 44	17 54	4 47
M12	0 50	21 10	2 47	1 23	1 4	11 39	1 13	18 36	3 36	22 52	0 6	19 47	1 26	14 48	0 47	1 0	1 31	26 53	8 20	8 6	8 25	20 46	17 54	4 47
T 13	0 27	16 9	1 40	0 26	0 55	11 14	1 15	18 36	3 34	22 52	0 5	19 48	1 25	14 49	0 47	1 0	1 31	26 53	8 20	8 6	8 26	20 48	17 55	4 47
W14	0 3	10 10	0 25	0n32	0 46	10 48	1 16	18 36	3 31	22 53	0 5	19 49	1 25	14 49	0 47	0 59	1 31	26 53	8 20	8 6	8 28	20 51	17 55	4 46
T 15	0n21	3 30	0s54	1 30	0 36	10 22	1 18	18 36	3 29	22 54	0 5	19 50	1 25	14 50	0 47	0 58	1 31	26 53	8 20	8 6	8 29	20 53	17 56	4 46
F 16	0 44	3s30	2 10	2 29	0 26	9 56	1 19	18 36	3 26	22 55	0 5	19 51	1 25	14 50	0 47	0 57	1 31	26 53	8 20	8 6	8 30	20 56	17 56	4 46
S 17	1 8	10 24	3 19	3 27	0 16	9 29	1 20	18 35	3 24	22 55	0 5	19 52	1 24	14 51	0 47	0 56	1 31	26 53	8 19	8 7	8 31	20 58	17 57	4 46
S 18	1 31	16 45	4 15	4 26	0 5	9 3	1 22	18 34	3 21	22 56	0 5	19 53	1 24	14 52	0 46	0 55	1 31	26 54	8 19	8 8	8 32	21 0	17 58	4 45
M19	1 55	22 5	4 53	5 24	0n 6	8 36	1 23	18 33	3 18	22 57	0 5	19 54	1 24	14 52	0 46	0 54	1 31	26 54	8 19	8 10	8 34	21 3	17 58	4 45
T 20	2 18	25 59	5 12	6 22	0 17	8 8	1 24	18 31	3 16	22 58	0 5	19 55	1 24	14 53	0 46	0 53	1 31	26 54	8 19	8 11	8 35	21 5	17 59	4 45
W21	2 42	28 7	5 10	7 19	0 28	7 41	1 25	18 30	3 13	22 59	0 4	19 56	1 24	14 53	0 46	0 52	1 31	26 54	8 19	8 12	8 36	21 7	17 59	4 45
T 22	3 5	28 21	4 49	8 15	0 40	7 13	1 26	18 28	3 11	22 59	0 4	19 58	1 23	14 54	0 46	0 51	1 31	26 54	8 19	8 12	8 37	21 10	18 0	4 44
F 23	3 28	26 49	4 13	9 10	0 51	6 45	1 27	18 25	3 8	23 0	0 4	19 59	1 23	14 54	0 46	0 51	1 31	26 54	8 19	8 12	8 38	21 12	18 0	4 44
S 24	3 52	23 46	3 23	10 4	1 3	6 17	1 28	18 23	3 6	23 1	0 4	20 0	1 23	14 55	0 46	0 50	1 31	26 54	8 19	8 12	8 40	21 14	18 1	4 44
S 25	4 15	19 34	2 23	10 56	1 14	5 49	1 28	18 20	3 3	23 2	0 4	20 1	1 23	14 55	0 46	0 49	1 31	26 54	8 18	8 11	8 41	21 17	18 1	4 44
M26	4 38	14 32	1 18	11 46	1 25	5 21	1 29	18 18	3 1	23 3	0 4	20 2	1 23	14 55	0 46	0 48	1 31	26 54	8 18	8 11	8 42	21 19	18 2	4 43
T 27	5 1	8 58	0 10	12 34	1 35	4 52	1 30	18 15	2 58	23 4	0 4	20 3	1 22	14 56	0 46	0 47	1 31	26 54	8 18	8 10	8 43	21 21	18 3	4 43
W28	5 24	3 10	0n58	13 20	1 46	4 24	1 30	18 11	2 56	23 4	0 4	20 4	1 22	14 56	0 46	0 46	1 31	26 54	8 18	8 11	8 44	21 23	18 3	4 43
T 29	5 47	2n40	2 2	14 4	1 55	3 55	1 31	18 8	2 54	23 5	0 3	20 6	1 22	14 57	0 46	0 45	1 31	26 54	8 18	8 11	8 45	21 26	18 4	4 43
F 30	6 9	8 21	2 59	14 45	2 4	3 26	1 31	18 4	2 51	23 6	0 3	20 7	1 22	14 57	0 46	0 44	1 31	26 53	8 18	8 13	8 47	21 28	18 4	4 42
S 31	6n32	13n40	3n48	15n24	2n13	2s57	1s32	18n 0	2n49	23n 7	0s 3	20n 8	1s22	14n57	0n46	0s44	1s31	26n53	8n18	8s15	8s48	21n30	18n 5	4s42

Julian Day Number = 2161973.5, Delta T = 13m07s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'06, Lahiri = 12°48'06 Julian Calendar 1 March 1207 == Greg. Calendar 8 March 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

APRIL 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 2 39	17♈31'30	8♉ 5	6♉37	27♓21	18♌39	20♊11	6♊31	22°R 0	1♈42	5°R56	8°R50	7♓26	16♉48	15♊38	S 1
M 2	13 6 35	18°30'02	19°57	7°58	28°34	18°45	20°20	6°37	21♌59	1°44	5♌55	8♓42	7°23	16°55	15°41	M 2
T 3	13 10 32	19°28'32	1♊48	9°14	29°48	18°52	20°29	6°44	21°58	1°46	5°55	8°35	7°20	17° 2	15°45	T 3
W 4	13 14 28	20°27'01	13°41	10°25	1♈ 2	19° 0	20°39	6°50	21°57	1°48	5°55	8°28	7°17	17° 9	15°48	W 4
T 5	13 18 25	21°25'27	25°39	11°31	2°15	19° 8	20°49	6°56	21°56	1°51	5°55	8°23	7°13	17°15	15°52	T 5
F 6	13 22 21	22°23'51	7♋45	12°32	3°29	19°17	20°59	7° 2	21°55	1°53	5°55	8°20	7°10	17°22	15°56	F 6
S 7	13 26 18	23°22'12	20° 4	13°28	4°42	19°26	21° 9	7° 9	21°54	1°55	5°54	8°D19	7° 7	17°29	16° 0	S 7
S 8	13 30 15	24°20'32	2♌40	14°18	5°56	19°37	21°19	7°15	21°53	1°57	5°54	8°19	7° 4	17°35	16° 4	S 8
M 9	13 34 11	25°18'50	15°38	15° 3	7° 9	19°47	21°29	7°22	21°53	1°59	5°54	8°21	7° 1	17°42	16° 8	M 9
T 10	13 38 8	26°17'05	29° 1	15°43	8°23	19°58	21°39	7°28	21°52	2° 1	5°54	8°22	6°57	17°49	16°12	T 10
W11	13 42 4	27°15'18	12♍52	16°17	9°37	20°10	21°49	7°35	21°51	2° 3	5°D54	8°R22	6°54	17°56	16°16	W11
T 12	13 46 1	28°13'29	27°12	16°45	10°50	20°23	22° 0	7°41	21°51	2° 6	5°54	8°20	6°51	18° 2	16°20	T 12
F 13	13 49 57	29°11'39	11♎57	17° 8	12° 4	20°35	22°10	7°48	21°50	2° 8	5°54	8°17	6°48	18° 9	16°24	F 13
S 14	13 53 54	0♉ 9'46	27° 1	17°26	13°17	20°49	22°21	7°55	21°50	2°10	5°54	8°11	6°45	18°16	16°28	S 14
S 15	13 57 50	1° 7'52	12♏15	17°38	14°31	21° 3	22°31	8° 1	21°49	2°12	5°54	8° 4	6°42	18°22	16°33	S 15
M16	14 1 47	2° 5'56	27°29	17°44	15°44	21°17	22°42	8° 8	21°49	2°14	5°54	7°56	6°38	18°29	16°37	M16
T 17	14 5 43	3° 3'59	12♐33	17°R46	16°58	21°32	22°53	8°15	21°49	2°16	5°55	7°48	6°35	18°36	16°41	T 17
W18	14 9 40	4° 2'00	27°16	17°42	18°11	21°47	23° 4	8°22	21°48	2°18	5°55	7°42	6°32	18°43	16°46	W18
T 19	14 13 37	5° 0'00	11♑35	17°34	19°25	22° 3	23°15	8°29	21°48	2°20	5°55	7°37	6°29	18°49	16°50	T 19
F 20	14 17 33	5°57'58	25°26	17°20	20°38	22°19	23°26	8°36	21°48	2°22	5°55	7°35	6°26	18°56	16°55	F 20
S 21	14 21 30	6°55'55	8♒51	17° 3	21°52	22°36	23°37	8°43	21°48	2°24	5°55	7°D34	6°23	19° 3	16°59	S 21
S 22	14 25 26	7°53'51	21°51	16°41	23° 6	22°53	23°49	8°50	21°48	2°26	5°56	7°35	6°19	19° 9	17° 4	S 22
M23	14 29 23	8°51'45	4♓32	16°16	24°19	23°11	24° 0	8°57	21°D48	2°28	5°56	7°R36	6°16	19°16	17° 9	M23
T 24	14 33 19	9°49'38	16°56	15°48	25°33	23°29	24°11	9° 5	21°48	2°29	5°56	7°35	6°13	19°23	17°13	T 24
W25	14 37 16	10°47'30	29° 8	15°17	26°46	23°47	24°23	9°12	21°48	2°31	5°57	7°33	6°10	19°30	17°18	W25
T 26	14 41 12	11°45'20	11♈11	14°44	28° 0	24° 6	24°34	9°19	21°48	2°33	5°57	7°28	6° 7	19°36	17°23	T 26
F 27	14 45 9	12°43'09	23° 8	14°10	29°13	24°26	24°46	9°26	21°48	2°35	5°58	7°21	6° 3	19°43	17°28	F 27
S 28	14 49 6	13°40'57	5♉ 2	13°35	0♉27	24°45	24°58	9°34	21°48	2°37	5°58	7°11	6° 0	19°50	17°32	S 28
S 29	14 53 2	14°38'43	16°54	13° 0	1°40	25° 5	25° 9	9°41	21°49	2°39	5°59	6°59	5°57	19°56	17°37	S 29
M30	14 56 59	15♉36'28	28♉46	12♉25	2♉54	25♌26	25♊21	9♊48	21♌49	2♈40	5♌59	6♓46	5♓54	20♉ 3	17♊42	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n55	18n27	4n26	16n 0	2n21	2s28	1s32	17n56	2n46	23n 8	0s 3	20n 9	1s22	14n58	0n46	0s43	1s31	26n53	8n17	8s18	8s49	21n33	18n 6	4s42
M 2	7 17	22 30	4 53	16 33	2 28	1 59	1 32	17 52	2 44	23 8	0 3	20 10	1 21	14 58	0 46	0 42	1 31	26 53	8 17	8 21	8 50	21 35	18 6	4 42
T 3	7 39	25 37	5 7	17 4	2 34	1 29	1 32	17 47	2 42	23 9	0 3	20 12	1 21	14 58	0 46	0 41	1 31	26 53	8 17	8 23	8 51	21 37	18 7	4 42
W 4	8 1	27 38	5 8	17 32	2 39	1 0	1 32	17 43	2 39	23 10	0 3	20 13	1 21	14 59	0 46	0 40	1 31	26 53	8 17	8 26	8 53	21 39	18 7	4 41
T 5	8 23	28 23	4 55	17 57	2 44	0 31	1 32	17 38	2 37	23 11	0 3	20 14	1 21	14 59	0 46	0 39	1 31	26 53	8 17	8 28	8 54	21 42	18 8	4 41
F 6	8 45	27 48	4 29	18 19	2 47	0 1	1 32	17 33	2 35	23 12	0 3	20 15	1 21	14 59	0 46	0 38	1 31	26 53	8 17	8 29	8 55	21 44	18 9	4 41
S 7	9 7	25 51	3 51	18 38	2 49	0n28	1 32	17 28	2 32	23 12	0 2	20 17	1 20	14 59	0 46	0 38	1 31	26 53	8 16	8 29	8 56	21 46	18 9	4 41
S 8	9 29	22 35	3 1	18 55	2 51	0 58	1 32	17 22	2 30	23 13	0 2	20 18	1 20	15 0	0 46	0 37	1 31	26 53	8 16	8 29	8 57	21 48	18 10	4 40
M 9	9 50	18 7	2 0	19 9	2 51	1 27	1 32	17 17	2 28	23 14	0 2	20 19	1 20	15 0	0 46	0 36	1 31	26 53	8 16	8 29	8 59	21 50	18 10	4 40
T 10	10 11	12 39	0 50	19 20	2 50	1 57	1 31	17 11	2 25	23 15	0 2	20 20	1 20	15 0	0 46	0 35	1 31	26 52	8 16	8 28	9 0	21 53	18 11	4 40
W11	10 32	6 23	0s24	19 28	2 49	2 26	1 31	17 5	2 23	23 16	0 2	20 21	1 20	15 0	0 46	0 34	1 31	26 52	8 16	8 28	9 1	21 55	18 11	4 40
T 12	10 53	0s24	1 40	19 33	2 46	2 55	1 30	16 59	2 21	23 16	0 2	20 23	1 20	15 0	0 46	0 33	1 31	26 52	8 16	8 29	9 2	21 57	18 12	4 40
F 13	11 14	7 21	2 50	19 36	2 41	3 25	1 30	16 53	2 19	23 17	0 2	20 24	1 19	15 1	0 46	0 33	1 31	26 52	8 16	8 30	9 3	21 59	18 13	4 40
S 14	11 35	14 2	3 51	19 36	2 36	3 54	1 29	16 47	2 17	23 18	0 2	20 25	1 19	15 1	0 46	0 32	1 31	26 52	8 15	8 32	9 4	22 1	18 13	4 39
S 15	11 55	19 57	4 35	19 33	2 29	4 23	1 29	16 40	2 15	23 18	0 2	20 26	1 19	15 1	0 46	0 31	1 31	26 52	8 15	8 35	9 6	22 4	18 14	4 39
M16	12 15	24 34	5 1	19 27	2 21	4 52	1 28	16 33	2 12	23 19	0 1	20 28	1 19	15 1	0 46	0 30	1 31	26 51	8 15	8 38	9 7	22 6	18 14	4 39
T 17	12 35	27 26	5 5	19 19	2 12	5 21	1 27	16 27	2 10	23 20	0 1	20 29	1 19	15 1	0 46	0 30	1 31	26 51	8 15	8 41	9 8	22 8	18 15	4 39
W18	12 55	28 19	4 48	19 8	2 2	5 50	1 26	16 20	2 8	23 21	0 1	20 30	1 19	15 1	0 45	0 29	1 31	26 51	8 15	8 43	9 9	22 10	18 16	4 39
T 19	13 15	27 15	4 14	18 55	1 50	6 19	1 25	16 13	2 6	23 21	0 1	20 31	1 19	15 1	0 45	0 28	1 31	26 51	8 15	8 45	9 10	22 12	18 16	4 39
F 20	13 34	24 31	3 26	18 39	1 38	6 48	1 24	16 5	2 4	23 22	0 1	20 33	1 18	15 1	0 45	0 27	1 31	26 51	8 14	8 46	9 12	22 14	18 17	4 38
S 21	13 53	20 30	2 27	18 21	1 24	7 16	1 23	15 58	2 2	23 23	0 1	20 34	1 18	15 1	0 45	0 26	1 31	26 50	8 14	8 46	9 13	22 17	18 17	4 38
S 22	14 12	15 36	1 23	18 1	1 10	7 44	1 22	15 50	2 0	23 23	0 1	20 35	1 18	15 1	0 45	0 26	1 32	26 50	8 14	8 46	9 14	22 19	18 18	4 38
M23	14 31	10 9	0 16	17 39	0 55	8 13	1 21	15 43	1 58	23 24	0 1	20 36	1 18	15 1	0 45	0 25	1 32	26 50	8 14	8 45	9 15	22 21	18 18	4 38
T 24	14 49	4 25	0n50	17 15	0 39	8 41	1 20	15 35	1 56	23 24	0 1	20 38	1 18	15 1	0 45	0 24	1 32	26 50	8 14	8 46	9 16	22 23	18 19	4 38
W25	15 8	1n22	1 52	16 51	0 22	9 9	1 19	15 27	1 54	23 25	0 0	20 39	1 18	15 1	0 45	0 24	1 32	26 49	8 14	8 46	9 17	22 25	18 20	4 38
T 26	15 26	7 2	2 49	16 25	0 5	9 36	1 17	15 19	1 52	23 26	0 0	20 40	1 18	15 1	0 45	0 23	1 32	26 49	8 13	8 48	9 19	22 27	18 20	4 38
F 27	15 43	12 23	3 37	15 58	0s12	10 4	1 16	15 10	1 51	23 26	0 0	20 41	1 17	15 1	0 45	0 22	1 32	26 49	8 13	8 51	9 20	22 29	18 21	4 37
S 28	16 1	17 16	4 16	15 31	0 30	10 31	1 15	15 2	1 49	23 27	0 0	20 42	1 17	15 1	0 45	0 21	1 32	26 49	8 13	8 55	9 21	22 32	18 21	4 37
S 29	16 18	21 29	4 43	15 4	0 47	10 58	1 13	14 53	1 47	23 27	0 0	20 44	1 17	15 1	0 45	0 21	1 32	26 48	8 13	8 59	9 22	22 34	18 22	4 37
M30	16n35	24n49	4n58	14n37	1s 4	11n25	1s12	14n45	1n45	23n28	0n 0	20n45	1s17	15n 0	0n45	0s20	1s32	26n48	8n13	9s 4	9s23	22n36	18n22	4s37

Julian Day Number = 2162004.5, Delta T = 13m07s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'10, Lahiri = 12°48'11 Julian Calendar 1 Apr. 1207 == Greg. Calendar 8 Apr. 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

MAY 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 0 55	16♉34'12	10♊39	11°R51	4♉ 7	25♌47	25♊33	9♊56	21♌49	2♈42	6♌ 0	6°R34	5♓51	20♉10	17♊47	T 1
W 2	15 4 52	17°31'54	22°34	11♉19	5°21	26° 8	25°45	10° 3	21°50	2°44	6° 0	6♓22	5°48	20°17	17°52	W 2
T 3	15 8 48	18°29'35	4♋35	10°49	6°35	26°29	25°57	10°11	21°50	2°46	6° 1	6°13	5°44	20°23	17°57	T 3
F 4	15 12 45	19°27'14	16°43	10°21	7°48	26°51	26° 9	10°18	21°51	2°47	6° 1	6° 6	5°41	20°30	18° 2	F 4
S 5	15 16 41	20°24'51	29° 3	9°57	9° 2	27°14	26°21	10°26	21°52	2°49	6° 2	6° 2	5°38	20°37	18° 7	S 5
S 6	15 20 38	21°22'28	11♌37	9°35	10°15	27°36	26°34	10°33	21°52	2°51	6° 3	6° 0	5°35	20°43	18°12	S 6
M 7	15 24 35	22°20'02	24°31	9°18	11°29	27°59	26°46	10°41	21°53	2°52	6° 3	6°D 0	5°32	20°50	18°17	M 7
T 8	15 28 31	23°17'35	7♍47	9° 4	12°42	28°22	26°58	10°48	21°54	2°54	6° 4	6°R 0	5°29	20°57	18°23	T 8
W 9	15 32 28	24°15'07	21°31	8°55	13°56	28°46	27°11	10°56	21°55	2°56	6° 5	5°59	5°25	21° 4	18°28	W 9
T 10	15 36 24	25°12'37	5♎42	8°50	15° 9	29°10	27°23	11° 4	21°56	2°57	6° 5	5°57	5°22	21°10	18°33	T 10
F 11	15 40 21	26°10'05	20°20	8°D49	16°23	29°34	27°35	11°11	21°57	2°59	6° 6	5°52	5°19	21°17	18°38	F 11
S 12	15 44 17	27° 7'33	5♏21	8°53	17°36	29°58	27°48	11°19	21°58	3° 0	6° 7	5°44	5°16	21°24	18°43	S 12
S 13	15 48 14	28° 4'59	20°37	9° 2	18°50	0♐23	28° 1	11°27	21°59	3° 2	6° 8	5°35	5°13	21°31	18°49	S 13
M14	15 52 10	29° 2'25	5♐57	9°14	20° 3	0°48	28°13	11°34	22° 0	3° 3	6° 9	5°24	5° 9	21°37	18°54	M14
T 15	15 56 7	29°59'49	21° 9	9°32	21°17	1°13	28°26	11°42	22° 1	3° 5	6°10	5°14	5° 6	21°44	18°59	T 15
W16	16 0 4	0♊57'13	6♑ 4	9°53	22°30	1°39	28°39	11°50	22° 2	3° 6	6°11	5° 5	5° 3	21°51	19° 5	W16
T 17	16 4 0	1°54'36	20°33	10°20	23°44	2° 5	28°51	11°58	22° 3	3° 7	6°12	4°58	5° 0	21°57	19°10	T 17
F 18	16 7 57	2°51'58	4♒33	10°50	24°58	2°31	29° 4	12° 5	22° 5	3° 9	6°13	4°54	4°57	22° 4	19°16	F 18
S 19	16 11 53	3°49'19	18° 4	11°24	26°11	2°57	29°17	12°13	22° 6	3°10	6°13	4°52	4°54	22°11	19°21	S 19
S 20	16 15 50	4°46'40	1♓ 7	12° 3	27°25	3°24	29°30	12°21	22° 7	3°11	6°15	4°52	4°50	22°18	19°26	S 20
M21	16 19 46	5°44'00	13°47	12°46	28°38	3°51	29°43	12°29	22° 9	3°13	6°16	4°52	4°47	22°24	19°32	M21
T 22	16 23 43	6°41'20	26° 8	13°32	29°52	4°18	29°56	12°36	22°10	3°14	6°17	4°51	4°44	22°31	19°37	T 22
W23	16 27 40	7°38'39	8♈16	14°23	1♊ 5	4°45	0♋ 9	12°44	22°12	3°15	6°18	4°48	4°41	22°38	19°43	W23
T 24	16 31 36	8°35'58	20°14	15°17	2°19	5°13	0°22	12°52	22°13	3°16	6°19	4°43	4°38	22°44	19°48	T 24
F 25	16 35 33	9°33'16	2♉ 7	16°15	3°33	5°41	0°35	13° 0	22°15	3°17	6°20	4°35	4°35	22°51	19°54	F 25
S 26	16 39 29	10°30'34	13°58	17°16	4°46	6° 9	0°48	13° 8	22°17	3°19	6°21	4°24	4°31	22°58	19°59	S 26
S 27	16 43 26	11°27'51	25°49	18°21	6° 0	6°37	1° 1	13°16	22°18	3°20	6°22	4°11	4°28	23° 5	20° 5	S 27
M28	16 47 22	12°25'08	7♊42	19°29	7°13	7° 6	1°14	13°23	22°20	3°21	6°23	3°58	4°25	23°11	20°10	M28
T 29	16 51 19	13°22'24	19°40	20°41	8°27	7°34	1°27	13°31	22°22	3°22	6°25	3°44	4°22	23°18	20°16	T 29
W30	16 55 15	14°19'40	1♋42	21°56	9°41	8° 3	1°40	13°39	22°24	3°23	6°26	3°32	4°19	23°25	20°21	W30
T 31	16 59 12	15♊16'55	13♋51	23♉15	10♊54	8♍32	1♋53	13♊47	22♌26	3♈24	6♌27	3♓22	4♓15	23♉32	20♊27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n52	27n 6	5n 1	14n10	1s21	11n51	1s10	14n36	1n43	23n28	0n 0	20n46	1s17	15n 0	0n45	0s19	1s32	26n48	8n13	9s 9	9s24	22n38	18n23	4s37
W 2	17 8	28 9	4 50	13 45	1 37	12 17	1 8	14 27	1 41	23 29	0 0	20 47	1 17	15 0	0 45	0 19	1 32	26 48	8 13	9 13	9 26	22 40	18 23	4 37
T 3	17 24	27 53	4 26	13 21	1 53	12 43	1 7	14 18	1 40	23 29	0 0	20 49	1 17	15 0	0 45	0 18	1 32	26 47	8 12	9 16	9 27	22 42	18 24	4 37
F 4	17 40	26 17	3 50	12 58	2 8	13 9	1 5	14 9	1 38	23 30	0 0	20 50	1 17	15 0	0 45	0 17	1 32	26 47	8 12	9 19	9 28	22 44	18 24	4 37
S 5	17 56	23 25	3 2	12 37	2 22	13 34	1 3	14 0	1 36	23 30	0 1	20 51	1 16	14 59	0 45	0 17	1 32	26 47	8 12	9 20	9 29	22 46	18 25	4 37
S 6	18 11	19 23	2 5	12 18	2 35	13 59	1 2	13 50	1 34	23 31	0 1	20 52	1 16	14 59	0 45	0 16	1 32	26 46	8 12	9 21	9 30	22 48	18 26	4 37
M 7	18 26	14 22	1 0	12 1	2 47	14 24	1 0	13 41	1 33	23 31	0 1	20 53	1 16	14 59	0 45	0 16	1 32	26 46	8 12	9 21	9 31	22 50	18 26	4 37
T 8	18 41	8 32	0s 9	11 46	2 58	14 48	0 58	13 31	1 31	23 31	0 1	20 55	1 16	14 58	0 45	0 15	1 32	26 46	8 12	9 21	9 33	22 52	18 27	4 37
W 9	18 55	2 8	1 21	11 34	3 8	15 12	0 56	13 21	1 29	23 32	0 1	20 56	1 16	14 58	0 45	0 14	1 32	26 45	8 12	9 21	9 34	22 54	18 27	4 36
T 10	19 9	4s34	2 30	11 24	3 17	15 36	0 54	13 11	1 28	23 32	0 1	20 57	1 16	14 58	0 45	0 14	1 32	26 45	8 11	9 22	9 35	22 56	18 28	4 36
F 11	19 23	11 14	3 31	11 16	3 25	15 59	0 52	13 1	1 26	23 33	0 1	20 58	1 16	14 58	0 45	0 13	1 32	26 45	8 11	9 24	9 36	22 58	18 28	4 36
S 12	19 36	17 26	4 20	11 11	3 31	16 22	0 50	12 51	1 25	23 33	0 1	20 59	1 16	14 57	0 45	0 13	1 32	26 44	8 11	9 27	9 37	23 0	18 28	4 36
S 13	19 49	22 39	4 50	11 8	3 37	16 44	0 48	12 41	1 23	23 33	0 1	21 0	1 16	14 57	0 45	0 12	1 32	26 44	8 11	9 30	9 39	23 2	18 29	4 36
M14	20 2	26 19	5 0	11 8	3 41	17 6	0 46	12 30	1 21	23 33	0 1	21 1	1 15	14 56	0 44	0 12	1 32	26 44	8 11	9 34	9 40	23 4	18 29	4 36
T 15	20 14	28 3	4 49	11 11	3 45	17 27	0 44	12 20	1 20	23 34	0 2	21 3	1 15	14 56	0 44	0 11	1 32	26 43	8 11	9 38	9 41	23 6	18 30	4 36
W16	20 26	27 42	4 18	11 15	3 47	17 48	0 42	12 9	1 18	23 34	0 2	21 4	1 15	14 56	0 44	0 11	1 33	26 43	8 11	9 41	9 42	23 8	18 30	4 36
T 17	20 38	25 26	3 31	11 22	3 48	18 9	0 39	11 58	1 17	23 34	0 2	21 5	1 15	14 55	0 44	0 10	1 33	26 42	8 10	9 44	9 43	23 10	18 31	4 36
F 18	20 49	21 41	2 33	11 31	3 49	18 29	0 37	11 47	1 15	23 34	0 2	21 6	1 15	14 55	0 44	0 10	1 33	26 42	8 10	9 45	9 44	23 12	18 31	4 36
S 19	21 0	16 52	1 28	11 42	3 48	18 49	0 35	11 37	1 14	23 35	0 2	21 7	1 15	14 54	0 44	0 9	1 33	26 42	8 10	9 46	9 46	23 14	18 32	4 36
S 20	21 11	11 26	0 20	11 55	3 46	19 8	0 33	11 25	1 12	23 35	0 2	21 8	1 15	14 54	0 44	0 9	1 33	26 41	8 10	9 46	9 47	23 16	18 32	4 36
M21	21 21	5 41	0n47	12 11	3 44	19 27	0 31	11 14	1 11	23 35	0 2	21 9	1 15	14 53	0 44	0 8	1 33	26 41	8 10	9 46	9 48	23 18	18 33	4 36
T 22	21 31	0n 8	1 50	12 27	3 41	19 45	0 28	11 3	1 9	23 35	0 2	21 10	1 15	14 53	0 44	0 8	1 33	26 40	8 10	9 47	9 49	23 20	18 33	4 36
W23	21 41	5 50	2 47	12 46	3 37	20 3	0 26	10 52	1 8	23 35	0 2	21 12	1 15	14 52	0 44	0 7	1 33	26 40	8 10	9 48	9 50	23 22	18 33	4 36
T 24	21 50	11 15	3 35	13 6	3 32	20 20	0 24	10 40	1 6	23 35	0 2	21 13	1 14	14 52	0 44	0 7	1 33	26 40	8 9	9 49	9 51	23 24	18 34	4 36
F 25	21 59	16 13	4 14	13 28	3 27	20 36	0 21	10 28	1 5	23 35	0 3	21 14	1 14	14 51	0 44	0 6	1 33	26 39	8 9	9 52	9 52	23 26	18 34	4 36
S 26	22 7	20 34	4 41	13 51	3 21	20 52	0 19	10 17	1 3	23 35	0 3	21 15	1 14	14 50	0 44	0 6	1 33	26 39	8 9	9 56	9 54	23 28	18 34	4 36
S 27	22 15	24 5	4 56	14 16	3 14	21 8	0 17	10 5	1 2	23 35	0 3	21 16	1 14	14 50	0 44	0 6	1 33	26 38	8 9	10 1	9 55	23 30	18 35	4 36
M28	22 23	26 36	4 59	14 41	3 7	21 23	0 14	9 53	1 1	23 35	0 3	21 17	1 14	14 49	0 44	0 5	1 33	26 38	8 9	10 6	9 56	23 32	18 35	4 36
T 29	22 30	27 56	4 48	15 8	2 59	21 37	0 12	9 41	0 59	23 35	0 3	21 18	1 14	14 49	0 44	0 5	1 33	26 38	8 9	10 11	9 57	23 34	18 36	4 36
W30	22 37	27 57	4 25	15 35	2 50	21 51	0 10	9 29	0 58	23 35	0 3	21 19	1 14	14 48	0 44	0 5	1 33	26 37	8 9	10 15	9 58	23 36	18 36	4 36
T 31	22n44	26n37	3n49	16n 4	2s41	22n 4	0s 7	9n17	0n57	23n35	0n 3	21n20	1s14	14n47	0n44	0s 4	1s33	26n37	8n 9	10s19	9s59	23n38	18n36	4s36

Julian Day Number = 2162034.5, Delta T = 13m06s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'14, Lahiri = 12°48'15 Julian Calendar 1 May 1207 == Greg. Calendar 8 May 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

JUNE 1207 JC — 00:00 UT

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

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n50	24n 0	3n 2	16n33	2s32	22n16	0s 5	9n 4	0n55	23n35	0n 3	21n21	1s14	14n47	0n44	0s 4	1s33	26n36	8n 9	10s22	10s 1	23n39	18n37	4s36
S 2	22 55	20 13	2 6	17 3	2 22	22 28	0 2	8 52	0 54	23 35	0 3	21 22	1 14	14 46	0 44	0 4	1 33	26 36	8 9	10 24	10 2	23 41	18 37	4 36
S 3	23 1	15 28	1 3	17 33	2 12	22 39	0n 0	8 39	0 53	23 35	0 3	21 23	1 14	14 45	0 44	0 3	1 33	26 35	8 8	10 24	10 3	23 43	18 37	4 37
M 4	23 6	9 56	0s 6	18 4	2 1	22 49	0 2	8 27	0 51	23 34	0 4	21 24	1 14	14 44	0 44	0 3	1 34	26 35	8 8	10 24	10 4	23 45	18 38	4 37
T 5	23 10	3 51	1 15	18 34	1 50	22 59	0 5	8 14	0 50	23 34	0 4	21 25	1 14	14 44	0 44	0 3	1 34	26 35	8 8	10 24	10 5	23 47	18 38	4 37
W 6	23 14	2s35	2 22	19 5	1 39	23 9	0 7	8 1	0 49	23 34	0 4	21 26	1 14	14 43	0 44	0 2	1 34	26 34	8 8	10 25	10 6	23 49	18 38	4 37
T 7	23 18	9 4	3 23	19 36	1 27	23 17	0 9	7 48	0 47	23 34	0 4	21 27	1 13	14 42	0 44	0 2	1 34	26 34	8 8	10 25	10 8	23 51	18 38	4 37
F 8	23 21	15 16	4 13	20 6	1 16	23 25	0 12	7 35	0 46	23 33	0 4	21 28	1 13	14 41	0 44	0 2	1 34	26 33	8 8	10 27	10 9	23 52	18 39	4 37
S 9	23 24	20 44	4 47	20 36	1 4	23 32	0 14	7 22	0 45	23 33	0 4	21 29	1 13	14 41	0 44	0 2	1 34	26 33	8 8	10 29	10 10	23 54	18 39	4 37
S 10	23 27	24 59	5 2	21 5	0 52	23 39	0 17	7 9	0 44	23 33	0 4	21 29	1 13	14 40	0 44	0 1	1 34	26 32	8 8	10 32	10 11	23 56	18 39	4 37
M11	23 29	27 32	4 56	21 33	0 40	23 44	0 19	6 56	0 43	23 33	0 4	21 30	1 13	14 39	0 44	0 1	1 34	26 32	8 8	10 35	10 12	23 58	18 39	4 37
T 12	23 30	28 2	4 30	22 0	0 28	23 49	0 21	6 43	0 41	23 32	0 4	21 31	1 13	14 38	0 43	0 1	1 34	26 31	8 8	10 39	10 13	24 0	18 40	4 37
W13	23 31	26 30	3 45	22 25	0 17	23 54	0 23	6 29	0 40	23 32	0 4	21 32	1 13	14 37	0 43	0 1	1 34	26 31	8 8	10 42	10 15	24 2	18 40	4 37
T 14	23 32	23 12	2 47	22 49	0 5	23 58	0 26	6 16	0 39	23 31	0 4	21 33	1 13	14 36	0 43	0 1	1 34	26 30	8 7	10 44	10 16	24 3	18 40	4 38
F 15	23 33	18 36	1 40	23 11	0n 6	24 1	0 28	6 2	0 38	23 31	0 5	21 34	1 13	14 36	0 43	0 1	1 34	26 30	8 7	10 45	10 17	24 5	18 40	4 38
S 16	23 33	13 11	0 30	23 32	0 17	24 3	0 30	5 49	0 37	23 31	0 5	21 35	1 13	14 35	0 43	0 0	1 34	26 30	8 7	10 46	10 18	24 7	18 41	4 38
S 17	23 32	7 21	0n40	23 50	0 28	24 4	0 32	5 35	0 35	23 30	0 5	21 36	1 13	14 34	0 43	0 0	1 34	26 29	8 7	10 46	10 19	24 9	18 41	4 38
M18	23 31	1 24	1 46	24 5	0 38	24 5	0 35	5 21	0 34	23 30	0 5	21 36	1 13	14 33	0 43	0 0	1 34	26 29	8 7	10 46	10 20	24 11	18 41	4 38
T 19	23 30	4n27	2 45	24 18	0 47	24 5	0 37	5 7	0 33	23 29	0 5	21 37	1 13	14 32	0 43	0 0	1 34	26 28	8 7	10 45	10 21	24 12	18 41	4 38
W20	23 28	10 0	3 36	24 29	0 56	24 5	0 39	4 53	0 32	23 29	0 5	21 38	1 13	14 31	0 43	0n 0	1 34	26 28	8 7	10 46	10 23	24 14	18 41	4 38
T 21	23 26	15 7	4 16	24 37	1 5	24 3	0 41	4 39	0 31	23 28	0 5	21 39	1 13	14 30	0 43	0 0	1 35	26 27	8 7	10 47	10 24	24 16	18 41	4 39
F 22	23 24	19 38	4 45	24 42	1 12	24 1	0 43	4 25	0 30	23 27	0 5	21 40	1 13	14 29	0 43	0 0	1 35	26 27	8 7	10 49	10 25	24 18	18 42	4 39
S 23	23 21	23 22	5 1	24 44	1 19	23 59	0 45	4 11	0 29	23 27	0 5	21 40	1 13	14 28	0 43	0 0	1 35	26 26	8 7	10 51	10 26	24 19	18 42	4 39
S 24	23 18	26 8	5 5	24 43	1 26	23 55	0 47	3 57	0 27	23 26	0 5	21 41	1 13	14 27	0 43	0 0	1 35	26 26	8 7	10 54	10 27	24 21	18 42	4 39
M25	23 14	27 45	4 55	24 39	1 31	23 51	0 49	3 43	0 26	23 25	0 6	21 42	1 13	14 26	0 43	0 0	1 35	26 25	8 7	10 58	10 28	24 23	18 42	4 39
T 26	23 10	28 4	4 32	24 33	1 36	23 46	0 51	3 28	0 25	23 25	0 6	21 43	1 13	14 25	0 43	0 0	1 35	26 25	8 7	11 1	10 29	24 25	18 42	4 39
W27	23 5	27 2	3 56	24 24	1 40	23 40	0 53	3 14	0 24	23 24	0 6	21 43	1 13	14 24	0 43	0 0	1 35	26 24	8 7	11 4	10 31	24 26	18 42	4 40
T 28	23 0	24 40	3 9	24 12	1 44	23 34	0 55	2 59	0 23	23 23	0 6	21 44	1 13	14 23	0 43	0 0	1 35	26 24	8 7	11 7	10 32	24 28	18 42	4 40
F 29	22 55	21 5	2 12	23 58	1 46	23 27	0 57	2 45	0 22	23 23	0 6	21 45	1 13	14 22	0 43	0 0	1 35	26 23	8 7	11 9	10 33	24 30	18 42	4 40
S 30	22n49	16n29	1n 8	23n42	1n48	23n19	0n58	2n30	0n21	23n22	0n 6	21n46	1s13	14n21	0n43	0n 0	1s35	26n23	8n 7	11s10	10s34	24n31	18n42	4s40

Julian Day Number = 2162065.5, Delta T = 13m06s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'19, Lahiri = 12°48'19 Julian Calendar 1 June 1207 == Greg. Calendar 8 June 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

JULY 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 1 25	14♋49'50	1♍12	22♋51	19♋ 0	25♍ 6	8♋50	17♊44	23♌46	3°R39	7♌14	1°D 0	2♓37	27♉ 0	23♊19	S 1
M 2	19 5 22	15°47'05	14°20	24°51	20°14	25°40	9° 3	17°51	23°49	3♈39	7°16	1♓ 0	2°34	27° 7	23°24	M 2
T 3	19 9 18	16°44'21	27°42	26°49	21°28	26°15	9°16	17°58	23°52	3°39	7°18	1° 2	2°31	27°13	23°29	T 3
W 4	19 13 15	17°41'37	11♎21	28°46	22°42	26°50	9°30	18° 6	23°55	3°39	7°20	1°R 3	2°27	27°20	23°34	W 4
T 5	19 17 12	18°38'53	25°17	0♌41	23°56	27°25	9°43	18°13	23°58	3°39	7°21	1° 3	2°24	27°27	23°40	T 5
F 6	19 21 8	19°36'09	9♏31	2°34	25°10	28° 0	9°57	18°20	24° 2	3°38	7°23	1° 1	2°21	27°34	23°45	F 6
S 7	19 25 5	20°33'27	24° 1	4°26	26°24	28°35	10°10	18°27	24° 5	3°38	7°25	0°58	2°18	27°40	23°50	S 7
S 8	19 29 1	21°30'44	8♐42	6°16	27°38	29°10	10°23	18°34	24° 8	3°38	7°27	0°53	2°15	27°47	23°55	S 8
M 9	19 32 58	22°28'03	23°28	8° 4	28°52	29°46	10°37	18°41	24°11	3°38	7°28	0°48	2°12	27°54	24° 1	M 9
T 10	19 36 54	23°25'21	8♑13	9°51	0♌ 6	0♎21	10°50	18°48	24°15	3°38	7°30	0°42	2° 8	28° 0	24° 6	T 10
W11	19 40 51	24°22'41	22°48	11°36	1°20	0°57	11° 3	18°55	24°18	3°37	7°32	0°37	2° 5	28° 7	24°11	W11
T 12	19 44 47	25°20'01	7♒ 6	13°19	2°34	1°33	11°17	19° 2	24°22	3°37	7°34	0°34	2° 2	28°14	24°16	T 12
F 13	19 48 44	26°17'22	21° 3	15° 0	3°47	2° 9	11°30	19° 8	24°25	3°36	7°36	0°32	1°59	28°21	24°21	F 13
S 14	19 52 41	27°14'45	4♓37	16°40	5° 1	2°45	11°43	19°15	24°28	3°36	7°38	0°D32	1°56	28°27	24°26	S 14
S 15	19 56 37	28°12'08	17°45	18°18	6°15	3°21	11°56	19°22	24°32	3°36	7°39	0°33	1°53	28°34	24°31	S 15
M16	20 0 34	29° 9'32	0♈31	19°54	7°29	3°57	12° 9	19°29	24°35	3°35	7°41	0°34	1°49	28°41	24°36	M16
T 17	20 4 30	0♌ 6'58	12°58	21°29	8°43	4°34	12°23	19°35	24°39	3°35	7°43	0°36	1°46	28°48	24°41	T 17
W18	20 8 27	1° 4'25	25° 9	23° 2	9°57	5°10	12°36	19°42	24°42	3°34	7°45	0°37	1°43	28°54	24°46	W18
T 19	20 12 23	2° 1'53	7♉ 9	24°33	11°11	5°47	12°49	19°48	24°46	3°34	7°47	0°R37	1°40	29° 1	24°51	T 19
F 20	20 16 20	2°59'23	19° 3	26° 3	12°25	6°24	13° 2	19°55	24°49	3°33	7°49	0°36	1°37	29° 8	24°55	F 20
S 21	20 20 16	3°56'54	0♊56	27°31	13°39	7° 1	13°15	20° 1	24°53	3°32	7°50	0°33	1°33	29°14	25° 0	S 21
S 22	20 24 13	4°54'26	12°51	28°57	14°54	7°38	13°28	20° 8	24°56	3°32	7°52	0°30	1°30	29°21	25° 5	S 22
M23	20 28 10	5°52'00	24°53	0♍22	16° 8	8°15	13°41	20°14	25° 0	3°31	7°54	0°26	1°27	29°28	25°10	M23
T 24	20 32 6	6°49'35	7♋ 4	1°44	17°22	8°52	13°54	20°20	25° 4	3°30	7°56	0°22	1°24	29°35	25°14	T 24
W25	20 36 3	7°47'12	19°26	3° 5	18°36	9°29	14° 6	20°26	25° 7	3°29	7°58	0°19	1°21	29°41	25°19	W25
T 26	20 39 59	8°44'50	2♌ 1	4°24	19°50	10° 7	14°19	20°32	25°11	3°29	8° 0	0°16	1°18	29°48	25°24	T 26
F 27	20 43 56	9°42'29	14°49	5°42	21° 4	10°44	14°32	20°38	25°15	3°28	8° 2	0°14	1°14	29°55	25°28	F 27
S 28	20 47 52	10°40'09	27°52	6°57	22°18	11°22	14°45	20°44	25°18	3°27	8° 3	0°D14	1°11	0♊ 2	25°33	S 28
S 29	20 51 49	11°37'51	11♍ 7	8°10	23°32	12° 0	14°58	20°50	25°22	3°26	8° 5	0°14	1° 8	0° 8	25°37	S 29
M30	20 55 45	12°35'33	24°35	9°22	24°46	12°38	15°10	20°56	25°26	3°25	8° 7	0°15	1° 5	0°15	25°41	M30
T 31	20 59 42	13♌33'17	8♎16	10♍31	26♌ 0	13♎16	15♋23	21♊ 2	25♌29	3♈24	8♌ 9	0♓16	1♓ 2	0♊22	25♊46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n43	11n 5	0s 1	23n24	1n49	23n11	1n 0	2n16	0n20	23n21	0n 6	21n46	1s13	14n20	0n43	0n 0	1s35	26n22	8n 7	11s10	10s35	24n33	18n42	4s40
M 2	22 36	5 6	1 11	23 3	1 50	23 2	1 2	2 1	0 19	23 20	0 6	21 47	1 12	14 19	0 43	0 0	1 35	26 22	8 7	11 10	10 36	24 35	18 42	4 41
T 3	22 29	1s13	2 19	22 40	1 49	22 52	1 3	1 46	0 18	23 19	0 6	21 48	1 12	14 18	0 43	0 0	1 35	26 21	8 7	11 9	10 38	24 36	18 42	4 41
W 4	22 22	7 35	3 21	22 16	1 49	22 42	1 5	1 31	0 17	23 19	0 6	21 48	1 12	14 17	0 43	0s 0	1 35	26 21	8 7	11 9	10 39	24 38	18 42	4 41
T 5	22 14	13 43	4 12	21 50	1 47	22 30	1 7	1 16	0 16	23 18	0 7	21 49	1 12	14 16	0 43	0 0	1 35	26 20	8 7	11 9	10 40	24 40	18 42	4 41
F 6	22 6	19 16	4 48	21 23	1 45	22 19	1 8	1 2	0 15	23 17	0 7	21 50	1 12	14 15	0 43	0 0	1 35	26 20	8 7	11 10	10 41	24 41	18 42	4 42
S 7	21 58	23 49	5 7	20 54	1 42	22 6	1 10	0 47	0 14	23 16	0 7	21 50	1 12	14 14	0 43	0 0	1 35	26 20	8 7	11 11	10 42	24 43	18 42	4 42
S 8	21 49	26 54	5 7	20 23	1 39	21 53	1 11	0 32	0 13	23 15	0 7	21 51	1 12	14 12	0 43	0 1	1 36	26 19	8 7	11 12	10 43	24 45	18 42	4 42
M 9	21 40	28 9	4 46	19 52	1 36	21 39	1 12	0 16	0 12	23 14	0 7	21 51	1 12	14 11	0 43	0 1	1 36	26 19	8 7	11 14	10 44	24 46	18 42	4 42
T 10	21 30	27 23	4 6	19 20	1 31	21 25	1 14	0 1	0 11	23 13	0 7	21 52	1 12	14 10	0 43	0 1	1 36	26 18	8 7	11 16	10 46	24 48	18 42	4 43
W11	21 20	24 45	3 11	18 46	1 27	21 10	1 15	0s14	0 10	23 12	0 7	21 53	1 12	14 9	0 43	0 1	1 36	26 18	8 7	11 18	10 47	24 50	18 42	4 43
T 12	21 10	20 35	2 4	18 12	1 22	20 55	1 16	0 29	0 9	23 11	0 7	21 53	1 12	14 8	0 43	0 1	1 36	26 17	8 7	11 19	10 48	24 51	18 42	4 43
F 13	20 59	15 21	0 51	17 37	1 16	20 38	1 17	0 44	0 8	23 10	0 7	21 54	1 12	14 7	0 43	0 1	1 36	26 17	8 7	11 20	10 49	24 53	18 42	4 43
S 14	20 48	9 31	0n22	17 2	1 10	20 22	1 18	0 59	0 7	23 9	0 7	21 54	1 12	14 6	0 43	0 2	1 36	26 16	8 7	11 20	10 50	24 54	18 42	4 44
S 15	20 37	3 26	1 33	16 26	1 4	20 4	1 19	1 15	0 6	23 8	0 8	21 55	1 12	14 4	0 43	0 2	1 36	26 16	8 7	11 20	10 51	24 56	18 42	4 44
M16	20 25	2n36	2 37	15 49	0 57	19 46	1 20	1 30	0 5	23 7	0 8	21 55	1 12	14 3	0 43	0 2	1 36	26 15	8 7	11 19	10 52	24 58	18 42	4 44
T 17	20 13	8 23	3 31	15 12	0 50	19 28	1 21	1 45	0 4	23 6	0 8	21 56	1 12	14 2	0 43	0 2	1 36	26 15	8 7	11 19	10 53	24 59	18 42	4 45
W18	20 0	13 44	4 15	14 35	0 43	19 9	1 22	2 1	0 3	23 5	0 8	21 56	1 12	14 1	0 43	0 3	1 36	26 14	8 7	11 18	10 55	25 1	18 42	4 45
T 19	19 48	18 29	4 47	13 57	0 36	18 49	1 23	2 16	0 2	23 3	0 8	21 57	1 12	14 0	0 43	0 3	1 36	26 14	8 7	11 18	10 56	25 2	18 42	4 45
F 20	19 35	22 28	5 7	13 19	0 28	18 29	1 23	2 32	0 1	23 2	0 8	21 57	1 12	13 59	0 43	0 3	1 36	26 14	8 7	11 19	10 57	25 4	18 42	4 45
S 21	19 21	25 32	5 13	12 42	0 19	18 8	1 24	2 47	0 0	23 1	0 8	21 58	1 12	13 57	0 43	0 4	1 36	26 13	8 7	11 19	10 58	25 5	18 41	4 46
S 22	19 7	27 30	5 6	12 4	0 11	17 47	1 25	3 3	0s 0	23 0	0 8	21 58	1 12	13 56	0 43	0 4	1 36	26 13	8 7	11 21	10 59	25 7	18 41	4 46
M23	18 53	28 12	4 45	11 26	0 2	17 26	1 25	3 18	0 1	22 59	0 8	21 59	1 12	13 55	0 43	0 4	1 36	26 12	8 7	11 22	11 0	25 8	18 41	4 46
T 24	18 39	27 33	4 12	10 48	0s 7	17 4	1 26	3 34	0 2	22 57	0 9	21 59	1 12	13 54	0 43	0 4	1 36	26 12	8 7	11 23	11 1	25 10	18 41	4 47
W25	18 24	25 31	3 26	10 10	0 16	16 41	1 26	3 49	0 3	22 56	0 9	22 0	1 12	13 52	0 43	0 5	1 36	26 11	8 7	11 25	11 3	25 11	18 41	4 47
T 26	18 9	22 13	2 29	9 33	0 25	16 18	1 26	4 5	0 4	22 55	0 9	22 0	1 12	13 51	0 43	0 5	1 37	26 11	8 8	11 26	11 4	25 13	18 41	4 47
F 27	17 54	17 48	1 24	8 56	0 34	15 54	1 27	4 21	0 5	22 54	0 9	22 1	1 12	13 50	0 43	0 6	1 37	26 10	8 8	11 26	11 5	25 15	18 40	4 48
S 28	17 38	12 28	0 13	8 19	0 44	15 31	1 27	4 36	0 6	22 52	0 9	22 1	1 12	13 49	0 43	0 6	1 37	26 10	8 8	11 26	11 6	25 16	18 40	4 48
S 29	17 22	6 30	1s 0	7 43	0 54	15 6	1 27	4 52	0 7	22 51	0 9	22 1	1 12	13 47	0 43	0 6	1 37	26 10	8 8	11 26	11 7	25 18	18 40	4 48
M30	17 6	0 10	2 10	7 7	1 4	14 41	1 27	5 7	0 8	22 50	0 9	22 2	1 12	13 46	0 43	0 7	1 37	26 9	8 8	11 26	11 8	25 19	18 40	4 49
T 31	16n50	6s16	3s15	6n31	1s14	14n16	1n27	5s23	0s 8	22n48	0n 9	22n 2	1s12	13n45	0n43	0s 7	1s37	26n 9	8n 8	11s26	11s 9	25n20	18n40	4s49

Julian Day Number = 2162095.5, Delta T = 13m06s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'23, Lahiri = 12°48'23 Julian Calendar 1 July 1207 == Greg. Calendar 8 July 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

AUGUST 1207 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 3 39	14♌31'02	22♎ 7	11♍38	27♌14	13♎54	15♋35	21♊ 8	25♌33	3°R23	8♌11	0♓17	0♓59	0♊28	25♊50	W 1
T 2	21 7 35	15°28'48	6♏ 9	12°42	28°28	14°32	15°48	21°13	25°37	3♈22	8°13	0°18	0°55	0°35	25°54	T 2
F 3	21 11 32	16°26'36	20°19	13°44	29°42	15°10	16° 0	21°19	25°40	3°21	8°14	0°R18	0°52	0°42	25°59	F 3
S 4	21 15 28	17°24'24	4♐36	14°44	0♍57	15°49	16°13	21°25	25°44	3°20	8°16	0°18	0°49	0°49	26° 3	S 4
S 5	21 19 25	18°22'14	18°57	15°40	2°11	16°27	16°25	21°30	25°48	3°19	8°18	0°17	0°46	0°55	26° 7	S 5
M 6	21 23 21	19°20'05	3♑17	16°34	3°25	17° 6	16°38	21°35	25°52	3°18	8°20	0°15	0°43	1° 2	26°11	M 6
T 7	21 27 18	20°17'58	17°34	17°25	4°39	17°45	16°50	21°41	25°55	3°17	8°22	0°14	0°39	1° 9	26°15	T 7
W 8	21 31 15	21°15'52	1♒43	18°13	5°53	18°23	17° 2	21°46	25°59	3°16	8°24	0°13	0°36	1°15	26°19	W 8
T 9	21 35 11	22°13'47	15°39	18°57	7° 7	19° 2	17°14	21°51	26° 3	3°15	8°25	0°12	0°33	1°22	26°23	T 9
F 10	21 39 8	23°11'43	29°18	19°38	8°21	19°41	17°26	21°56	26° 7	3°14	8°27	0°D12	0°30	1°29	26°27	F 10
S 11	21 43 4	24° 9'42	12♓40	20°15	9°35	20°20	17°38	22° 1	26°10	3°13	8°29	0°12	0°27	1°36	26°30	S 11
S 12	21 47 1	25° 7'42	25°42	20°48	10°49	21° 0	17°50	22° 6	26°14	3°11	8°31	0°13	0°24	1°42	26°34	S 12
M13	21 50 57	26° 5'44	8♈26	21°16	12° 3	21°39	18° 2	22°11	26°18	3°10	8°33	0°13	0°20	1°49	26°38	M13
T 14	21 54 54	27° 3'47	20°52	21°40	13°17	22°18	18°14	22°16	26°22	3° 9	8°34	0°14	0°17	1°56	26°41	T 14
W15	21 58 50	28° 1'53	3♉ 4	21°59	14°31	22°58	18°26	22°21	26°25	3° 8	8°36	0°14	0°14	2° 3	26°45	W15
T 16	22 2 47	29° 0'01	15° 6	22°13	15°46	23°37	18°37	22°25	26°29	3° 6	8°38	0°14	0°11	2° 9	26°48	T 16
F 17	22 6 43	29°58'10	27° 1	22°21	17° 0	24°17	18°49	22°30	26°33	3° 5	8°40	0°14	0° 8	2°16	26°52	F 17
S 18	22 10 40	0♍56'22	8♊54	22°R23	18°14	24°57	19° 1	22°34	26°37	3° 4	8°41	0°14	0° 5	2°23	26°55	S 18
S 19	22 14 37	1°54'36	20°50	22°20	19°28	25°37	19°12	22°39	26°40	3° 2	8°43	0°14	0° 1	2°29	26°58	S 19
M20	22 18 33	2°52'52	2♋53	22°10	20°42	26°17	19°24	22°43	26°44	3° 1	8°45	0°14	29♒58	2°36	27° 2	M20
T 21	22 22 30	3°51'10	15° 7	21°54	21°56	26°57	19°35	22°47	26°48	3° 0	8°47	0°15	29°55	2°43	27° 5	T 21
W22	22 26 26	4°49'30	27°36	21°31	23°10	27°37	19°46	22°51	26°52	2°58	8°48	0°15	29°52	2°50	27° 8	W22
T 23	22 30 23	5°47'52	10♌23	21° 2	24°24	28°17	19°57	22°55	26°55	2°57	8°50	0°15	29°49	2°56	27°11	T 23
F 24	22 34 19	6°46'16	23°27	20°26	25°38	28°58	20° 9	22°59	26°59	2°55	8°52	0°16	29°45	3° 3	27°14	F 24
S 25	22 38 16	7°44'42	6♍51	19°44	26°52	29°38	20°20	23° 3	27° 3	2°54	8°53	0°R16	29°42	3°10	27°17	S 25
S 26	22 42 12	8°43'10	20°31	18°56	28° 6	0♏19	20°30	23° 7	27° 7	2°52	8°55	0°15	29°39	3°17	27°20	S 26
M27	22 46 9	9°41'39	4♎27	18° 3	29°20	0°59	20°41	23°10	27°10	2°51	8°57	0°15	29°36	3°23	27°23	M27
T 28	22 50 6	10°40'11	18°34	17° 6	0♎35	1°40	20°52	23°14	27°14	2°49	8°58	0°13	29°33	3°30	27°25	T 28
W29	22 54 2	11°38'44	2♏48	16° 5	1°49	2°21	21° 3	23°17	27°18	2°48	9° 0	0°12	29°30	3°37	27°28	W29
T 30	22 57 59	12°37'19	17° 6	15° 3	3° 3	3° 2	21°13	23°21	27°21	2°46	9° 2	0°11	29°26	3°43	27°30	T 30
F 31	23 1 55	13♍35'55	1♐24	13♍59	4♎17	3♏43	21♋24	23♊24	27♌25	2♈45	9♌ 3	0♓10	29♒23	3♊50	27♊33	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n33	12s29	4s 9	5n57	1s24	13n51	1n27	5s39	0s 9	22n47	0n 9	22n 2	1s13	13n44	0n43	0s 8	1s37	26n 8	8n 8	11s25	11s11	25n22	18n39	4s49
T 2	16 16	18 9	4 48	5 23	1 34	13 25	1 27	5 54	0 10	22 46	0 9	22 3	1 13	13 42	0 43	0 8	1 37	26 8	8 8	11 25	11 12	25 23	18 39	4 50
F 3	15 59	22 54	5 11	4 49	1 44	12 59	1 27	6 10	0 11	22 44	0 10	22 3	1 13	13 41	0 43	0 8	1 37	26 8	8 8	11 25	11 13	25 25	18 39	4 50
S 4	15 41	26 19	5 15	4 17	1 54	12 32	1 26	6 26	0 12	22 43	0 10	22 3	1 13	13 40	0 43	0 9	1 37	26 7	8 8	11 25	11 14	25 26	18 39	4 51
S 5	15 23	28 3	4 59	3 46	2 4	12 5	1 26	6 41	0 13	22 42	0 10	22 4	1 13	13 39	0 43	0 9	1 37	26 7	8 8	11 25	11 15	25 28	18 38	4 51
M 6	15 5	27 55	4 25	3 15	2 15	11 38	1 26	6 57	0 13	22 40	0 10	22 4	1 13	13 37	0 43	0 10	1 37	26 6	8 9	11 26	11 16	25 29	18 38	4 51
T 7	14 47	25 56	3 35	2 46	2 25	11 10	1 25	7 13	0 14	22 39	0 10	22 4	1 13	13 36	0 43	0 10	1 37	26 6	8 9	11 26	11 17	25 31	18 38	4 52
W 8	14 28	22 19	2 31	2 18	2 35	10 42	1 25	7 28	0 15	22 37	0 10	22 5	1 13	13 35	0 43	0 11	1 37	26 6	8 9	11 27	11 18	25 32	18 37	4 52
T 9	14 10	17 29	1 20	1 52	2 45	10 14	1 24	7 44	0 16	22 36	0 10	22 5	1 13	13 34	0 43	0 11	1 37	26 5	8 9	11 27	11 20	25 33	18 37	4 53
F 10	13 51	11 51	0 5	1 27	2 54	9 46	1 23	7 59	0 17	22 34	0 10	22 5	1 13	13 32	0 43	0 12	1 37	26 5	8 9	11 27	11 21	25 35	18 37	4 53
S 11	13 32	5 47	1n 8	1 4	3 4	9 17	1 23	8 15	0 17	22 33	0 11	22 6	1 13	13 31	0 43	0 12	1 37	26 4	8 9	11 27	11 22	25 36	18 37	4 53
S 12	13 12	0n22	2 17	0 42	3 13	8 48	1 22	8 30	0 18	22 32	0 11	22 6	1 13	13 30	0 43	0 13	1 37	26 4	8 9	11 27	11 23	25 38	18 36	4 54
M13	12 52	6 22	3 16	0 23	3 22	8 19	1 21	8 46	0 19	22 30	0 11	22 6	1 13	13 28	0 43	0 13	1 37	26 4	8 9	11 27	11 24	25 39	18 36	4 54
T 14	12 33	11 58	4 5	0 6	3 31	7 50	1 20	9 1	0 20	22 29	0 11	22 6	1 13	13 27	0 43	0 14	1 37	26 3	8 10	11 26	11 25	25 40	18 36	4 55
W15	12 13	17 0	4 42	0s 9	3 39	7 20	1 19	9 17	0 20	22 27	0 11	22 7	1 13	13 26	0 43	0 14	1 37	26 3	8 10	11 26	11 26	25 42	18 35	4 55
T 16	11 52	21 18	5 6	0 21	3 46	6 50	1 18	9 32	0 21	22 26	0 11	22 7	1 13	13 25	0 43	0 15	1 37	26 3	8 10	11 26	11 27	25 43	18 35	4 56
F 17	11 32	24 42	5 16	0 31	3 53	6 20	1 17	9 48	0 22	22 24	0 11	22 7	1 13	13 23	0 43	0 16	1 37	26 2	8 10	11 26	11 29	25 44	18 35	4 56
S 18	11 11	27 2	5 13	0 38	3 59	5 50	1 16	10 3	0 23	22 23	0 11	22 7	1 13	13 22	0 43	0 16	1 38	26 2	8 10	11 26	11 30	25 46	18 34	4 56
S 19	10 50	28 9	4 57	0 41	4 4	5 20	1 15	10 18	0 23	22 21	0 11	22 7	1 13	13 21	0 43	0 17	1 38	26 2	8 10	11 26	11 31	25 47	18 34	4 57
M20	10 29	27 58	4 27	0 41	4 9	4 49	1 13	10 34	0 24	22 20	0 12	22 8	1 13	13 19	0 43	0 17	1 38	26 1	8 11	11 26	11 32	25 48	18 33	4 57
T 21	10 8	26 24	3 45	0 38	4 12	4 19	1 12	10 49	0 25	22 18	0 12	22 8	1 13	13 18	0 43	0 18	1 38	26 1	8 11	11 26	11 33	25 50	18 33	4 58
W22	9 47	23 32	2 51	0 30	4 14	3 48	1 10	11 4	0 26	22 17	0 12	22 8	1 13	13 17	0 43	0 18	1 38	26 1	8 11	11 26	11 34	25 51	18 33	4 58
T 23	9 26	19 27	1 48	0 19	4 14	3 17	1 9	11 19	0 26	22 15	0 12	22 8	1 13	13 16	0 43	0 19	1 38	26 0	8 11	11 26	11 35	25 52	18 32	4 59
F 24	9 4	14 21	0 38	0 4	4 13	2 46	1 7	11 34	0 27	22 14	0 12	22 8	1 13	13 14	0 43	0 20	1 38	26 0	8 11	11 26	11 36	25 54	18 32	4 59
S 25	8 42	8 29	0s36	0n15	4 10	2 15	1 6	11 49	0 28	22 12	0 12	22 8	1 13	13 13	0 43	0 20	1 38	26 0	8 11	11 26	11 38	25 55	18 31	5 0
S 26	8 20	2 5	1 50	0 38	4 6	1 44	1 4	12 4	0 28	22 10	0 12	22 9	1 13	13 12	0 43	0 21	1 38	26 0	8 12	11 26	11 39	25 56	18 31	5 0
M27	7 58	4s30	2 58	1 4	3 59	1 13	1 2	12 19	0 29	22 9	0 12	22 9	1 13	13 11	0 43	0 22	1 38	25 59	8 12	11 26	11 40	25 58	18 31	5 1
T 28	7 36	10 57	3 56	1 34	3 51	0 42	1 1	12 34	0 30	22 7	0 13	22 9	1 13	13 9	0 43	0 22	1 38	25 59	8 12	11 27	11 41	25 59	18 30	5 1
W29	7 14	16 53	4 41	2 7	3 41	0 11	0 59	12 49	0 31	22 6	0 13	22 9	1 13	13 8	0 43	0 23	1 38	25 59	8 12	11 27	11 42	26 0	18 30	5 1
T 30	6 51	21 55	5 8	2 43	3 28	0s21	0 57	13 4	0 31	22 4	0 13	22 9	1 14	13 7	0 43	0 23	1 38	25 59	8 12	11 27	11 43	26 1	18 29	5 2
F 31	6n29	25s41	5s16	3n20	3s14	0s52	0n55	13s19	0s32	22n 3	0n13	22n 9	1s14	13n 5	0n43	0s24	1s38	25n58	8n13	11s28	11s44	26n 3	18n29	5s 2

Julian Day Number = 2162126.5, Delta T = 13m06s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'27, Lahiri = 12°48'27 Julian Calendar 1 Aug. 1207 == Greg. Calendar 8 Aug. 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

SEPTEMBER 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 5 52	14♍34'34	15♐38	12°R56	5♎31	4♏24	21♋34	23♊27	27♌29	2°R43	9♌ 5	0°D10	29♒20	3♊57	27♊35	S 1
S 2	23 9 48	15°33'14	29°46	11♍55	6°45	5° 5	21°45	23°30	27°32	2♈42	9° 6	0♓10	29°17	4° 4	27°38	S 2
M 3	23 13 45	16°31'55	13♑47	10°59	7°59	5°46	21°55	23°33	27°36	2°40	9° 8	0°11	29°14	4°10	27°40	M 3
T 4	23 17 41	17°30'39	27°38	10° 7	9°13	6°27	22° 5	23°36	27°39	2°38	9° 9	0°12	29°10	4°17	27°42	T 4
W 5	23 21 38	18°29'24	11♒19	9°23	10°27	7° 9	22°15	23°39	27°43	2°37	9°11	0°13	29° 7	4°24	27°44	W 5
T 6	23 25 35	19°28'11	24°48	8°46	11°41	7°50	22°25	23°41	27°47	2°35	9°12	0°R14	29° 4	4°30	27°46	T 6
F 7	23 29 31	20°27'00	8♓ 4	8°18	12°55	8°32	22°35	23°44	27°50	2°34	9°14	0°14	29° 1	4°37	27°48	F 7
S 8	23 33 28	21°25'51	21° 7	7°59	14° 9	9°14	22°45	23°46	27°54	2°32	9°15	0°13	28°58	4°44	27°50	S 8
S 9	23 37 24	22°24'43	3♈55	7°D51	15°23	9°55	22°54	23°49	27°57	2°30	9°17	0°11	28°55	4°51	27°52	S 9
M10	23 41 21	23°23'38	16°30	7°52	16°37	10°37	23° 4	23°51	28° 1	2°29	9°18	0° 7	28°51	4°57	27°54	M10
T 11	23 45 17	24°22'35	28°51	8° 4	17°51	11°19	23°13	23°53	28° 4	2°27	9°20	0° 3	28°48	5° 4	27°55	T 11
W12	23 49 14	25°21'35	11♉ 1	8°26	19° 5	12° 1	23°22	23°55	28° 8	2°25	9°21	29♒59	28°45	5°11	27°57	W12
T 13	23 53 10	26°20'36	23° 1	8°57	20°19	12°43	23°32	23°57	28°11	2°24	9°22	29°55	28°42	5°18	27°59	T 13
F 14	23 57 7	27°19'40	4♊56	9°38	21°33	13°25	23°41	23°59	28°14	2°22	9°24	29°52	28°39	5°24	28° 0	F 14
S 15	0 1 4	28°18'46	16°48	10°27	22°46	14° 8	23°50	24° 1	28°18	2°20	9°25	29°50	28°36	5°31	28° 1	S 15
S 16	0 5 0	29°17'55	28°42	11°24	24° 0	14°50	23°58	24° 2	28°21	2°19	9°26	29°D50	28°32	5°38	28° 3	S 16
M17	0 8 57	0♎17'06	10♋44	12°29	25°14	15°32	24° 7	24° 4	28°25	2°17	9°28	29°50	28°29	5°44	28° 4	M17
T 18	0 12 53	1°16'19	22°57	13°39	26°28	16°15	24°16	24° 5	28°28	2°15	9°29	29°52	28°26	5°51	28° 5	T 18
W19	0 16 50	2°15'35	5♌26	14°56	27°42	16°57	24°24	24° 6	28°31	2°14	9°30	29°53	28°23	5°58	28° 6	W19
T 20	0 20 46	3°14'53	18°17	16°17	28°56	17°40	24°32	24° 8	28°34	2°12	9°31	29°55	28°20	6° 5	28° 7	T 20
F 21	0 24 43	4°14'13	1♍30	17°43	0♏10	18°23	24°41	24° 9	28°38	2°10	9°33	29°R55	28°16	6°11	28° 8	F 21
S 22	0 28 39	5°13'36	15° 8	19°12	1°24	19° 6	24°49	24°10	28°41	2° 9	9°34	29°54	28°13	6°18	28° 9	S 22
S 23	0 32 36	6°13'00	29° 9	20°45	2°38	19°49	24°57	24°11	28°44	2° 7	9°35	29°52	28°10	6°25	28° 9	S 23
M24	0 36 32	7°12'27	13♎30	22°20	3°51	20°32	25° 5	24°11	28°47	2° 5	9°36	29°47	28° 7	6°31	28°10	M24
T 25	0 40 29	8°11'56	28° 6	23°57	5° 5	21°15	25°12	24°12	28°50	2° 4	9°37	29°42	28° 4	6°38	28°10	T 25
W26	0 44 26	9°11'26	12♏49	25°36	6°19	21°58	25°20	24°12	28°54	2° 2	9°38	29°35	28° 1	6°45	28°11	W26
T 27	0 48 22	10°10'59	27°31	27°16	7°33	22°41	25°27	24°13	28°57	2° 0	9°39	29°30	27°57	6°52	28°11	T 27
F 28	0 52 19	11°10'34	12♐ 7	28°57	8°47	23°24	25°34	24°13	29° 0	1°59	9°40	29°25	27°54	6°58	28°11	F 28
S 29	0 56 15	12°10'10	26°31	0♎39	10° 1	24° 8	25°42	24°13	29° 3	1°57	9°41	29°22	27°51	7° 5	28°12	S 29
S 30	1 0 12	13♎ 9'48	10♑39	2♎21	11♏14	24♏51	25♋49	24°R13	29♌ 6	1♈55	9♌42	29°D21	27♒48	7♊12	28♊12	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 6	27s49	5s 4	3n59	2s59	1s23	0n53	13s33	0s33	22n 1	0n13	22n 9	1s14	13n 4	0n43	0s25	1s38	25n58	8n13	11s28	11s45	26n 4	18n28	5s 3
S 2	5 43	28 7	4 35	4 38	2 41	1 55	0 51	13 48	0 33	22 0	0 13	22 9	1 14	13 3	0 43	0 25	1 38	25 58	8 13	11 28	11 46	26 5	18 28	5 3
M 3	5 20	26 37	3 49	5 17	2 23	2 26	0 49	14 2	0 34	21 58	0 13	22 10	1 14	13 2	0 43	0 26	1 38	25 58	8 13	11 27	11 48	26 6	18 28	5 4
T 4	4 57	23 30	2 50	5 54	2 4	2 57	0 47	14 17	0 35	21 57	0 14	22 10	1 14	13 1	0 43	0 27	1 38	25 57	8 13	11 27	11 49	26 8	18 27	5 4
W 5	4 34	19 6	1 42	6 29	1 44	3 28	0 45	14 31	0 35	21 55	0 14	22 10	1 14	12 59	0 43	0 27	1 38	25 57	8 14	11 27	11 50	26 9	18 27	5 5
T 6	4 11	13 47	0 30	7 1	1 24	3 59	0 42	14 45	0 36	21 54	0 14	22 10	1 14	12 58	0 43	0 28	1 38	25 57	8 14	11 26	11 51	26 10	18 26	5 5
F 7	3 48	7 55	0n43	7 30	1 4	4 30	0 40	14 59	0 37	21 52	0 14	22 10	1 14	12 57	0 43	0 29	1 38	25 57	8 14	11 26	11 52	26 11	18 26	5 6
S 8	3 25	1 49	1 52	7 56	0 44	5 1	0 38	15 13	0 37	21 51	0 14	22 10	1 14	12 56	0 43	0 29	1 38	25 57	8 14	11 27	11 53	26 12	18 25	5 6
S 9	3 1	4n14	2 55	8 16	0 25	5 32	0 35	15 27	0 38	21 49	0 14	22 10	1 14	12 54	0 43	0 30	1 38	25 56	8 14	11 28	11 54	26 14	18 25	5 7
M10	2 38	10 0	3 47	8 33	0 7	6 3	0 33	15 41	0 38	21 48	0 14	22 10	1 14	12 53	0 43	0 31	1 38	25 56	8 15	11 29	11 55	26 15	18 24	5 7
T 11	2 15	15 17	4 28	8 44	0n10	6 34	0 30	15 55	0 39	21 47	0 14	22 10	1 14	12 52	0 43	0 31	1 38	25 56	8 15	11 30	11 56	26 16	18 24	5 8
W12	1 51	19 53	4 56	8 51	0 26	7 4	0 28	16 8	0 40	21 45	0 15	22 10	1 14	12 51	0 43	0 32	1 38	25 56	8 15	11 32	11 58	26 17	18 23	5 8
T 13	1 28	23 37	5 11	8 53	0 41	7 35	0 25	16 22	0 40	21 44	0 15	22 10	1 14	12 50	0 43	0 33	1 38	25 56	8 15	11 33	11 59	26 18	18 23	5 9
F 14	1 4	26 19	5 12	8 50	0 54	8 5	0 23	16 35	0 41	21 42	0 15	22 10	1 14	12 49	0 43	0 33	1 38	25 56	8 16	11 34	12 0	26 19	18 22	5 10
S 15	0 40	27 51	4 59	8 42	1 6	8 35	0 20	16 48	0 41	21 41	0 15	22 10	1 14	12 47	0 43	0 34	1 38	25 55	8 16	11 35	12 1	26 20	18 22	5 10
S 16	0 17	28 7	4 34	8 30	1 17	9 5	0 18	17 2	0 42	21 39	0 15	22 10	1 14	12 46	0 43	0 35	1 38	25 55	8 16	11 35	12 2	26 22	18 21	5 11
M17	0s 7	27 3	3 57	8 14	1 26	9 34	0 15	17 15	0 43	21 38	0 15	22 10	1 14	12 45	0 43	0 35	1 38	25 55	8 16	11 35	12 3	26 23	18 21	5 11
T 18	0 30	24 41	3 8	7 54	1 34	10 4	0 12	17 28	0 43	21 37	0 15	22 10	1 14	12 44	0 43	0 36	1 38	25 55	8 17	11 34	12 4	26 24	18 20	5 12
W19	0 54	21 5	2 10	7 31	1 41	10 33	0 10	17 40	0 44	21 35	0 16	22 10	1 14	12 43	0 43	0 37	1 38	25 55	8 17	11 34	12 5	26 25	18 20	5 12
T 20	1 18	16 25	1 3	7 4	1 47	11 2	0 7	17 53	0 44	21 34	0 16	22 10	1 15	12 42	0 43	0 37	1 38	25 55	8 17	11 33	12 6	26 26	18 19	5 13
F 21	1 41	10 51	0s 9	6 34	1 51	11 31	0 4	18 6	0 45	21 33	0 16	22 10	1 15	12 41	0 43	0 38	1 38	25 55	8 17	11 33	12 8	26 27	18 19	5 13
S 22	2 5	4 38	1 22	6 2	1 54	11 59	0 2	18 18	0 45	21 31	0 16	22 10	1 15	12 39	0 43	0 39	1 38	25 55	8 18	11 33	12 9	26 28	18 18	5 14
S 23	2 29	1s59	2 32	5 28	1 56	12 27	0s 1	18 30	0 46	21 30	0 16	22 10	1 15	12 38	0 43	0 39	1 38	25 55	8 18	11 34	12 10	26 29	18 18	5 14
M24	2 52	8 38	3 35	4 51	1 58	12 55	0 4	18 42	0 47	21 29	0 16	22 10	1 15	12 37	0 43	0 40	1 38	25 55	8 18	11 36	12 11	26 30	18 17	5 15
T 25	3 16	14 57	4 24	4 13	1 58	13 23	0 7	18 54	0 47	21 28	0 17	22 10	1 15	12 36	0 43	0 41	1 38	25 55	8 18	11 38	12 12	26 31	18 17	5 15
W26	3 39	20 27	4 56	3 33	1 58	13 50	0 10	19 6	0 48	21 26	0 17	22 10	1 15	12 35	0 43	0 41	1 38	25 54	8 19	11 40	12 13	26 32	18 16	5 16
T 27	4 3	24 42	5 9	2 52	1 57	14 17	0 13	19 18	0 48	21 25	0 17	22 10	1 15	12 34	0 43	0 42	1 38	25 54	8 19	11 42	12 14	26 34	18 16	5 16
F 28	4 26	27 20	5 2	2 11	1 55	14 44	0 15	19 29	0 49	21 24	0 17	22 10	1 15	12 33	0 43	0 43	1 38	25 54	8 19	11 44	12 15	26 35	18 15	5 17
S 29	4 50	28 5	4 35	1 28	1 53	15 10	0 18	19 41	0 49	21 23	0 17	22 10	1 15	12 32	0 43	0 43	1 38	25 54	8 20	11 45	12 16	26 36	18 15	5 17
S 30	5s13	26s59	3s53	0n44	1n50	15s36	0s21	19s52	0s50	21n22	0n17	22n10	1s15	12n31	0n43	0s44	1s38	25n54	8n20	11s45	12s17	26n37	18n14	5s18

Julian Day Number = 2162157.5, Delta T = 13m06s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'31, Lahiri = 12°48'32 Julian Calendar 1 Sept. 1207 == Greg. Calendar 8 Sept. 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

OCTOBER 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 4 8	14♎ 9'28	24♉30	4♎ 4	12♏28	25♏35	25♋55	24°R13	29♌ 9	1°R54	9♌43	29♒21	27♒45	7♊19	28°R12	M 1
T 2	1 8 5	15° 9'10	8♒ 5	5°46	13°42	26°18	26° 2	24♊13	29°11	1♈52	9°44	29°22	27°42	7°25	28♊12	T 2
W 3	1 12 2	16° 8'53	21°25	7°29	14°56	27° 2	26° 9	24°13	29°14	1°50	9°45	29°24	27°38	7°32	28°12	W 3
T 4	1 15 58	17° 8'38	4♓30	9°11	16° 9	27°46	26°15	24°12	29°17	1°49	9°46	29°R24	27°35	7°39	28°11	T 4
F 5	1 19 55	18° 8'25	17°24	10°54	17°23	28°29	26°21	24°12	29°20	1°47	9°47	29°22	27°32	7°45	28°11	F 5
S 6	1 23 51	19° 8'13	0♈ 6	12°36	18°37	29°13	26°27	24°11	29°23	1°46	9°48	29°18	27°29	7°52	28°11	S 6
S 7	1 27 48	20° 8'04	12°38	14°17	19°50	29°57	26°33	24°11	29°25	1°44	9°49	29°12	27°26	7°59	28°10	S 7
M 8	1 31 44	21° 7'56	24°59	15°59	21° 4	0♐41	26°39	24°10	29°28	1°43	9°50	29° 3	27°22	8° 6	28°10	M 8
T 9	1 35 41	22° 7'51	7♉12	17°40	22°18	1°25	26°44	24° 9	29°31	1°41	9°50	28°53	27°19	8°12	28° 9	T 9
W10	1 39 37	23° 7'47	19°16	19°20	23°31	2° 9	26°50	24° 8	29°33	1°39	9°51	28°42	27°16	8°19	28° 8	W10
T 11	1 43 34	24° 7'46	1♊14	21° 0	24°45	2°54	26°55	24° 7	29°36	1°38	9°52	28°32	27°13	8°26	28° 8	T 11
F 12	1 47 30	25° 7'47	13° 6	22°40	25°58	3°38	27° 0	24° 5	29°38	1°36	9°53	28°23	27°10	8°32	28° 7	F 12
S 13	1 51 27	26° 7'49	24°57	24°19	27°12	4°22	27° 5	24° 4	29°41	1°35	9°53	28°16	27° 7	8°39	28° 6	S 13
S 14	1 55 24	27° 7'54	6♋49	25°57	28°26	5° 7	27°10	24° 2	29°43	1°33	9°54	28°11	27° 3	8°46	28° 5	S 14
M15	1 59 20	28° 8'02	18°47	27°35	29°39	5°51	27°15	24° 1	29°46	1°32	9°54	28° 9	27° 0	8°53	28° 4	M15
T 16	2 3 17	29° 8'11	0♌56	29°13	0♑53	6°36	27°19	23°59	29°48	1°31	9°55	28°D 8	26°57	8°59	28° 2	T 16
W17	2 7 13	0♏ 8'22	13°21	0♏51	2° 6	7°20	27°23	23°57	29°50	1°29	9°56	28° 9	26°54	9° 6	28° 1	W17
T 18	2 11 10	1° 8'36	26° 8	2°27	3°20	8° 5	27°27	23°55	29°53	1°28	9°56	28°R 9	26°51	9°13	28° 0	T 18
F 19	2 15 6	2° 8'51	9♍20	4° 4	4°33	8°50	27°31	23°53	29°55	1°26	9°57	28° 9	26°47	9°20	27°58	F 19
S 20	2 19 3	3° 9'09	23° 0	5°40	5°46	9°34	27°35	23°51	29°57	1°25	9°57	28° 6	26°44	9°26	27°57	S 20
S 21	2 22 59	4° 9'28	7♎ 9	7°16	7° 0	10°19	27°39	23°49	29°59	1°24	9°57	28° 1	26°41	9°33	27°55	S 21
M22	2 26 56	5° 9'50	21°44	8°51	8°13	11° 4	27°42	23°47	0♍ 1	1°22	9°58	27°54	26°38	9°40	27°53	M22
T 23	2 30 53	6°10'13	6♏40	10°26	9°27	11°49	27°45	23°44	0° 3	1°21	9°58	27°44	26°35	9°46	27°52	T 23
W24	2 34 49	7°10'38	21°47	12° 1	10°40	12°34	27°48	23°42	0° 5	1°20	9°59	27°33	26°32	9°53	27°50	W24
T 25	2 38 46	8°11'05	6♐55	13°35	11°53	13°19	27°51	23°39	0° 7	1°18	9°59	27°23	26°28	10° 0	27°48	T 25
F 26	2 42 42	9°11'33	21°54	15° 9	13° 7	14° 4	27°53	23°36	0° 9	1°17	9°59	27°14	26°25	10° 7	27°46	F 26
S 27	2 46 39	10°12'03	6♑36	16°43	14°20	14°50	27°56	23°33	0°11	1°16	10° 0	27° 7	26°22	10°13	27°44	S 27
S 28	2 50 35	11°12'34	20°56	18°16	15°33	15°35	27°58	23°31	0°13	1°15	10° 0	27° 4	26°19	10°20	27°42	S 28
M29	2 54 32	12°13'06	4♒51	19°49	16°47	16°20	28° 0	23°28	0°15	1°14	10° 0	27° 2	26°16	10°27	27°40	M29
T 30	2 58 28	13°13'40	18°22	21°22	18° 0	17° 6	28° 2	23°24	0°16	1°12	10° 0	27°D 2	26°13	10°33	27°37	T 30
W31	3 2 25	14♏14'14	1♓33	22♏55	19♑13	17♑51	28♋ 4	23♊21	0♍18	1♈11	10♌ 0	27°R 2	26♒ 9	10♊40	27♊35	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s36	24s13	2s57	0n 0	1n46	16s 2	0s24	20s 3	0s50	21n20	0n17	22n10	1s15	12n30	0n43	0s45	1s38	25n54	8n20	11s45	12s19	26n38	18n13	5s18
T 2	6 0	20 8	1 53	0s44	1 42	16 27	0 27	20 14	0 51	21 19	0 18	22 10	1 15	12 29	0 43	0 45	1 38	25 54	8 20	11 44	12 20	26 39	18 13	5 19
W 3	6 23	15 6	0 43	1 29	1 38	16 51	0 30	20 25	0 51	21 18	0 18	22 10	1 15	12 28	0 43	0 46	1 38	25 54	8 21	11 44	12 21	26 40	18 12	5 20
T 4	6 46	9 28	0n28	2 14	1 34	17 16	0 33	20 35	0 52	21 17	0 18	22 10	1 15	12 27	0 44	0 47	1 38	25 54	8 21	11 44	12 22	26 41	18 12	5 20
F 5	7 9	3 32	1 35	2 58	1 29	17 40	0 35	20 45	0 52	21 16	0 18	22 10	1 15	12 26	0 44	0 47	1 38	25 54	8 21	11 45	12 23	26 42	18 11	5 21
S 6	7 31	2n27	2 37	3 43	1 23	18 3	0 38	20 56	0 53	21 15	0 18	22 10	1 15	12 25	0 44	0 48	1 38	25 54	8 22	11 46	12 24	26 43	18 11	5 21
S 7	7 54	8 14	3 31	4 28	1 18	18 26	0 41	21 6	0 53	21 14	0 18	22 10	1 15	12 24	0 44	0 48	1 38	25 55	8 22	11 48	12 25	26 44	18 10	5 22
M 8	8 17	13 38	4 13	5 12	1 12	18 49	0 44	21 15	0 53	21 13	0 19	22 10	1 15	12 23	0 44	0 49	1 38	25 55	8 22	11 51	12 26	26 44	18 10	5 22
T 9	8 39	18 26	4 43	5 56	1 6	19 11	0 47	21 25	0 54	21 12	0 19	22 10	1 15	12 22	0 44	0 50	1 38	25 55	8 22	11 55	12 27	26 45	18 9	5 23
W10	9 2	22 26	5 0	6 40	1 0	19 32	0 50	21 34	0 54	21 12	0 19	22 9	1 15	12 22	0 44	0 50	1 38	25 55	8 23	11 58	12 28	26 46	18 9	5 23
T 11	9 24	25 27	5 4	7 24	0 54	19 53	0 52	21 43	0 55	21 11	0 19	22 9	1 15	12 21	0 44	0 51	1 38	25 55	8 23	12 2	12 30	26 47	18 8	5 24
F 12	9 46	27 21	4 55	8 7	0 48	20 14	0 55	21 52	0 55	21 10	0 19	22 9	1 15	12 20	0 44	0 51	1 38	25 55	8 23	12 5	12 31	26 48	18 8	5 24
S 13	10 8	27 59	4 33	8 50	0 41	20 34	0 58	22 1	0 56	21 9	0 19	22 9	1 16	12 19	0 44	0 52	1 38	25 55	8 24	12 8	12 32	26 49	18 7	5 25
S 14	10 30	27 20	3 59	9 32	0 35	20 53	1 1	22 10	0 56	21 8	0 20	22 9	1 16	12 18	0 44	0 53	1 38	25 55	8 24	12 9	12 33	26 50	18 7	5 25
M15	10 51	25 25	3 14	10 13	0 28	21 12	1 3	22 18	0 56	21 8	0 20	22 9	1 16	12 17	0 44	0 53	1 38	25 55	8 24	12 10	12 34	26 51	18 6	5 26
T 16	11 13	22 19	2 20	10 54	0 22	21 30	1 6	22 26	0 57	21 7	0 20	22 9	1 16	12 17	0 44	0 54	1 38	25 55	8 25	12 10	12 35	26 52	18 6	5 26
W17	11 34	18 8	1 18	11 35	0 15	21 48	1 9	22 34	0 57	21 6	0 20	22 9	1 16	12 16	0 44	0 54	1 38	25 56	8 25	12 10	12 36	26 53	18 5	5 27
T 18	11 55	13 2	0 11	12 15	0 8	22 5	1 11	22 42	0 58	21 6	0 20	22 9	1 16	12 15	0 44	0 55	1 38	25 56	8 25	12 10	12 37	26 54	18 4	5 27
F 19	12 16	7 12	0s59	12 54	0 2	22 21	1 14	22 50	0 58	21 5	0 21	22 9	1 16	12 14	0 44	0 55	1 38	25 56	8 26	12 10	12 38	26 55	18 4	5 28
S 20	12 37	0 50	2 8	13 33	0s 5	22 37	1 17	22 57	0 58	21 4	0 21	22 8	1 16	12 14	0 44	0 56	1 38	25 56	8 26	12 11	12 39	26 55	18 3	5 28
S 21	12 58	5s47	3 11	14 11	0 12	22 52	1 19	23 4	0 59	21 4	0 21	22 8	1 16	12 13	0 44	0 56	1 38	25 56	8 26	12 13	12 40	26 56	18 3	5 29
M22	13 18	12 17	4 4	14 48	0 18	23 7	1 22	23 11	0 59	21 3	0 21	22 8	1 16	12 12	0 44	0 57	1 38	25 56	8 26	12 15	12 41	26 57	18 2	5 29
T 23	13 38	18 14	4 42	15 25	0 25	23 21	1 24	23 17	1 0	21 3	0 21	22 8	1 16	12 11	0 44	0 57	1 38	25 57	8 27	12 19	12 43	26 58	18 2	5 30
W24	13 58	23 7	5 0	16 0	0 31	23 34	1 26	23 24	1 0	21 3	0 21	22 8	1 16	12 11	0 44	0 58	1 38	25 57	8 27	12 23	12 44	26 59	18 1	5 30
T 25	14 18	26 27	4 58	16 35	0 38	23 47	1 29	23 30	1 0	21 2	0 22	22 8	1 16	12 10	0 44	0 58	1 38	25 57	8 27	12 26	12 45	27 0	18 1	5 31
F 26	14 37	27 52	4 34	17 9	0 44	23 59	1 31	23 36	1 1	21 2	0 22	22 8	1 16	12 9	0 44	0 59	1 38	25 57	8 28	12 29	12 46	27 0	18 0	5 31
S 27	14 57	27 16	3 54	17 43	0 51	24 10	1 33	23 41	1 1	21 2	0 22	22 7	1 16	12 9	0 44	0 59	1 38	25 57	8 28	12 31	12 47	27 1	18 0	5 32
S 28	15 15	24 51	2 59	18 15	0 57	24 21	1 36	23 47	1 1	21 1	0 22	22 7	1 16	12 8	0 44	1 0	1 38	25 58	8 28	12 33	12 48	27 2	17 59	5 32
M29	15 34	20 59	1 55	18 47	1 3	24 30	1 38	23 52	1 2	21 1	0 22	22 7	1 16	12 8	0 44	1 0	1 38	25 58	8 29	12 33	12 49	27 3	17 59	5 33
T 30	15 53	16 7	0 46	19 17	1 9	24 39	1 40	23 57	1 2	21 1	0 23	22 7	1 16	12 7	0 44	1 1	1 38	25 58	8 29	12 33	12 50	27 4	17 58	5 33
W31	16s11	10s36	0n24	19s47	1s15	24s48	1s42	24s 1	1s 2	21n 1	0n23	22n 7	1s16	12n 7	0n45	1s 1	1s38	25n58	8n29	12s33	12s51	27n 4	17n58	5s33

Julian Day Number = 2162187.5, Delta T = 13m06s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'35, Lahiri = 12°48'36 Julian Calendar 1 Oct. 1207 == Greg. Calendar 8 Oct. 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

NOVEMBER 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 6 22	15♏14'50	14♓25	24♏28	20♐26	18♐37	28♋ 5	23°R18	0♍20	1°R10	10♌ 0	27°R 1	26♒ 6	10♊47	27°R32	T 1
F 2	3 10 18	16°15'28	27° 3	26° 0	21°39	19°22	28° 6	23♊15	0°21	1♈ 9	10° 1	26♒58	26° 3	10°54	27♊30	F 2
S 3	3 14 15	17°16'06	9♈28	27°32	22°52	20° 8	28° 8	23°11	0°23	1° 8	10° 1	26°51	26° 0	11° 0	27°27	S 3
S 4	3 18 11	18°16'46	21°45	29° 4	24° 6	20°54	28° 8	23° 8	0°24	1° 7	10° 1	26°42	25°57	11° 7	27°25	S 4
M 5	3 22 8	19°17'27	3♉54	0♐35	25°19	21°39	28° 9	23° 4	0°25	1° 6	10°R 1	26°30	25°53	11°14	27°22	M 5
T 6	3 26 4	20°18'09	15°57	2° 7	26°32	22°25	28°10	23° 0	0°27	1° 5	10° 1	26°16	25°50	11°20	27°19	T 6
W 7	3 30 1	21°18'53	27°55	3°38	27°44	23°11	28°10	22°56	0°28	1° 4	10° 1	26° 1	25°47	11°27	27°17	W 7
T 8	3 33 57	22°19'38	9♊49	5° 9	28°57	23°57	28°R10	22°53	0°29	1° 3	10° 1	25°46	25°44	11°34	27°14	T 8
F 9	3 37 54	23°20'25	21°40	6°40	0♉10	24°43	28°10	22°49	0°30	1° 2	10° 0	25°33	25°41	11°41	27°11	F 9
S 10	3 41 51	24°21'13	3♋31	8°10	1°23	25°29	28°10	22°45	0°32	1° 1	10° 0	25°23	25°38	11°47	27° 8	S 10
S 11	3 45 47	25°22'03	15°24	9°40	2°36	26°15	28° 9	22°41	0°33	1° 1	10° 0	25°15	25°34	11°54	27° 5	S 11
M12	3 49 44	26°22'53	27°21	11°10	3°49	27° 1	28° 8	22°37	0°34	1° 0	10° 0	25°10	25°31	12° 1	27° 2	M12
T 13	3 53 40	27°23'46	9♌28	12°40	5° 1	27°47	28° 7	22°32	0°35	0°59	10° 0	25° 8	25°28	12° 8	26°59	T 13
W14	3 57 37	28°24'39	21°49	14° 9	6°14	28°33	28° 6	22°28	0°35	0°58	9°59	25° 7	25°25	12°14	26°55	W14
T 15	4 1 33	29°25'34	4♍30	15°37	7°27	29°19	28° 5	22°24	0°36	0°58	9°59	25° 7	25°22	12°21	26°52	T 15
F 16	4 5 30	0♐26'31	17°34	17° 5	8°39	0♉ 6	28° 4	22°19	0°37	0°57	9°59	25° 6	25°19	12°28	26°49	F 16
S 17	4 9 26	1°27'28	1♎ 7	18°32	9°52	0°52	28° 2	22°15	0°38	0°56	9°58	25° 4	25°15	12°34	26°45	S 17
S 18	4 13 23	2°28'27	15° 9	19°59	11° 4	1°38	28° 0	22°10	0°39	0°56	9°58	24°58	25°12	12°41	26°42	S 18
M19	4 17 20	3°29'27	29°42	21°24	12°17	2°25	27°58	22° 6	0°39	0°55	9°58	24°50	25° 9	12°48	26°39	M19
T 20	4 21 16	4°30'29	14♏40	22°49	13°29	3°11	27°56	22° 1	0°40	0°55	9°57	24°40	25° 6	12°55	26°35	T 20
W21	4 25 13	5°31'31	29°55	24°12	14°41	3°57	27°53	21°57	0°40	0°54	9°57	24°29	25° 3	13° 1	26°32	W21
T 22	4 29 9	6°32'35	15♐16	25°34	15°54	4°44	27°51	21°52	0°41	0°54	9°56	24°17	24°59	13° 8	26°28	T 22
F 23	4 33 6	7°33'39	0♉32	26°54	17° 6	5°31	27°48	21°47	0°41	0°53	9°56	24° 7	24°56	13°15	26°24	F 23
S 24	4 37 2	8°34'44	15°32	28°12	18°18	6°17	27°45	21°43	0°41	0°53	9°55	24° 0	24°53	13°21	26°21	S 24
S 25	4 40 59	9°35'50	0♒ 8	29°28	19°30	7° 4	27°41	21°38	0°42	0°52	9°55	23°55	24°50	13°28	26°17	S 25
M26	4 44 56	10°36'56	14°16	0♉41	20°42	7°50	27°38	21°33	0°42	0°52	9°54	23°53	24°47	13°35	26°13	M26
T 27	4 48 52	11°38'02	27°56	1°51	21°54	8°37	27°34	21°28	0°42	0°52	9°54	23°D53	24°44	13°42	26°10	T 27
W28	4 52 49	12°39'09	11♓ 9	2°57	23° 6	9°24	27°31	21°23	0°42	0°51	9°53	23°R53	24°40	13°48	26° 6	W28
T 29	4 56 45	13°40'16	24° 0	3°58	24°18	10°11	27°27	21°18	0°R42	0°51	9°52	23°53	24°37	13°55	26° 2	T 29
F 30	5 0 42	14♐41'23	6♈32	4♉55	25♉30	10♉57	27♋22	21♊13	0♍42	0♈51	9♌52	23♒51	24♒34	14♊ 2	25♊58	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s29	4s46	1n31	20s16	1s20	24s56	1s44	24s 5	1s 3	21n 1	0n23	22n 7	1s16	12n 6	0n45	1s 1	1s38	25n59	8n30	12s34	12s52	27n 5	17n58	5s34
F 2	16 46	1n 8	2 31	20 44	1 26	25 3	1 46	24 10	1 3	21 1	0 23	22 7	1 16	12 6	0 45	1 2	1 37	25 59	8 30	12 35	12 53	27 6	17 57	5 34
S 3	17 4	6 53	3 24	21 11	1 31	25 9	1 48	24 13	1 3	21 1	0 23	22 6	1 16	12 5	0 45	1 2	1 37	25 59	8 30	12 37	12 54	27 7	17 57	5 35
S 4	17 21	12 19	4 6	21 36	1 36	25 14	1 50	24 17	1 3	21 1	0 24	22 6	1 16	12 5	0 45	1 3	1 37	25 59	8 31	12 40	12 56	27 7	17 56	5 35
M 5	17 38	17 12	4 37	22 1	1 41	25 19	1 51	24 20	1 4	21 1	0 24	22 6	1 16	12 4	0 45	1 3	1 37	26 0	8 31	12 44	12 57	27 8	17 56	5 36
T 6	17 54	21 22	4 54	22 24	1 46	25 23	1 53	24 23	1 4	21 1	0 24	22 6	1 16	12 4	0 45	1 3	1 37	26 0	8 31	12 49	12 58	27 9	17 55	5 36
W 7	18 10	24 38	4 59	22 47	1 51	25 26	1 55	24 26	1 4	21 1	0 24	22 6	1 16	12 3	0 45	1 4	1 37	26 0	8 32	12 54	12 59	27 10	17 55	5 36
T 8	18 26	26 48	4 50	23 8	1 55	25 29	1 56	24 29	1 4	21 1	0 24	22 5	1 16	12 3	0 45	1 4	1 37	26 1	8 32	12 59	13 0	27 10	17 54	5 37
F 9	18 41	27 45	4 29	23 28	1 59	25 30	1 58	24 31	1 5	21 1	0 25	22 5	1 16	12 2	0 45	1 4	1 37	26 1	8 32	13 3	13 1	27 11	17 54	5 37
S 10	18 57	27 26	3 56	23 47	2 3	25 31	1 59	24 33	1 5	21 1	0 25	22 5	1 16	12 2	0 45	1 5	1 37	26 1	8 32	13 7	13 2	27 12	17 53	5 37
S 11	19 11	25 51	3 13	24 5	2 6	25 32	2 1	24 35	1 5	21 2	0 25	22 5	1 16	12 2	0 45	1 5	1 37	26 2	8 33	13 10	13 3	27 12	17 53	5 38
M12	19 26	23 5	2 21	24 21	2 10	25 31	2 2	24 36	1 5	21 2	0 25	22 5	1 16	12 1	0 45	1 5	1 37	26 2	8 33	13 11	13 4	27 13	17 53	5 38
T 13	19 40	19 16	1 22	24 36	2 12	25 30	2 3	24 37	1 6	21 2	0 25	22 4	1 16	12 1	0 45	1 5	1 37	26 2	8 33	13 12	13 5	27 14	17 52	5 39
W14	19 54	14 34	0 17	24 50	2 15	25 28	2 4	24 38	1 6	21 3	0 25	22 4	1 16	12 1	0 45	1 6	1 37	26 3	8 34	13 12	13 6	27 14	17 52	5 39
T 15	20 7	9 8	0s49	25 2	2 17	25 25	2 5	24 39	1 6	21 3	0 26	22 4	1 16	12 1	0 45	1 6	1 37	26 3	8 34	13 12	13 7	27 15	17 51	5 39
F 16	20 20	3 10	1 56	25 13	2 19	25 21	2 6	24 39	1 6	21 4	0 26	22 4	1 16	12 0	0 45	1 6	1 37	26 4	8 34	13 13	13 8	27 16	17 51	5 40
S 17	20 33	3s10	2 58	25 22	2 20	25 17	2 7	24 39	1 6	21 4	0 26	22 4	1 15	12 0	0 45	1 6	1 37	26 4	8 35	13 14	13 10	27 16	17 50	5 40
S 18	20 45	9 33	3 52	25 30	2 21	25 12	2 8	24 39	1 7	21 5	0 26	22 3	1 15	12 0	0 45	1 7	1 37	26 4	8 35	13 15	13 11	27 17	17 50	5 40
M19	20 57	15 39	4 32	25 37	2 21	25 6	2 8	24 38	1 7	21 5	0 26	22 3	1 15	12 0	0 45	1 7	1 37	26 5	8 35	13 18	13 12	27 18	17 50	5 41
T 20	21 8	21 1	4 56	25 42	2 21	25 0	2 9	24 37	1 7	21 6	0 27	22 3	1 15	12 0	0 45	1 7	1 37	26 5	8 36	13 21	13 13	27 18	17 49	5 41
W21	21 19	25 5	4 59	25 45	2 20	24 52	2 9	24 36	1 7	21 7	0 27	22 3	1 15	11 59	0 45	1 7	1 37	26 6	8 36	13 25	13 14	27 19	17 49	5 41
T 22	21 30	27 23	4 41	25 47	2 19	24 44	2 10	24 35	1 7	21 8	0 27	22 3	1 15	11 59	0 45	1 7	1 37	26 6	8 36	13 29	13 15	27 20	17 49	5 41
F 23	21 40	27 35	4 3	25 47	2 17	24 36	2 10	24 33	1 7	21 8	0 27	22 2	1 15	11 59	0 46	1 7	1 37	26 6	8 36	13 32	13 16	27 20	17 48	5 42
S 24	21 50	25 45	3 8	25 46	2 14	24 26	2 10	24 31	1 7	21 9	0 27	22 2	1 15	11 59	0 46	1 7	1 37	26 7	8 37	13 35	13 17	27 21	17 48	5 42
S 25	21 59	22 12	2 2	25 43	2 10	24 16	2 10	24 29	1 8	21 10	0 28	22 2	1 15	11 59	0 46	1 8	1 37	26 7	8 37	13 36	13 18	27 21	17 47	5 42
M26	22 8	17 26	0 51	25 38	2 6	24 5	2 10	24 26	1 8	21 11	0 28	22 2	1 15	11 59	0 46	1 8	1 36	26 8	8 37	13 37	13 19	27 22	17 47	5 42
T 27	22 17	11 55	0n21	25 32	2 1	23 54	2 10	24 23	1 8	21 12	0 28	22 1	1 15	11 59	0 46	1 8	1 36	26 8	8 38	13 37	13 20	27 22	17 47	5 43
W28	22 25	6 1	1 30	25 25	1 54	23 42	2 10	24 20	1 8	21 13	0 28	22 1	1 15	11 59	0 46	1 8	1 36	26 9	8 38	13 37	13 21	27 23	17 46	5 43
T 29	22 32	0 4	2 33	25 16	1 47	23 29	2 10	24 17	1 8	21 14	0 28	22 1	1 15	11 59	0 46	1 8	1 36	26 9	8 38	13 37	13 22	27 24	17 46	5 43
F 30	22s40	5n45	3n26	25s 6	1s39	23s15	2s10	24s13	1s 8	21n15	0n29	22n 1	1s15	11n59	0n46	1s 8	1s36	26n10	8n38	13s38	13s23	27n24	17n46	5s43

Julian Day Number = 2162218.5, Delta T = 13m05s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'40, Lahiri = 12°48'40 Julian Calendar 1 Nov. 1207 == Greg. Calendar 8 Nov. 1207

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ASTRODIENST EPHEMERIS for the year 1207
geocentric

DECEMBER 1207 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 4 38	15♐42'30	18♈50	5♑46	26♑41	11♑44	27°R18	21°R 9	0°R42	0°R51	9°R51	23°R46	24♒31	14♊ 8	25°R54	S 1
S 2	5 8 35	16°43'38	0♉57	6°31	27°53	12°31	27♋14	21♊ 4	0♍42	0♈51	9♎50	23♒38	24°28	14°15	25♊51	S 2
M 3	5 12 31	17°44'46	12°57	7° 9	29° 4	13°18	27° 9	20°59	0°42	0°51	9°49	23°28	24°25	14°22	25°47	M 3
T 4	5 16 28	18°45'55	24°53	7°38	0♒16	14° 5	27° 4	20°54	0°42	0°50	9°49	23°16	24°21	14°29	25°43	T 4
W 5	5 20 25	19°47'04	6♊46	7°58	1°27	14°52	26°59	20°49	0°41	0°50	9°48	23° 3	24°18	14°35	25°39	W 5
T 6	5 24 21	20°48'13	18°38	8°R 8	2°38	15°39	26°54	20°44	0°41	0°D50	9°47	22°50	24°15	14°42	25°35	T 6
F 7	5 28 18	21°49'23	0♋31	8° 8	3°49	16°26	26°49	20°39	0°41	0°50	9°46	22°39	24°12	14°49	25°31	F 7
S 8	5 32 14	22°50'32	12°25	7°56	5° 0	17°13	26°43	20°34	0°40	0°51	9°45	22°30	24° 9	14°55	25°27	S 8
S 9	5 36 11	23°51'43	24°23	7°32	6°11	18° 0	26°37	20°29	0°40	0°51	9°44	22°23	24° 5	15° 2	25°23	S 9
M10	5 40 7	24°52'53	6♌26	6°57	7°22	18°47	26°32	20°24	0°39	0°51	9°43	22°19	24° 2	15° 9	25°19	M10
T 11	5 44 4	25°54'04	18°38	6°10	8°33	19°34	26°26	20°19	0°39	0°51	9°42	22°D17	23°59	15°16	25°15	T 11
W12	5 48 0	26°55'15	1♍ 2	5°12	9°43	20°21	26°20	20°14	0°38	0°51	9°42	22°18	23°56	15°22	25°11	W12
T 13	5 51 57	27°56'26	13°42	4° 5	10°54	21° 9	26°13	20° 9	0°37	0°51	9°41	22°19	23°53	15°29	25° 7	T 13
F 14	5 55 54	28°57'38	26°42	2°52	12° 4	21°56	26° 7	20° 4	0°36	0°52	9°39	22°R19	23°50	15°36	25° 4	F 14
S 15	5 59 50	29°58'50	10♎ 5	1°33	13°14	22°43	26° 0	19°59	0°36	0°52	9°38	22°19	23°46	15°42	25° 0	S 15
S 16	6 3 47	1♏ 0'02	23°56	0°12	14°25	23°30	25°54	19°55	0°35	0°52	9°37	22°17	23°43	15°49	24°56	S 16
M17	6 7 43	2° 1'15	8♏14	28♐51	15°35	24°17	25°47	19°50	0°34	0°53	9°36	22°12	23°40	15°56	24°52	M17
T 18	6 11 40	3° 2'28	22°57	27°33	16°44	25° 5	25°40	19°45	0°33	0°53	9°35	22° 6	23°37	16° 3	24°48	T 18
W19	6 15 36	4° 3'41	8♐ 0	26°21	17°54	25°52	25°33	19°40	0°32	0°54	9°34	21°58	23°34	16° 9	24°44	W19
T 20	6 19 33	5° 4'54	23°14	25°15	19° 4	26°39	25°26	19°36	0°31	0°54	9°33	21°50	23°31	16°16	24°40	T 20
F 21	6 23 30	6° 6'07	8♑28	24°18	20°13	27°27	25°19	19°31	0°30	0°55	9°32	21°44	23°27	16°23	24°36	F 21
S 22	6 27 26	7° 7'19	23°33	23°30	21°23	28°14	25°12	19°26	0°28	0°55	9°31	21°39	23°24	16°29	24°32	S 22
S 23	6 31 23	8° 8'31	8♒18	22°52	22°32	29° 1	25° 4	19°22	0°27	0°56	9°30	21°36	23°21	16°36	24°29	S 23
M24	6 35 19	9° 9'43	22°37	22°24	23°41	29°49	24°57	19°17	0°26	0°56	9°28	21°D35	23°18	16°43	24°25	M24
T 25	6 39 16	10°10'54	6♓29	22° 6	24°50	0♒36	24°49	19°13	0°25	0°57	9°27	21°36	23°15	16°50	24°21	T 25
W26	6 43 12	11°12'04	19°52	21°57	25°58	1°23	24°42	19° 8	0°23	0°58	9°26	21°37	23°11	16°56	24°17	W26
T 27	6 47 9	12°13'14	2♈49	21°D57	27° 7	2°11	24°34	19° 4	0°22	0°58	9°25	21°39	23° 8	17° 3	24°14	T 27
F 28	6 51 5	13°14'22	15°25	22° 5	28°15	2°58	24°26	19° 0	0°20	0°59	9°23	21°R39	23° 5	17°10	24°10	F 28
S 29	6 55 2	14°15'30	27°43	22°20	29°23	3°46	24°19	18°55	0°19	1° 0	9°22	21°38	23° 2	17°16	24° 6	S 29
S 30	6 58 59	15°16'37	9♉49	22°43	0♓31	4°33	24°11	18°51	0°17	1° 1	9°21	21°35	22°59	17°23	24° 3	S 30
M31	7 2 55	16♑17'43	21♉46	23♐12	1♓39	5♒20	24♋ 3	18♊47	0♍15	1♈ 2	9♎20	21♒31	22♒56	17♊30	23♊59	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s46	11n14	4n 8	24s54	1s29	23s 1	2s 9	24s 9	1s 8	21n16	0n29	22n 0	1s15	11n59	0n46	1s 8	1s36	26n10	8n39	13s39	13s24	27n25	17n45	5s44
S 2	22 53	16 12	4 39	24 42	1 19	22 46	2 8	24 5	1 8	21 17	0 29	22 0	1 14	11 59	0 46	1 8	1 36	26 11	8 39	13 42	13 26	27 25	17 45	5 44
M 3	22 59	20 30	4 57	24 28	1 7	22 31	2 8	24 1	1 8	21 18	0 29	22 0	1 14	11 59	0 46	1 8	1 36	26 11	8 39	13 45	13 27	27 26	17 45	5 44
T 4	23 4	23 57	5 2	24 13	0 54	22 15	2 7	23 56	1 8	21 19	0 29	22 0	1 14	12 0	0 46	1 8	1 36	26 11	8 40	13 49	13 28	27 26	17 45	5 44
W 5	23 9	26 21	4 54	23 57	0 39	21 58	2 6	23 51	1 8	21 20	0 30	21 59	1 14	12 0	0 46	1 8	1 36	26 12	8 40	13 54	13 29	27 27	17 44	5 44
T 6	23 13	27 35	4 33	23 41	0 24	21 41	2 5	23 45	1 9	21 21	0 30	21 59	1 14	12 0	0 46	1 8	1 36	26 12	8 40	13 58	13 30	27 27	17 44	5 44
F 7	23 17	27 32	4 0	23 24	0 7	21 23	2 4	23 40	1 9	21 23	0 30	21 59	1 14	12 0	0 46	1 8	1 36	26 13	8 40	14 2	13 31	27 28	17 44	5 45
S 8	23 21	26 13	3 16	23 7	0n11	21 5	2 3	23 34	1 9	21 24	0 30	21 59	1 14	12 0	0 46	1 8	1 36	26 13	8 41	14 5	13 32	27 28	17 43	5 45
S 9	23 24	23 41	2 23	22 50	0 30	20 46	2 1	23 28	1 9	21 25	0 30	21 58	1 14	12 0	0 46	1 8	1 36	26 14	8 41	14 7	13 33	27 29	17 43	5 45
M10	23 27	20 6	1 24	22 32	0 50	20 27	2 0	23 21	1 9	21 26	0 31	21 58	1 14	12 1	0 46	1 8	1 36	26 14	8 41	14 8	13 34	27 29	17 43	5 45
T 11	23 29	15 37	0 20	22 15	1 9	20 7	1 58	23 15	1 9	21 28	0 31	21 58	1 14	12 1	0 46	1 7	1 36	26 15	8 41	14 9	13 35	27 29	17 43	5 45
W12	23 30	10 26	0s47	21 58	1 29	19 46	1 57	23 8	1 9	21 29	0 31	21 58	1 13	12 1	0 46	1 7	1 36	26 15	8 42	14 8	13 36	27 30	17 42	5 45
T 13	23 32	4 43	1 52	21 41	1 48	19 25	1 55	23 0	1 9	21 30	0 31	21 57	1 13	12 1	0 46	1 7	1 36	26 16	8 42	14 8	13 37	27 30	17 42	5 45
F 14	23 32	1s20	2 54	21 24	2 6	19 3	1 53	22 53	1 9	21 32	0 31	21 57	1 13	12 2	0 46	1 7	1 36	26 17	8 42	14 8	13 38	27 31	17 42	5 45
S 15	23 33	7 30	3 48	21 9	2 23	18 41	1 51	22 45	1 9	21 33	0 31	21 57	1 13	12 2	0 47	1 7	1 36	26 17	8 42	14 8	13 39	27 31	17 42	5 45
S 16	23 32	13 31	4 31	20 55	2 38	18 19	1 49	22 37	1 9	21 35	0 32	21 57	1 13	12 2	0 47	1 7	1 36	26 18	8 43	14 9	13 40	27 32	17 42	5 45
M17	23 32	19 0	4 58	20 42	2 51	17 56	1 47	22 29	1 9	21 36	0 32	21 57	1 13	12 3	0 47	1 6	1 35	26 18	8 43	14 10	13 41	27 32	17 41	5 45
T 18	23 31	23 32	5 7	20 30	3 1	17 33	1 44	22 20	1 9	21 38	0 32	21 56	1 13	12 3	0 47	1 6	1 35	26 19	8 43	14 12	13 42	27 32	17 41	5 45
W19	23 29	26 36	4 55	20 21	3 9	17 9	1 42	22 11	1 8	21 39	0 32	21 56	1 13	12 4	0 47	1 6	1 35	26 19	8 43	14 15	13 43	27 33	17 41	5 45
T 20	23 27	27 45	4 23	20 13	3 14	16 45	1 39	22 2	1 8	21 41	0 32	21 56	1 12	12 4	0 47	1 6	1 35	26 20	8 44	14 17	13 45	27 33	17 41	5 45
F 21	23 24	26 47	3 31	20 8	3 17	16 20	1 37	21 53	1 8	21 42	0 33	21 56	1 12	12 5	0 47	1 6	1 35	26 20	8 44	14 20	13 46	27 34	17 41	5 45
S 22	23 21	23 52	2 26	20 5	3 18	15 55	1 34	21 43	1 8	21 44	0 33	21 55	1 12	12 5	0 47	1 5	1 35	26 21	8 44	14 21	13 47	27 34	17 41	5 45
S 23	23 18	19 25	1 11	20 4	3 17	15 30	1 31	21 33	1 8	21 45	0 33	21 55	1 12	12 5	0 47	1 5	1 35	26 21	8 44	14 22	13 48	27 34	17 41	5 45
M24	23 14	13 57	0n 6	20 6	3 14	15 4	1 28	21 23	1 8	21 47	0 33	21 55	1 12	12 6	0 47	1 5	1 35	26 22	8 44	14 22	13 49	27 35	17 40	5 45
T 25	23 9	7 56	1 20	20 9	3 10	14 38	1 25	21 13	1 8	21 48	0 33	21 55	1 12	12 6	0 47	1 4	1 35	26 22	8 45	14 22	13 50	27 35	17 40	5 45
W26	23 4	1 46	2 27	20 14	3 4	14 12	1 22	21 3	1 8	21 50	0 33	21 55	1 12	12 7	0 47	1 4	1 35	26 23	8 45	14 22	13 51	27 35	17 40	5 45
T 27	22 59	4n16	3 25	20 21	2 58	13 45	1 18	20 52	1 8	21 51	0 34	21 54	1 11	12 8	0 47	1 4	1 35	26 23	8 45	14 21	13 52	27 36	17 40	5 45
F 28	22 53	9 57	4 11	20 29	2 50	13 18	1 15	20 41	1 8	21 53	0 34	21 54	1 11	12 8	0 47	1 3	1 35	26 24	8 45	14 21	13 53	27 36	17 40	5 45
S 29	22 47	15 8	4 44	20 38	2 42	12 51	1 11	20 29	1 8	21 54	0 34	21 54	1 11	12 9	0 47	1 3	1 35	26 24	8 45	14 21	13 54	27 36	17 40	5 45
S 30	22 40	19 37	5 4	20 48	2 33	12 23	1 7	20 18	1 7	21 56	0 34	21 54	1 11	12 9	0 47	1 3	1 35	26 25	8 46	14 22	13 55	27 37	17 40	5 45
M31	22s33	23n17	5n11	20s58	2n24	11s55	1s 4	20s 6	1s 7	21n57	0n34	21n54	1s11	12n10	0n47	1s 2	1s35	26n26	8n46	14s24	13s56	27n37	17n40	5s45

Julian Day Number = 2162248.5, Delta T = 13m05s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'44, Lahiri = 12°48'44 Julian Calendar 1 Dec. 1207 == Greg. Calendar 8 Dec. 1207

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

JANUARY 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 6 52	17♉18'49	3♊38	23♐47	2♓46	6♒ 8	23°R55	18°R43	0°R14	1♈ 3	9°R18	21°R25	22♒52	17♊37	23°R56	T 1
W 2	7 10 48	18°19'54	15°29	24°26	3°54	6°55	23♋47	18♊39	0♍12	1° 4	9♌17	21♒19	22°49	17°43	23♊52	W 2
T 3	7 14 45	19°20'57	27°21	25°11	5° 1	7°43	23°39	18°35	0°10	1° 4	9°16	21°12	22°46	17°50	23°49	T 3
F 4	7 18 41	20°22'00	9♋17	26° 0	6° 7	8°30	23°31	18°31	0° 9	1° 5	9°14	21° 7	22°43	17°57	23°45	F 4
S 5	7 22 38	21°23'02	21°18	26°53	7°14	9°17	23°23	18°28	0° 7	1° 6	9°13	21° 2	22°40	18° 3	23°42	S 5
S 6	7 26 34	22°24'04	3♌25	27°49	8°20	10° 5	23°15	18°24	0° 5	1° 8	9°11	20°59	22°37	18°10	23°39	S 6
M 7	7 30 31	23°25'04	15°41	28°48	9°27	10°52	23° 7	18°20	0° 3	1° 9	9°10	20°D58	22°33	18°17	23°35	M 7
T 8	7 34 28	24°26'04	28° 7	29°50	10°32	11°40	22°59	18°17	0° 1	1°10	9° 9	20°58	22°30	18°24	23°32	T 8
W 9	7 38 24	25°27'03	10♍43	0♉55	11°38	12°27	22°51	18°13	29♌59	1°11	9° 7	20°59	22°27	18°30	23°29	W 9
T 10	7 42 21	26°28'00	23°34	2° 2	12°43	13°15	22°43	18°10	29°57	1°12	9° 6	21° 1	22°24	18°37	23°26	T 10
F 11	7 46 17	27°28'58	6♎40	3°11	13°48	14° 2	22°35	18° 7	29°55	1°13	9° 5	21° 2	22°21	18°44	23°23	F 11
S 12	7 50 14	28°29'54	20° 4	4°22	14°53	14°49	22°27	18° 3	29°53	1°14	9° 3	21° 3	22°17	18°50	23°20	S 12
S 13	7 54 10	29°30'50	3♏48	5°35	15°57	15°37	22°19	18° 0	29°51	1°16	9° 2	21°R 4	22°14	18°57	23°17	S 13
M14	7 58 7	0♒31'45	17°52	6°50	17° 2	16°24	22°11	17°57	29°49	1°17	9° 0	21° 3	22°11	19° 4	23°14	M14
T 15	8 2 3	1°32'39	2♐16	8° 6	18° 5	17°12	22° 3	17°54	29°47	1°18	8°59	21° 1	22° 8	19°10	23°11	T 15
W16	8 6 0	2°33'33	16°55	9°23	19° 9	17°59	21°56	17°52	29°44	1°20	8°57	20°59	22° 5	19°17	23° 8	W16
T 17	8 9 57	3°34'25	1♑46	10°42	20°12	18°46	21°48	17°49	29°42	1°21	8°56	20°56	22° 2	19°24	23° 6	T 17
F 18	8 13 53	4°35'17	16°40	12° 3	21°15	19°34	21°40	17°46	29°40	1°22	8°54	20°54	21°58	19°31	23° 3	F 18
S 19	8 17 50	5°36'07	1♒29	13°24	22°17	20°21	21°32	17°44	29°38	1°24	8°53	20°53	21°55	19°37	23° 1	S 19
S 20	8 21 46	6°36'56	16° 6	14°47	23°20	21° 9	21°25	17°41	29°35	1°25	8°52	20°D52	21°52	19°44	22°58	S 20
M21	8 25 43	7°37'44	0♓24	16°11	24°21	21°56	21°17	17°39	29°33	1°27	8°50	20°52	21°49	19°51	22°56	M21
T 22	8 29 39	8°38'30	14°19	17°35	25°23	22°43	21°10	17°37	29°30	1°28	8°49	20°53	21°46	19°57	22°53	T 22
W23	8 33 36	9°39'14	27°49	19° 1	26°24	23°31	21° 3	17°35	29°28	1°30	8°47	20°54	21°43	20° 4	22°51	W23
T 24	8 37 32	10°39'57	10♈54	20°28	27°24	24°18	20°56	17°33	29°26	1°31	8°46	20°55	21°39	20°11	22°49	T 24
F 25	8 41 29	11°40'38	23°36	21°56	28°24	25° 5	20°48	17°31	29°23	1°33	8°44	20°56	21°36	20°18	22°47	F 25
S 26	8 45 26	12°41'17	6♉ 0	23°25	29°24	25°53	20°41	17°29	29°21	1°35	8°43	20°56	21°33	20°24	22°45	S 26
S 27	8 49 22	13°41'55	18° 8	24°55	0♈23	26°40	20°35	17°27	29°18	1°36	8°41	20°R56	21°30	20°31	22°43	S 27
M28	8 53 19	14°42'31	0♊ 6	26°25	1°22	27°27	20°28	17°26	29°16	1°38	8°40	20°56	21°27	20°38	22°41	M28
T 29	8 57 15	15°43'05	11°58	27°57	2°20	28°14	20°21	17°24	29°13	1°40	8°39	20°55	21°23	20°44	22°39	T 29
W30	9 1 12	16°43'37	23°49	29°29	3°17	29° 2	20°15	17°23	29°11	1°41	8°37	20°55	21°20	20°51	22°37	W30
T 31	9 5 8	17♒44'08	5♋42	1♒ 3	4♈14	29♒49	20♋ 8	17♊22	29♌ 8	1♈43	8♌36	20♒54	21♒17	20♊58	22♊36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s25	25n56	5n 4	21s 9	2n15	11s27	1s 0	19s54	1s 7	21n59	0n34	21n53	1s11	12n10	0n47	1s 2	1s35	26n26	8n46	14s26	13s57	27n37	17n40	5s45
W 2	22 17	27 27	4 44	21 21	2 5	10 59	0 56	19 42	1 7	22 0	0 34	21 53	1 10	12 11	0 47	1 1	1 35	26 27	8 46	14 28	13 58	27 37	17 40	5 45
T 3	22 8	27 43	4 12	21 32	1 55	10 31	0 51	19 30	1 7	22 2	0 35	21 53	1 10	12 12	0 47	1 1	1 35	26 27	8 46	14 30	13 59	27 38	17 40	5 45
F 4	22 0	26 41	3 28	21 44	1 45	10 2	0 47	19 17	1 7	22 3	0 35	21 53	1 10	12 12	0 47	1 1	1 35	26 28	8 46	14 31	14 0	27 38	17 40	5 44
S 5	21 50	24 24	2 35	21 55	1 35	9 33	0 43	19 5	1 7	22 5	0 35	21 53	1 10	12 13	0 47	1 0	1 35	26 28	8 47	14 33	14 1	27 38	17 40	5 44
S 6	21 40	21 1	1 35	22 6	1 26	9 4	0 38	18 52	1 6	22 6	0 35	21 53	1 10	12 14	0 47	1 0	1 34	26 29	8 47	14 34	14 2	27 38	17 40	5 44
M 7	21 30	16 40	0 29	22 17	1 16	8 35	0 34	18 39	1 6	22 8	0 35	21 53	1 10	12 14	0 47	0 59	1 34	26 29	8 47	14 34	14 3	27 39	17 40	5 44
T 8	21 20	11 34	0s39	22 27	1 6	8 6	0 29	18 25	1 6	22 9	0 35	21 52	1 9	12 15	0 47	0 59	1 34	26 30	8 47	14 34	14 4	27 39	17 40	5 44
W 9	21 9	5 56	1 46	22 36	0 56	7 36	0 24	18 12	1 6	22 11	0 35	21 52	1 9	12 16	0 47	0 58	1 34	26 30	8 47	14 34	14 5	27 39	17 40	5 44
T 10	20 57	0s 2	2 50	22 45	0 47	7 7	0 19	17 58	1 6	22 12	0 36	21 52	1 9	12 17	0 47	0 58	1 34	26 31	8 47	14 33	14 6	27 39	17 40	5 44
F 11	20 45	6 6	3 46	22 53	0 37	6 37	0 14	17 44	1 5	22 14	0 36	21 52	1 9	12 17	0 47	0 57	1 34	26 31	8 47	14 33	14 7	27 39	17 40	5 43
S 12	20 33	12 3	4 30	23 0	0 28	6 7	0 9	17 30	1 5	22 15	0 36	21 52	1 9	12 18	0 47	0 57	1 34	26 32	8 48	14 32	14 9	27 40	17 40	5 43
S 13	20 21	17 33	5 1	23 6	0 19	5 37	0 4	17 16	1 5	22 17	0 36	21 52	1 8	12 19	0 48	0 56	1 34	26 32	8 48	14 32	14 10	27 40	17 40	5 43
M14	20 8	22 16	5 15	23 12	0 10	5 7	0n 2	17 1	1 5	22 18	0 36	21 52	1 8	12 20	0 48	0 56	1 34	26 33	8 48	14 33	14 11	27 40	17 40	5 43
T 15	19 54	25 45	5 9	23 16	0 2	4 37	0 7	16 46	1 5	22 19	0 36	21 52	1 8	12 21	0 48	0 55	1 34	26 33	8 48	14 33	14 12	27 40	17 40	5 43
W16	19 40	27 36	4 44	23 19	0s 7	4 7	0 13	16 32	1 4	22 21	0 36	21 52	1 8	12 21	0 48	0 54	1 34	26 34	8 48	14 34	14 13	27 40	17 40	5 42
T 17	19 26	27 31	3 59	23 21	0 15	3 37	0 18	16 17	1 4	22 22	0 36	21 52	1 8	12 22	0 48	0 54	1 34	26 34	8 48	14 35	14 14	27 41	17 40	5 42
F 18	19 12	25 27	2 58	23 22	0 23	3 7	0 24	16 1	1 4	22 23	0 36	21 52	1 7	12 23	0 48	0 53	1 34	26 35	8 48	14 35	14 15	27 41	17 40	5 42
S 19	18 57	21 38	1 45	23 22	0 31	2 37	0 30	15 46	1 4	22 25	0 36	21 52	1 7	12 24	0 48	0 53	1 34	26 35	8 48	14 36	14 16	27 41	17 40	5 42
S 20	18 42	16 30	0 26	23 21	0 38	2 7	0 36	15 31	1 3	22 26	0 37	21 52	1 7	12 25	0 48	0 52	1 34	26 36	8 48	14 36	14 17	27 41	17 41	5 41
M21	18 27	10 34	0n53	23 19	0 45	1 37	0 42	15 15	1 3	22 27	0 37	21 52	1 7	12 25	0 48	0 51	1 34	26 36	8 48	14 36	14 18	27 41	17 41	5 41
T 22	18 11	4 15	2 6	23 15	0 52	1 7	0 48	14 59	1 3	22 29	0 37	21 52	1 7	12 26	0 48	0 51	1 34	26 37	8 49	14 36	14 19	27 41	17 41	5 41
W23	17 55	2n 3	3 11	23 10	0 59	0 37	0 54	14 43	1 2	22 30	0 37	21 52	1 6	12 27	0 48	0 50	1 34	26 37	8 49	14 36	14 20	27 41	17 41	5 41
T 24	17 38	8 3	4 3	23 3	1 6	0 7	1 1	14 27	1 2	22 31	0 37	21 52	1 6	12 28	0 48	0 49	1 34	26 38	8 49	14 35	14 21	27 41	17 41	5 40
F 25	17 22	13 34	4 42	22 56	1 12	0n23	1 7	14 11	1 2	22 32	0 37	21 52	1 6	12 29	0 48	0 49	1 34	26 38	8 49	14 35	14 22	27 41	17 41	5 40
S 26	17 4	18 23	5 6	22 47	1 18	0 53	1 14	13 55	1 2	22 33	0 37	21 52	1 6	12 30	0 48	0 48	1 34	26 39	8 49	14 35	14 23	27 42	17 41	5 40
S 27	16 47	22 22	5 17	22 36	1 23	1 23	1 20	13 38	1 1	22 34	0 37	21 52	1 6	12 31	0 48	0 47	1 34	26 39	8 49	14 35	14 24	27 42	17 42	5 39
M28	16 30	25 21	5 13	22 25	1 29	1 52	1 27	13 22	1 1	22 36	0 37	21 52	1 5	12 32	0 48	0 47	1 34	26 40	8 49	14 35	14 25	27 42	17 42	5 39
T 29	16 12	27 13	4 56	22 11	1 34	2 22	1 34	13 5	1 1	22 37	0 37	21 52	1 5	12 33	0 48	0 46	1 34	26 40	8 49	14 35	14 26	27 42	17 42	5 39
W30	15 53	27 50	4 26	21 57	1 38	2 51	1 40	12 48	1 0	22 38	0 37	21 52	1 5	12 33	0 48	0 45	1 34	26 41	8 49	14 35	14 27	27 42	17 42	5 38
T 31	15s35	27n10	3n45	21s41	1s43	3n20	1n47	12s31	1s 0	22n39	0n37	21n52	1s 5	12n34	0n48	0s45	1s34	26n41	8n49	14s35	14s28	27n42	17n42	5s38

Julian Day Number = 2162279.5, Delta T = 13m05s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'48, Lahiri = 12°48'48 Julian Calendar 1 Jan. 1208 == Greg. Calendar 8 Jan. 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

FEBRUARY 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 9 5	18♒44'37	17♋42	2♒37	5♈11	0♓36	20°R 2	17°R21	29°R 6	1♈45	8°R34	20°R54	21♒14	21♊ 5	22°R34	F 1
S 2	9 13 2	19°45'04	29°50	4°13	6° 7	1°23	19♋56	17♊20	29♌ 3	1°47	8♌33	20♒54	21°11	21°11	22♊33	S 2
S 3	9 16 58	20°45'29	12♌ 9	5°49	7° 2	2°10	19°50	17°19	29° 0	1°48	8°31	20°D54	21° 8	21°18	22°31	S 3
M 4	9 20 55	21°45'52	24°41	7°26	7°57	2°57	19°44	17°18	28°58	1°50	8°30	20°R54	21° 4	21°25	22°30	M 4
T 5	9 24 51	22°46'14	7♍26	9° 4	8°51	3°44	19°38	17°17	28°55	1°52	8°29	20°54	21° 1	21°31	22°28	T 5
W 6	9 28 48	23°46'34	20°24	10°43	9°44	4°31	19°33	17°17	28°53	1°54	8°27	20°53	20°58	21°38	22°27	W 6
T 7	9 32 44	24°46'53	3♎36	12°23	10°37	5°19	19°27	17°16	28°50	1°56	8°26	20°53	20°55	21°45	22°26	T 7
F 8	9 36 41	25°47'09	17° 1	14° 4	11°29	6° 6	19°22	17°16	28°47	1°58	8°24	20°53	20°52	21°51	22°25	F 8
S 9	9 40 37	26°47'25	0♏39	15°46	12°20	6°53	19°17	17°16	28°45	2° 0	8°23	20°52	20°49	21°58	22°24	S 9
S 10	9 44 34	27°47'38	14°29	17°29	13°10	7°39	19°12	17°16	28°42	2° 2	8°22	20°51	20°45	22° 5	22°23	S 10
M11	9 48 30	28°47'51	28°30	19°14	14° 0	8°26	19° 7	17°D16	28°40	2° 4	8°20	20°D51	20°42	22°12	22°23	M11
T 12	9 52 27	29°48'02	12♐41	20°59	14°49	9°13	19° 3	17°16	28°37	2° 6	8°19	20°51	20°39	22°18	22°22	T 12
W13	9 56 24	0♓48'11	27° 0	22°45	15°37	10° 0	18°58	17°16	28°34	2° 8	8°18	20°52	20°36	22°25	22°21	W13
T 14	10 0 20	1°48'19	11♑24	24°32	16°24	10°47	18°54	17°16	28°32	2°10	8°16	20°53	20°33	22°32	22°21	T 14
F 15	10 4 17	2°48'25	25°49	26°21	17°10	11°34	18°50	17°17	28°29	2°12	8°15	20°54	20°29	22°38	22°20	F 15
S 16	10 8 13	3°48'29	10♒11	28°10	17°55	12°21	18°46	17°17	28°27	2°14	8°14	20°55	20°26	22°45	22°20	S 16
S 17	10 12 10	4°48'32	24°25	0♓ 1	18°39	13° 7	18°42	17°18	28°24	2°16	8°13	20°R55	20°23	22°52	22°20	S 17
M18	10 16 6	5°48'32	8♓26	1°52	19°22	13°54	18°39	17°19	28°21	2°18	8°11	20°54	20°20	22°58	22°20	M18
T 19	10 20 3	6°48'31	22°10	3°45	20° 4	14°41	18°35	17°20	28°19	2°20	8°10	20°53	20°17	23° 5	22°D20	T 19
W20	10 23 59	7°48'27	5♈35	5°39	20°45	15°28	18°32	17°21	28°16	2°22	8° 9	20°51	20°14	23°12	22°20	W20
T 21	10 27 56	8°48'22	18°40	7°34	21°25	16°14	18°29	17°22	28°14	2°24	8° 8	20°48	20°10	23°19	22°20	T 21
F 22	10 31 53	9°48'14	1♉25	9°29	22° 4	17° 1	18°26	17°23	28°11	2°26	8° 6	20°45	20° 7	23°25	22°20	F 22
S 23	10 35 49	10°48'04	13°51	11°26	22°41	17°47	18°24	17°24	28° 8	2°28	8° 5	20°43	20° 4	23°32	22°20	S 23
S 24	10 39 46	11°47'52	26° 2	13°23	23°17	18°34	18°21	17°26	28° 6	2°30	8° 4	20°41	20° 1	23°39	22°20	S 24
M25	10 43 42	12°47'37	8♊ 2	15°22	23°51	19°20	18°19	17°27	28° 3	2°33	8° 3	20°D40	19°58	23°45	22°21	M25
T 26	10 47 39	13°47'20	19°55	17°21	24°25	20° 7	18°17	17°29	28° 1	2°35	8° 2	20°40	19°55	23°52	22°21	T 26
W27	10 51 35	14°47'01	1♋46	19°20	24°56	20°53	18°15	17°31	27°58	2°37	8° 1	20°41	19°51	23°59	22°22	W27
T 28	10 55 32	15°46'40	13°40	21°20	25°26	21°40	18°13	17°33	27°56	2°39	8° 0	20°42	19°48	24° 5	22°23	T 28
F 29	10 59 28	16♓46'17	25♋42	23♓20	25♈55	22♓26	18♋12	17♊35	27♌54	2♈41	7♌58	20♒44	19♒45	24♊12	22♊23	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s16	25n15	2n54	21s23	1s47	3n49	1n54	12s14	1s 0	22n40	0n38	21n52	1s 5	12n35	0n48	0s44	1s33	26n41	8n49	14s36	14s29	27n42	17n43	5s38
S 2	14 57	22 8	1 54	21 5	1 50	4 18	2 1	11 57	0 59	22 41	0 38	21 52	1 4	12 36	0 48	0 43	1 33	26 42	8 49	14 36	14 30	27 42	17 43	5 38
S 3	14 38	18 0	0 48	20 44	1 54	4 46	2 9	11 40	0 59	22 42	0 38	21 52	1 4	12 37	0 48	0 42	1 33	26 42	8 49	14 36	14 31	27 42	17 43	5 37
M 4	14 19	13 1	0s21	20 22	1 57	5 15	2 16	11 22	0 58	22 42	0 38	21 52	1 4	12 38	0 48	0 42	1 33	26 43	8 49	14 36	14 32	27 42	17 43	5 37
T 5	13 59	7 25	1 30	19 59	1 59	5 43	2 23	11 5	0 58	22 43	0 38	21 53	1 4	12 39	0 48	0 41	1 33	26 43	8 49	14 36	14 33	27 42	17 44	5 37
W 6	13 39	1 25	2 36	19 34	2 2	6 11	2 31	10 47	0 58	22 44	0 38	21 53	1 4	12 40	0 48	0 40	1 33	26 43	8 49	14 36	14 34	27 42	17 44	5 36
T 7	13 19	4s44	3 35	19 8	2 4	6 38	2 38	10 30	0 57	22 45	0 38	21 53	1 3	12 41	0 48	0 39	1 33	26 44	8 49	14 36	14 35	27 42	17 44	5 36
F 8	12 59	10 46	4 23	18 40	2 5	7 6	2 45	10 12	0 57	22 46	0 38	21 53	1 3	12 42	0 48	0 38	1 33	26 44	8 49	14 36	14 36	27 42	17 45	5 36
S 9	12 38	16 23	4 57	18 11	2 6	7 33	2 53	9 54	0 57	22 47	0 38	21 53	1 3	12 43	0 48	0 38	1 33	26 45	8 49	14 36	14 37	27 42	17 45	5 35
S 10	12 18	21 16	5 15	17 40	2 7	7 59	3 1	9 36	0 56	22 47	0 38	21 53	1 3	12 43	0 48	0 37	1 33	26 45	8 49	14 36	14 38	27 42	17 45	5 35
M11	11 57	25 1	5 14	17 8	2 7	8 26	3 8	9 18	0 56	22 48	0 38	21 54	1 3	12 44	0 48	0 36	1 33	26 45	8 49	14 36	14 39	27 42	17 45	5 34
T 12	11 35	27 17	4 54	16 34	2 7	8 52	3 16	9 0	0 55	22 49	0 38	21 54	1 2	12 45	0 48	0 35	1 33	26 46	8 49	14 36	14 40	27 42	17 46	5 34
W13	11 14	27 47	4 16	15 59	2 6	9 18	3 24	8 42	0 55	22 49	0 38	21 54	1 2	12 46	0 48	0 34	1 33	26 46	8 49	14 36	14 41	27 42	17 46	5 34
T 14	10 53	26 24	3 22	15 22	2 5	9 43	3 31	8 24	0 55	22 50	0 38	21 54	1 2	12 47	0 48	0 34	1 33	26 46	8 49	14 36	14 42	27 42	17 46	5 33
F 15	10 31	23 17	2 15	14 44	2 4	10 8	3 39	8 5	0 54	22 51	0 38	21 55	1 2	12 48	0 48	0 33	1 33	26 47	8 49	14 36	14 43	27 41	17 47	5 33
S 16	10 9	18 43	0 59	14 4	2 2	10 33	3 47	7 47	0 54	22 51	0 38	21 55	1 1	12 49	0 48	0 32	1 33	26 47	8 49	14 35	14 44	27 41	17 47	5 33
S 17	9 47	13 8	0n19	13 22	1 59	10 57	3 55	7 29	0 53	22 52	0 38	21 55	1 1	12 50	0 48	0 31	1 33	26 47	8 49	14 35	14 45	27 41	17 48	5 32
M18	9 25	6 58	1 35	12 39	1 56	11 21	4 3	7 10	0 53	22 52	0 38	21 55	1 1	12 51	0 48	0 30	1 33	26 48	8 49	14 35	14 46	27 41	17 48	5 32
T 19	9 3	0 36	2 44	11 55	1 52	11 45	4 11	6 52	0 52	22 53	0 38	21 56	1 1	12 52	0 48	0 29	1 33	26 48	8 49	14 36	14 47	27 41	17 48	5 32
W20	8 41	5n38	3 42	11 9	1 48	12 8	4 19	6 33	0 52	22 53	0 38	21 56	1 1	12 53	0 48	0 29	1 33	26 48	8 49	14 37	14 48	27 41	17 49	5 31
T 21	8 18	11 27	4 27	10 22	1 43	12 30	4 27	6 15	0 52	22 54	0 38	21 56	1 0	12 53	0 48	0 28	1 33	26 48	8 49	14 37	14 49	27 41	17 49	5 31
F 22	7 56	16 39	4 57	9 34	1 38	12 52	4 35	5 56	0 51	22 54	0 38	21 57	1 0	12 54	0 48	0 27	1 33	26 49	8 49	14 38	14 50	27 41	17 49	5 30
S 23	7 33	21 2	5 13	8 44	1 32	13 13	4 43	5 37	0 51	22 54	0 38	21 57	1 0	12 55	0 48	0 26	1 33	26 49	8 49	14 39	14 51	27 41	17 50	5 30
S 24	7 10	24 25	5 14	7 53	1 26	13 34	4 50	5 19	0 50	22 55	0 38	21 57	1 0	12 56	0 48	0 25	1 33	26 49	8 49	14 40	14 52	27 40	17 50	5 30
M25	6 47	26 41	5 1	7 0	1 19	13 55	4 58	5 0	0 50	22 55	0 38	21 58	1 0	12 57	0 48	0 24	1 33	26 50	8 49	14 40	14 53	27 40	17 51	5 29
T 26	6 24	27 44	4 35	6 7	1 12	14 14	5 6	4 41	0 49	22 55	0 38	21 58	0 59	12 58	0 48	0 23	1 33	26 50	8 49	14 40	14 54	27 40	17 51	5 29
W27	6 1	27 30	3 58	5 13	1 3	14 33	5 14	4 22	0 49	22 56	0 38	21 58	0 59	12 59	0 48	0 23	1 33	26 50	8 48	14 40	14 55	27 40	17 51	5 29
T 28	5 38	25 59	3 10	4 17	0 55	14 52	5 22	4 4	0 48	22 56	0 38	21 59	0 59	13 0	0 48	0 22	1 33	26 50	8 48	14 39	14 56	27 40	17 52	5 28
F 29	5s15	23n17	2n13	3s21	0s46	15n10	5n29	3s45	0s48	22n56	0n38	21n59	0s59	13n 0	0n48	0s21	1s33	26n50	8n48	14s39	14s57	27n40	17n52	5s28

Julian Day Number = 2162310.5, Delta T = 13m05s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'52, Lahiri = 12°48'53 Julian Calendar 1 Feb. 1208 == Greg. Calendar 8 Feb. 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

MARCH 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 3 25	17♓45'51	7♌55	25♓20	26♈22	23♓12	18°R11	17♊37	27°R51	2♈44	7°R57	20♒46	19♒42	24♊19	22♊24	S 1
S 2	11 7 22	18°45'23	20°24	27°20	26°47	23°59	18♋ 9	17°39	27♌49	2°46	7♌56	20°R46	19°39	24°26	22°25	S 2
M 3	11 11 18	19°44'52	3♍ 9	29°19	27°10	24°45	18° 9	17°41	27°46	2°48	7°55	20°46	19°35	24°32	22°26	M 3
T 4	11 15 15	20°44'19	16°13	1♈17	27°32	25°31	18° 8	17°44	27°44	2°50	7°54	20°44	19°32	24°39	22°27	T 4
W 5	11 19 11	21°43'45	29°36	3°14	27°52	26°17	18° 7	17°46	27°42	2°52	7°53	20°40	19°29	24°46	22°29	W 5
T 6	11 23 8	22°43'08	13♎14	5° 9	28° 9	27° 3	18° 7	17°49	27°39	2°55	7°52	20°35	19°26	24°52	22°30	T 6
F 7	11 27 4	23°42'29	27° 7	7° 2	28°25	27°49	18°D 7	17°52	27°37	2°57	7°51	20°30	19°23	24°59	22°31	F 7
S 8	11 31 1	24°41'49	11♏ 9	8°53	28°39	28°35	18° 7	17°54	27°35	2°59	7°50	20°25	19°20	25° 6	22°33	S 8
S 9	11 34 57	25°41'06	25°18	10°41	28°50	29°21	18° 7	17°57	27°33	3° 1	7°50	20°21	19°16	25°12	22°34	S 9
M10	11 38 54	26°40'22	9♐30	12°25	28°59	0♈ 7	18° 8	18° 0	27°30	3° 4	7°49	20°18	19°13	25°19	22°36	M10
T 11	11 42 51	27°39'36	23°42	14° 6	29° 6	0°53	18° 8	18° 4	27°28	3° 6	7°48	20°D17	19°10	25°26	22°38	T 11
W12	11 46 47	28°38'49	7♑52	15°43	29°11	1°39	18° 9	18° 7	27°26	3° 8	7°47	20°17	19° 7	25°33	22°39	W12
T 13	11 50 44	29°37'59	21°58	17°15	29°R13	2°25	18°10	18°10	27°24	3°10	7°46	20°18	19° 4	25°39	22°41	T 13
F 14	11 54 40	0♈37'08	5♒58	18°42	29°13	3°11	18°11	18°14	27°22	3°13	7°45	20°20	19° 0	25°46	22°43	F 14
S 15	11 58 37	1°36'15	19°53	20° 5	29°11	3°56	18°13	18°17	27°20	3°15	7°45	20°R20	18°57	25°53	22°45	S 15
S 16	12 2 33	2°35'20	3♓38	21°22	29° 6	4°42	18°14	18°21	27°18	3°17	7°44	20°19	18°54	25°59	22°47	S 16
M17	12 6 30	3°34'22	17°14	22°33	28°59	5°28	18°16	18°24	27°16	3°19	7°43	20°17	18°51	26° 6	22°50	M17
T 18	12 10 26	4°33'23	0♈38	23°38	28°49	6°13	18°18	18°28	27°14	3°22	7°43	20°12	18°48	26°13	22°52	T 18
W19	12 14 23	5°32'22	13°48	24°38	28°37	6°59	18°20	18°32	27°12	3°24	7°42	20° 5	18°45	26°19	22°54	W19
T 20	12 18 20	6°31'19	26°42	25°31	28°22	7°44	18°22	18°36	27°10	3°26	7°41	19°57	18°41	26°26	22°57	T 20
F 21	12 22 16	7°30'14	9♉20	26°18	28° 5	8°30	18°25	18°40	27° 8	3°29	7°41	19°48	18°38	26°33	22°59	F 21
S 22	12 26 13	8°29'06	21°44	26°59	27°45	9°15	18°28	18°44	27° 7	3°31	7°40	19°40	18°35	26°39	23° 2	S 22
S 23	12 30 9	9°27'57	3♊54	27°33	27°24	10° 1	18°30	18°49	27° 5	3°33	7°39	19°33	18°32	26°46	23° 4	S 23
M24	12 34 6	10°26'45	15°53	28° 0	27° 0	10°46	18°33	18°53	27° 3	3°35	7°39	19°28	18°29	26°53	23° 7	M24
T 25	12 38 2	11°25'31	27°46	28°21	26°33	11°31	18°37	18°57	27° 2	3°38	7°38	19°24	18°26	27° 0	23°10	T 25
W26	12 41 59	12°24'14	9♋36	28°36	26° 5	12°17	18°40	19° 2	27° 0	3°40	7°38	19°D23	18°22	27° 6	23°13	W26
T 27	12 45 55	13°22'56	21°29	28°44	25°35	13° 2	18°44	19° 7	26°58	3°42	7°37	19°23	18°19	27°13	23°16	T 27
F 28	12 49 52	14°21'35	3♌31	28°R45	25° 3	13°47	18°47	19°11	26°57	3°44	7°37	19°24	18°16	27°20	23°19	F 28
S 29	12 53 49	15°20'12	15°45	28°41	24°30	14°32	18°51	19°16	26°55	3°47	7°37	19°R25	18°13	27°26	23°22	S 29
S 30	12 57 45	16°18'46	28°18	28°31	23°55	15°17	18°55	19°21	26°54	3°49	7°36	19°25	18°10	27°33	23°25	S 30
M31	13 1 42	17♈17'18	11♍12	28♈16	23♈19	16♈ 2	19♋ 0	19♊26	26♌53	3♈51	7♌36	19♒23	18♒ 6	27♊40	23♊28	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s51	19n30	1n10	2s25	0s36	15n27	5n37	3s26	0s47	22n56	0n38	22n 0	0s59	13n 1	0n48	0s20	1s33	26n51	8n48	14s38	14s58	27n39	17n53	5s27
S 2	4 28	14 47	0 2	1 28	0 26	15 43	5 45	3 7	0 47	22 56	0 38	22 0	0 58	13 2	0 48	0 19	1 33	26 51	8 48	14 38	14 59	27 39	17 53	5 27
M 3	4 5	9 21	1s 7	0 30	0 15	15 58	5 52	2 48	0 46	22 57	0 38	22 0	0 58	13 3	0 48	0 18	1 33	26 51	8 48	14 38	15 0	27 39	17 53	5 27
T 4	3 41	3 23	2 15	0n27	0 4	16 13	5 59	2 29	0 46	22 57	0 38	22 1	0 58	13 4	0 48	0 17	1 33	26 51	8 48	14 39	15 1	27 39	17 54	5 26
W 5	3 18	2s50	3 16	1 24	0n 7	16 27	6 6	2 10	0 45	22 57	0 38	22 1	0 58	13 4	0 48	0 16	1 33	26 51	8 48	14 40	15 2	27 38	17 54	5 26
T 6	2 54	9 3	4 8	2 21	0 19	16 40	6 13	1 52	0 45	22 57	0 38	22 2	0 58	13 5	0 48	0 15	1 33	26 52	8 48	14 41	15 3	27 38	17 55	5 26
F 7	2 31	14 56	4 46	3 17	0 31	16 52	6 20	1 33	0 44	22 57	0 38	22 2	0 57	13 6	0 48	0 15	1 33	26 52	8 48	14 43	15 4	27 38	17 55	5 25
S 8	2 7	20 6	5 7	4 12	0 43	17 3	6 27	1 14	0 44	22 57	0 38	22 3	0 57	13 7	0 48	0 14	1 33	26 52	8 48	14 45	15 5	27 38	17 56	5 25
S 9	1 43	24 11	5 10	5 6	0 55	17 13	6 33	0 55	0 43	22 57	0 38	22 3	0 57	13 8	0 48	0 13	1 33	26 52	8 47	14 46	15 6	27 37	17 56	5 24
M10	1 20	26 49	4 54	5 58	1 8	17 22	6 39	0 36	0 43	22 57	0 38	22 3	0 57	13 8	0 48	0 12	1 33	26 52	8 47	14 47	15 7	27 37	17 57	5 24
T 11	0 56	27 43	4 20	6 48	1 20	17 30	6 45	0 17	0 42	22 57	0 38	22 4	0 57	13 9	0 48	0 11	1 33	26 52	8 47	14 47	15 8	27 37	17 57	5 24
W12	0 32	26 48	3 30	7 37	1 32	17 37	6 51	0n 1	0 42	22 56	0 38	22 4	0 56	13 10	0 48	0 10	1 33	26 52	8 47	14 47	15 9	27 37	17 58	5 23
T 13	0 9	24 11	2 28	8 23	1 43	17 43	6 56	0 20	0 41	22 56	0 38	22 5	0 56	13 10	0 48	0 9	1 33	26 52	8 47	14 47	15 10	27 36	17 58	5 23
F 14	0n15	20 6	1 17	9 7	1 55	17 47	7 1	0 39	0 41	22 56	0 38	22 5	0 56	13 11	0 48	0 8	1 33	26 53	8 47	14 46	15 11	27 36	17 58	5 23
S 15	0 38	14 57	0 3	9 49	2 5	17 51	7 5	0 58	0 40	22 56	0 38	22 6	0 56	13 12	0 48	0 7	1 33	26 53	8 47	14 46	15 12	27 36	17 59	5 22
S 16	1 2	9 6	1n12	10 27	2 15	17 53	7 9	1 16	0 40	22 56	0 38	22 6	0 56	13 12	0 48	0 6	1 33	26 53	8 47	14 47	15 13	27 35	17 59	5 22
M17	1 26	2 55	2 20	11 3	2 25	17 53	7 13	1 35	0 39	22 55	0 38	22 7	0 55	13 13	0 48	0 6	1 33	26 53	8 46	14 47	15 14	27 35	18 0	5 21
T 18	1 49	3n19	3 20	11 36	2 34	17 53	7 16	1 54	0 38	22 55	0 38	22 7	0 55	13 14	0 48	0 5	1 33	26 53	8 46	14 49	15 15	27 35	18 0	5 21
W19	2 13	9 16	4 8	12 5	2 42	17 51	7 19	2 12	0 38	22 55	0 38	22 8	0 55	13 14	0 48	0 4	1 33	26 53	8 46	14 51	15 16	27 34	18 1	5 21
T 20	2 36	14 43	4 43	12 32	2 49	17 47	7 21	2 31	0 37	22 55	0 38	22 8	0 55	13 15	0 47	0 3	1 33	26 53	8 46	14 54	15 17	27 34	18 1	5 20
F 21	2 59	19 26	5 2	12 55	2 55	17 42	7 22	2 49	0 37	22 54	0 38	22 9	0 55	13 16	0 47	0 2	1 33	26 53	8 46	14 56	15 18	27 34	18 2	5 20
S 22	3 23	23 13	5 7	13 14	3 0	17 36	7 23	3 8	0 36	22 54	0 38	22 9	0 55	13 16	0 47	0 1	1 33	26 53	8 46	14 59	15 19	27 33	18 2	5 20
S 23	3 46	25 53	4 58	13 31	3 4	17 28	7 23	3 26	0 36	22 53	0 38	22 10	0 54	13 17	0 47	0 0	1 33	26 53	8 46	15 1	15 20	27 33	18 3	5 19
M24	4 9	27 21	4 35	13 43	3 7	17 18	7 22	3 45	0 35	22 53	0 38	22 11	0 54	13 17	0 47	0n 1	1 33	26 53	8 45	15 3	15 21	27 33	18 3	5 19
T 25	4 32	27 33	4 1	13 52	3 9	17 7	7 21	4 3	0 34	22 53	0 38	22 11	0 54	13 18	0 47	0 2	1 33	26 53	8 45	15 4	15 22	27 32	18 4	5 19
W26	4 55	26 28	3 17	13 58	3 9	16 55	7 19	4 21	0 34	22 52	0 38	22 12	0 54	13 18	0 47	0 3	1 33	26 53	8 45	15 4	15 23	27 32	18 4	5 18
T 27	5 18	24 12	2 24	14 0	3 8	16 41	7 16	4 39	0 33	22 52	0 38	22 12	0 54	13 19	0 47	0 3	1 33	26 53	8 45	15 4	15 24	27 31	18 5	5 18
F 28	5 41	20 49	1 24	13 58	3 6	16 26	7 12	4 57	0 33	22 51	0 38	22 13	0 54	13 19	0 47	0 4	1 33	26 53	8 45	15 4	15 25	27 31	18 5	5 18
S 29	6 4	16 30	0 20	13 53	3 2	16 9	7 8	5 15	0 32	22 50	0 38	22 13	0 53	13 20	0 47	0 5	1 33	26 53	8 45	15 4	15 26	27 31	18 6	5 17
S 30	6 27	11 23	0s47	13 44	2 56	15 51	7 2	5 33	0 32	22 50	0 38	22 14	0 53	13 20	0 47	0 6	1 33	26 53	8 45	15 4	15 27	27 30	18 6	5 17
M31	6n49	5n39	1s54	13n32	2n50	15n32	6n56	5n51	0s31	22n49	0n38	22n14	0s53	13n21	0n47	0n 7	1s33	26n53	8n44	15s 4	15s28	27n30	18n 7	5s17

Julian Day Number = 2162339.5, Delta T = 13m05s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°41'56, Lahiri = 12°48'57 Julian Calendar 1 March 1208 == Greg. Calendar 8 March 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

APRIL 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 38	18♈15'49	24♍29	27°R55	22°R42	16♈47	19♋ 4	19♊31	26°R51	3♈53	7°R36	19°R18	18♒ 3	27♊46	23♊31	T 1
W 2	13 9 35	19°14'17	8♎10	27♈30	22♈ 5	17°32	19° 9	19°36	26♌50	3°55	7♌35	19♒11	18° 0	27°53	23°35	W 2
T 3	13 13 31	20°12'43	22°13	27° 0	21°27	18°16	19°13	19°41	26°49	3°58	7°35	19° 3	17°57	28° 0	23°38	T 3
F 4	13 17 28	21°11'07	6♏33	26°27	20°49	19° 1	19°18	19°46	26°48	4° 0	7°35	18°53	17°54	28° 6	23°42	F 4
S 5	13 21 24	22° 9'30	21° 3	25°51	20°11	19°46	19°23	19°52	26°46	4° 2	7°35	18°43	17°51	28°13	23°45	S 5
S 6	13 25 21	23° 7'51	5♐38	25°13	19°34	20°31	19°29	19°57	26°45	4° 4	7°34	18°35	17°47	28°20	23°49	S 6
M 7	13 29 17	24° 6'10	20°11	24°34	18°57	21°15	19°34	20° 2	26°44	4° 6	7°34	18°28	17°44	28°27	23°52	M 7
T 8	13 33 14	25° 4'28	4♑36	23°54	18°20	22° 0	19°39	20° 8	26°43	4° 9	7°34	18°25	17°41	28°33	23°56	T 8
W 9	13 37 11	26° 2'44	18°49	23°14	17°45	22°44	19°45	20°14	26°42	4°11	7°34	18°23	17°38	28°40	24° 0	W 9
T 10	13 41 7	27° 0'58	2♒50	22°34	17°11	23°29	19°51	20°19	26°41	4°13	7°34	18°D23	17°35	28°47	24° 4	T 10
F 11	13 45 4	27°59'11	16°38	21°57	16°39	24°13	19°57	20°25	26°40	4°15	7°34	18°R23	17°32	28°53	24° 8	F 11
S 12	13 49 0	28°57'23	0♓13	21°21	16° 8	24°58	20° 3	20°31	26°40	4°17	7°D34	18°23	17°28	29° 0	24°12	S 12
S 13	13 52 57	29°55'33	13°37	20°47	15°39	25°42	20° 9	20°37	26°39	4°19	7°34	18°20	17°25	29° 7	24°16	S 13
M14	13 56 53	0♉53'41	26°49	20°17	15°13	26°26	20°16	20°43	26°38	4°21	7°34	18°15	17°22	29°13	24°20	M14
T 15	14 0 50	1°51'48	9♈50	19°51	14°48	27°10	20°22	20°49	26°38	4°23	7°34	18° 8	17°19	29°20	24°24	T 15
W16	14 4 46	2°49'54	22°40	19°28	14°25	27°55	20°29	20°55	26°37	4°25	7°34	17°57	17°16	29°27	24°28	W16
T 17	14 8 43	3°47'57	5♉18	19° 9	14° 4	28°39	20°36	21° 1	26°36	4°27	7°34	17°45	17°12	29°33	24°33	T 17
F 18	14 12 40	4°45'59	17°44	18°55	13°46	29°23	20°43	21° 7	26°36	4°29	7°34	17°32	17° 9	29°40	24°37	F 18
S 19	14 16 36	5°44'00	29°59	18°45	13°30	0♉ 7	20°50	21°13	26°35	4°31	7°35	17°19	17° 6	29°47	24°41	S 19
S 20	14 20 33	6°41'59	12♊ 3	18°40	13°17	0°51	20°57	21°19	26°35	4°33	7°35	17° 8	17° 3	29°53	24°46	S 20
M21	14 24 29	7°39'56	23°59	18°D40	13° 6	1°35	21° 5	21°26	26°35	4°35	7°35	16°58	17° 0	0♋ 0	24°50	M21
T 22	14 28 26	8°37'51	5♋50	18°44	12°58	2°18	21°12	21°32	26°34	4°37	7°35	16°52	16°57	0° 7	24°55	T 22
W23	14 32 22	9°35'44	17°38	18°53	12°51	3° 2	21°20	21°39	26°34	4°39	7°36	16°48	16°53	0°14	24°59	W23
T 24	14 36 19	10°33'36	29°30	19° 7	12°48	3°46	21°27	21°45	26°34	4°41	7°36	16°47	16°50	0°20	25° 4	T 24
F 25	14 40 15	11°31'26	11♌30	19°25	12°D46	4°30	21°35	21°52	26°34	4°43	7°36	16°46	16°47	0°27	25° 9	F 25
S 26	14 44 12	12°29'14	23°43	19°47	12°47	5°13	21°43	21°58	26°34	4°45	7°37	16°46	16°44	0°34	25°13	S 26
S 27	14 48 9	13°27'00	6♍14	20°14	12°50	5°57	21°52	22° 5	26°D34	4°47	7°37	16°45	16°41	0°40	25°18	S 27
M28	14 52 5	14°24'45	19° 9	20°45	12°56	6°40	22° 0	22°12	26°34	4°49	7°37	16°43	16°37	0°47	25°23	M28
T 29	14 56 2	15°22'28	2♎31	21°20	13° 4	7°24	22° 8	22°19	26°34	4°51	7°38	16°37	16°34	0°54	25°28	T 29
W30	14 59 58	16♉20'09	16♎21	21♈59	13♈13	8♉ 7	22♋17	22♊25	26♌34	4♈52	7♌38	16♒30	16♒31	1♋ 0	25♊33	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n11	0s29	2s56	13n17	2n42	15n11	6n49	6n 9	0s30	22n49	0n38	22n15	0s53	13n21	0n47	0n 8	1s33	26n53	8n44	15s 6	15s29	27n29	18n 7	5s16
W 2	7 34	6 46	3 50	12 59	2 32	14 50	6 41	6 27	0 30	22 48	0 38	22 16	0 53	13 22	0 47	0 9	1 33	26 53	8 44	15 8	15 30	27 29	18 7	5 16
T 3	7 56	12 52	4 31	12 38	2 21	14 27	6 33	6 45	0 29	22 47	0 38	22 16	0 52	13 22	0 47	0 9	1 33	26 52	8 44	15 11	15 31	27 28	18 8	5 16
F 4	8 18	18 25	4 56	12 15	2 9	14 4	6 24	7 2	0 29	22 47	0 38	22 17	0 52	13 22	0 47	0 10	1 33	26 52	8 44	15 14	15 32	27 28	18 8	5 15
S 5	8 40	22 58	5 3	11 50	1 56	13 41	6 14	7 20	0 28	22 46	0 38	22 17	0 52	13 23	0 47	0 11	1 33	26 52	8 44	15 17	15 33	27 27	18 9	5 15
S 6	9 2	26 6	4 50	11 22	1 41	13 16	6 3	7 37	0 27	22 45	0 38	22 18	0 52	13 23	0 47	0 12	1 33	26 52	8 43	15 19	15 34	27 27	18 9	5 15
M 7	9 23	27 29	4 19	10 54	1 26	12 52	5 52	7 55	0 27	22 44	0 38	22 18	0 52	13 23	0 47	0 13	1 33	26 52	8 43	15 21	15 35	27 26	18 10	5 15
T 8	9 45	26 58	3 31	10 24	1 10	12 27	5 40	8 12	0 26	22 43	0 38	22 19	0 52	13 24	0 47	0 14	1 33	26 52	8 43	15 23	15 36	27 26	18 10	5 14
W 9	10 6	24 42	2 30	9 54	0 54	12 2	5 27	8 29	0 26	22 43	0 38	22 20	0 52	13 24	0 47	0 15	1 33	26 52	8 43	15 23	15 37	27 25	18 11	5 14
T 10	10 27	20 56	1 22	9 24	0 37	11 37	5 15	8 46	0 25	22 42	0 38	22 20	0 51	13 24	0 47	0 15	1 33	26 52	8 43	15 23	15 38	27 25	18 11	5 14
F 11	10 48	16 4	0 9	8 54	0 20	11 12	5 1	9 3	0 24	22 41	0 38	22 21	0 51	13 25	0 47	0 16	1 33	26 52	8 43	15 23	15 39	27 24	18 12	5 13
S 12	11 9	10 28	1n 2	8 24	0 3	10 48	4 48	9 20	0 24	22 40	0 38	22 21	0 51	13 25	0 47	0 17	1 33	26 51	8 42	15 23	15 40	27 24	18 12	5 13
S 13	11 30	4 29	2 10	7 56	0s14	10 24	4 34	9 37	0 23	22 39	0 38	22 22	0 51	13 25	0 47	0 18	1 33	26 51	8 42	15 24	15 41	27 23	18 12	5 13
M14	11 50	1n37	3 9	7 29	0 31	10 1	4 20	9 54	0 23	22 38	0 38	22 22	0 51	13 25	0 47	0 19	1 33	26 51	8 42	15 25	15 42	27 23	18 13	5 13
T 15	12 10	7 32	3 57	7 4	0 47	9 38	4 6	10 10	0 22	22 37	0 38	22 23	0 51	13 25	0 47	0 19	1 33	26 51	8 42	15 28	15 43	27 22	18 13	5 12
W16	12 30	13 3	4 32	6 41	1 3	9 16	3 52	10 27	0 21	22 36	0 38	22 24	0 50	13 26	0 47	0 20	1 33	26 51	8 42	15 31	15 44	27 22	18 14	5 12
T 17	12 50	17 57	4 54	6 20	1 18	8 55	3 38	10 43	0 21	22 35	0 38	22 24	0 50	13 26	0 47	0 21	1 33	26 50	8 41	15 35	15 45	27 21	18 14	5 12
F 18	13 10	22 0	5 0	6 1	1 32	8 35	3 23	10 59	0 20	22 34	0 38	22 25	0 50	13 26	0 47	0 22	1 33	26 50	8 41	15 39	15 46	27 20	18 15	5 12
S 19	13 29	25 0	4 53	5 45	1 46	8 15	3 9	11 15	0 20	22 33	0 38	22 25	0 50	13 26	0 46	0 23	1 33	26 50	8 41	15 43	15 47	27 20	18 15	5 11
S 20	13 49	26 51	4 33	5 31	1 59	7 57	2 55	11 31	0 19	22 32	0 38	22 26	0 50	13 26	0 46	0 23	1 34	26 50	8 41	15 46	15 48	27 19	18 15	5 11
M21	14 8	27 25	4 1	5 20	2 11	7 40	2 41	11 47	0 18	22 30	0 38	22 26	0 50	13 26	0 46	0 24	1 34	26 50	8 41	15 49	15 49	27 19	18 16	5 11
T 22	14 26	26 43	3 19	5 11	2 22	7 24	2 27	12 3	0 18	22 29	0 38	22 27	0 50	13 26	0 46	0 25	1 34	26 49	8 41	15 51	15 50	27 18	18 16	5 11
W23	14 45	24 49	2 28	5 5	2 32	7 9	2 14	12 19	0 17	22 28	0 38	22 27	0 49	13 26	0 46	0 26	1 34	26 49	8 40	15 52	15 51	27 17	18 17	5 10
T 24	15 3	21 49	1 30	5 2	2 41	6 55	2 0	12 34	0 16	22 27	0 38	22 28	0 49	13 26	0 46	0 26	1 34	26 49	8 40	15 53	15 51	27 17	18 17	5 10
F 25	15 21	17 51	0 28	5 1	2 49	6 43	1 47	12 50	0 16	22 26	0 38	22 29	0 49	13 26	0 46	0 27	1 34	26 49	8 40	15 53	15 52	27 16	18 17	5 10
S 26	15 39	13 6	0s37	5 3	2 57	6 31	1 34	13 5	0 15	22 24	0 38	22 29	0 49	13 26	0 46	0 28	1 34	26 48	8 40	15 53	15 53	27 16	18 18	5 10
S 27	15 57	7 42	1 41	5 7	3 3	6 21	1 22	13 20	0 15	22 23	0 38	22 30	0 49	13 26	0 46	0 28	1 34	26 48	8 40	15 53	15 54	27 15	18 18	5 10
M28	16 14	1 49	2 42	5 13	3 8	6 12	1 10	13 35	0 14	22 22	0 38	22 30	0 49	13 26	0 46	0 29	1 34	26 48	8 40	15 54	15 55	27 14	18 18	5 9
T 29	16 31	4s19	3 37	5 22	3 13	6 4	0 58	13 50	0 13	22 20	0 38	22 31	0 49	13 26	0 46	0 30	1 34	26 47	8 39	15 55	15 56	27 14	18 19	5 9
W30	16n48	10s27	4s20	5n33	3s17	5n57	0n46	14n 5	0s13	22n19	0n38	22n31	0s48	13n26	0n46	0n31	1s34	26n47	8n39	15s58	15s57	27n13	18n19	5s 9

Julian Day Number = 2162370.5, Delta T = 13m05s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'00, Lahiri = 12°49'01 Julian Calendar 1 Apr. 1208 == Greg. Calendar 8 Apr. 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

MAY 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 55	17♉17'49	0♏38	22♈41	13♈25	8♉51	22♋25	22♊32	26♎34	4♈54	7♎39	16°R20	16♒28	1♋ 7	25♊38	T 1
F 2	15 7 51	18°15'27	15°16	23°27	13°39	9°34	22°34	22°39	26°34	4°56	7°39	16♒ 9	16°25	1°14	25°43	F 2
S 3	15 11 48	19°13'04	0♐ 9	24°17	13°55	10°17	22°43	22°46	26°35	4°58	7°40	15°57	16°22	1°20	25°48	S 3
S 4	15 15 44	20°10'40	15° 8	25°11	14°13	11° 0	22°52	22°53	26°35	4°59	7°41	15°48	16°18	1°27	25°53	S 4
M 5	15 19 41	21° 8'15	0♑ 4	26° 7	14°33	11°44	23° 1	23° 0	26°36	5° 1	7°41	15°40	16°15	1°34	25°58	M 5
T 6	15 23 38	22° 5'49	14°48	27° 7	14°55	12°27	23°10	23° 7	26°36	5° 3	7°42	15°35	16°12	1°40	26° 3	T 6
W 7	15 27 34	23° 3'22	29°15	28°10	15°18	13°10	23°19	23°14	26°37	5° 5	7°42	15°33	16° 9	1°47	26° 8	W 7
T 8	15 31 31	24° 0'54	13♒22	29°16	15°43	13°53	23°29	23°21	26°37	5° 6	7°43	15°D32	16° 6	1°54	26°14	T 8
F 9	15 35 27	24°58'25	27°10	0♉25	16°10	14°36	23°38	23°29	26°38	5° 8	7°44	15°R32	16° 3	2° 1	26°19	F 9
S 10	15 39 24	25°55'56	10♓38	1°37	16°38	15°19	23°48	23°36	26°38	5° 9	7°45	15°32	15°59	2° 7	26°24	S 10
S 11	15 43 20	26°53'25	23°49	2°52	17° 8	16° 1	23°57	23°43	26°39	5°11	7°45	15°29	15°56	2°14	26°30	S 11
M12	15 47 17	27°50'54	6♈45	4°10	17°39	16°44	24° 7	23°50	26°40	5°13	7°46	15°24	15°53	2°21	26°35	M12
T 13	15 51 13	28°48'22	19°29	5°31	18°12	17°27	24°17	23°58	26°41	5°14	7°47	15°17	15°50	2°27	26°40	T 13
W14	15 55 10	29°45'49	2♉ 1	6°54	18°45	18°10	24°27	24° 5	26°42	5°16	7°48	15° 7	15°47	2°34	26°46	W14
T 15	15 59 7	0♊43'15	14°23	8°20	19°21	18°52	24°37	24°12	26°43	5°17	7°49	14°55	15°43	2°41	26°51	T 15
F 16	16 3 3	1°40'40	26°35	9°49	19°57	19°35	24°47	24°20	26°44	5°18	7°50	14°42	15°40	2°47	26°57	F 16
S 17	16 7 0	2°38'05	8♊40	11°20	20°34	20°17	24°57	24°27	26°45	5°20	7°51	14°29	15°37	2°54	27° 2	S 17
S 18	16 10 56	3°35'28	20°37	12°54	21°13	21° 0	25° 8	24°35	26°46	5°21	7°52	14°18	15°34	3° 1	27° 8	S 18
M19	16 14 53	4°32'51	2♋29	14°31	21°53	21°42	25°18	24°42	26°47	5°23	7°53	14° 9	15°31	3° 7	27°14	M19
T 20	16 18 49	5°30'13	14°17	16°10	22°34	22°25	25°29	24°50	26°48	5°24	7°54	14° 2	15°28	3°14	27°19	T 20
W21	16 22 46	6°27'33	26° 5	17°52	23°16	23° 7	25°39	24°57	26°49	5°25	7°55	13°59	15°24	3°21	27°25	W21
T 22	16 26 43	7°24'53	7♌56	19°37	23°58	23°49	25°50	25° 5	26°51	5°27	7°56	13°57	15°21	3°27	27°31	T 22
F 23	16 30 39	8°22'12	19°55	21°24	24°42	24°31	26° 1	25°13	26°52	5°28	7°57	13°D57	15°18	3°34	27°36	F 23
S 24	16 34 36	9°19'30	2♍ 7	23°13	25°27	25°13	26°11	25°20	26°53	5°29	7°58	13°57	15°15	3°41	27°42	S 24
S 25	16 38 32	10°16'46	14°36	25° 5	26°12	25°56	26°22	25°28	26°55	5°30	7°59	13°R58	15°12	3°47	27°48	S 25
M26	16 42 29	11°14'02	27°29	27° 0	26°58	26°38	26°33	25°35	26°56	5°32	8° 0	13°56	15° 9	3°54	27°54	M26
T 27	16 46 25	12°11'17	10♎48	28°57	27°45	27°20	26°44	25°43	26°58	5°33	8° 1	13°53	15° 5	4° 1	27°59	T 27
W28	16 50 22	13° 8'31	24°36	0♊56	28°33	28° 1	26°55	25°51	26°59	5°34	8° 2	13°48	15° 2	4° 7	28° 5	W28
T 29	16 54 18	14° 5'45	8♏54	2°57	29°22	28°43	27° 7	25°59	27° 1	5°35	8° 3	13°40	14°59	4°14	28°11	T 29
F 30	16 58 15	15° 2'58	23°37	5° 0	0♉11	29°25	27°18	26° 6	27° 3	5°36	8° 5	13°32	14°56	4°21	28°17	F 30
S 31	17 2 12	16♊ 0'10	8♐40	7♊ 5	1♉ 1	0♊ 7	27♋29	26♊14	27♌ 4	5♈37	8♌ 6	13♒23	14♒53	4♋28	28♊23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 4	16s15	4s49	5n46	3s20	5n51	0n35	14n19	0s12	22n18	0n38	22n32	0s48	13n26	0n46	0n31	1s34	26n47	8n39	16s 1	15s58	27n12	18n20	5s 9
F 2	17 20	21 16	5 0	6 2	3 22	5 46	0 24	14 34	0 11	22 16	0 38	22 32	0 48	13 26	0 46	0 32	1 34	26 47	8 39	16 4	15 59	27 12	18 20	5 9
S 3	17 36	25 1	4 51	6 19	3 23	5 43	0 13	14 48	0 11	22 15	0 38	22 33	0 48	13 26	0 46	0 33	1 34	26 46	8 39	16 7	16 0	27 11	18 20	5 9
S 4	17 52	27 3	4 22	6 38	3 23	5 40	0 2	15 2	0 10	22 13	0 38	22 33	0 48	13 26	0 46	0 33	1 34	26 46	8 39	16 10	16 1	27 10	18 21	5 8
M 5	18 7	27 8	3 36	6 59	3 23	5 39	0s 8	15 16	0 9	22 12	0 38	22 34	0 48	13 25	0 46	0 34	1 34	26 46	8 38	16 13	16 2	27 9	18 21	5 8
T 6	18 22	25 17	2 35	7 21	3 22	5 38	0 17	15 30	0 9	22 10	0 38	22 34	0 48	13 25	0 46	0 35	1 34	26 45	8 38	16 14	16 3	27 9	18 21	5 8
W 7	18 37	21 47	1 25	7 45	3 20	5 39	0 27	15 44	0 8	22 8	0 38	22 35	0 48	13 25	0 46	0 35	1 34	26 45	8 38	16 15	16 4	27 8	18 21	5 8
T 8	18 51	17 4	0 11	8 11	3 18	5 40	0 36	15 57	0 8	22 7	0 38	22 35	0 47	13 25	0 46	0 36	1 34	26 45	8 38	16 15	16 5	27 7	18 22	5 8
F 9	19 6	11 33	1n 1	8 38	3 14	5 42	0 44	16 11	0 7	22 5	0 38	22 36	0 47	13 24	0 46	0 36	1 34	26 44	8 38	16 15	16 6	27 7	18 22	5 8
S 10	19 19	5 38	2 9	9 7	3 11	5 45	0 53	16 24	0 6	22 4	0 38	22 36	0 47	13 24	0 46	0 37	1 34	26 44	8 38	16 15	16 7	27 6	18 22	5 7
S 11	19 33	0n24	3 8	9 36	3 6	5 49	1 1	16 37	0 6	22 2	0 38	22 37	0 47	13 24	0 46	0 38	1 34	26 44	8 37	16 16	16 8	27 5	18 23	5 7
M12	19 46	6 18	3 56	10 7	3 1	5 54	1 9	16 50	0 5	22 0	0 38	22 37	0 47	13 24	0 46	0 38	1 34	26 43	8 37	16 17	16 9	27 4	18 23	5 7
T 13	19 59	11 50	4 31	10 40	2 55	6 0	1 16	17 3	0 4	21 58	0 38	22 38	0 47	13 23	0 46	0 39	1 34	26 43	8 37	16 19	16 10	27 4	18 23	5 7
W14	20 11	16 48	4 53	11 13	2 49	6 6	1 23	17 15	0 4	21 57	0 38	22 38	0 47	13 23	0 45	0 39	1 34	26 42	8 37	16 22	16 11	27 3	18 23	5 7
T 15	20 23	21 0	5 1	11 47	2 42	6 13	1 30	17 28	0 3	21 55	0 38	22 38	0 47	13 23	0 45	0 40	1 35	26 42	8 37	16 26	16 12	27 2	18 24	5 7
F 16	20 35	24 15	4 55	12 22	2 35	6 20	1 37	17 40	0 2	21 53	0 38	22 39	0 46	13 22	0 45	0 40	1 35	26 42	8 37	16 30	16 12	27 1	18 24	5 7
S 17	20 47	26 22	4 35	12 58	2 27	6 29	1 43	17 52	0 2	21 51	0 38	22 39	0 46	13 22	0 45	0 41	1 35	26 41	8 37	16 33	16 13	27 0	18 24	5 7
S 18	20 58	27 15	4 4	13 34	2 19	6 38	1 49	18 4	0 1	21 49	0 38	22 40	0 46	13 21	0 45	0 41	1 35	26 41	8 36	16 37	16 14	27 0	18 24	5 7
M19	21 9	26 53	3 22	14 11	2 10	6 47	1 55	18 16	0 1	21 47	0 38	22 40	0 46	13 21	0 45	0 42	1 35	26 40	8 36	16 39	16 15	26 59	18 24	5 7
T 20	21 19	25 16	2 31	14 49	2 1	6 57	2 0	18 27	0n 0	21 45	0 38	22 41	0 46	13 21	0 45	0 42	1 35	26 40	8 36	16 41	16 16	26 58	18 25	5 6
W21	21 29	22 33	1 34	15 27	1 52	7 8	2 6	18 39	0 1	21 44	0 38	22 41	0 46	13 20	0 45	0 43	1 35	26 40	8 36	16 42	16 17	26 57	18 25	5 6
T 22	21 39	18 53	0 32	16 5	1 42	7 19	2 11	18 50	0 1	21 42	0 38	22 41	0 46	13 20	0 45	0 43	1 35	26 39	8 36	16 43	16 18	26 56	18 25	5 6
F 23	21 48	14 24	0s32	16 43	1 32	7 31	2 15	19 1	0 2	21 40	0 38	22 42	0 46	13 19	0 45	0 44	1 35	26 39	8 36	16 43	16 19	26 55	18 25	5 6
S 24	21 57	9 17	1 35	17 21	1 21	7 43	2 20	19 12	0 3	21 38	0 38	22 42	0 46	13 19	0 45	0 44	1 35	26 38	8 36	16 43	16 20	26 55	18 25	5 6
S 25	22 5	3 41	2 36	17 59	1 10	7 55	2 24	19 22	0 3	21 35	0 38	22 42	0 45	13 18	0 45	0 45	1 35	26 38	8 35	16 43	16 21	26 54	18 25	5 6
M26	22 13	2s13	3 31	18 37	0 59	8 8	2 28	19 33	0 4	21 33	0 38	22 43	0 45	13 18	0 45	0 45	1 35	26 37	8 35	16 43	16 22	26 53	18 26	5 6
T 27	22 21	8 13	4 16	19 14	0 48	8 21	2 32	19 43	0 5	21 31	0 38	22 43	0 45	13 17	0 45	0 45	1 35	26 37	8 35	16 44	16 23	26 52	18 26	5 6
W28	22 28	14 2	4 48	19 50	0 37	8 35	2 36	19 53	0 5	21 29	0 38	22 44	0 45	13 16	0 45	0 46	1 35	26 37	8 35	16 45	16 24	26 51	18 26	5 6
T 29	22 35	19 19	5 4	20 25	0 26	8 49	2 39	20 3	0 6	21 27	0 38	22 44	0 45	13 16	0 45	0 46	1 35	26 36	8 35	16 48	16 25	26 50	18 26	5 6
F 30	22 42	23 36	5 0	20 59	0 15	9 3	2 42	20 13	0 7	21 25	0 38	22 44	0 45	13 15	0 45	0 47	1 35	26 36	8 35	16 50	16 26	26 49	18 26	5 6
S 31	22n48	26s23	4s36	21n32	0s 4	9n18	2s45	20n23	0n 7	21n23	0n38	22n45	0s45	13n15	0n45	0n47	1s35	26n35	8n35	16s52	16s27	26n48	18n26	5s 6

Julian Day Number = 2162400.5, Delta T = 13m04s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'05, Lahiri = 12°49'05 Julian Calendar 1 May 1208 == Greg. Calendar 8 May 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

JUNE 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 8	16♊57'22	23♐52	9♊12	1♉52	0♊49	27♋40	26♊22	27♌ 6	5♈38	8♌ 7	13°R16	14♒49	4♋34	28♊28	S 1
M 2	17 10 5	17°54'33	9♑ 4	11°20	2°43	1°30	27°52	26°30	27° 8	5°39	8° 9	13♒10	14°46	4°41	28°34	M 2
T 3	17 14 1	18°51'44	24° 5	13°30	3°35	2°12	28° 3	26°37	27°10	5°40	8°10	13° 6	14°43	4°48	28°40	T 3
W 4	17 17 58	19°48'55	8♒48	15°40	4°28	2°53	28°15	26°45	27°12	5°41	8°11	13°D 5	14°40	4°54	28°46	W 4
T 5	17 21 54	20°46'06	23° 9	17°51	5°21	3°35	28°27	26°53	27°14	5°42	8°12	13° 5	14°37	5° 1	28°52	T 5
F 6	17 25 51	21°43'17	7♓ 4	20° 2	6°14	4°16	28°38	27° 1	27°16	5°43	8°14	13° 6	14°34	5° 8	28°58	F 6
S 7	17 29 47	22°40'27	20°35	22°13	7° 9	4°58	28°50	27° 9	27°18	5°43	8°15	13°R 7	14°30	5°14	29° 4	S 7
S 8	17 33 44	23°37'38	3♈44	24°24	8° 3	5°39	29° 2	27°16	27°20	5°44	8°17	13° 6	14°27	5°21	29°10	S 8
M 9	17 37 41	24°34'49	16°34	26°35	8°58	6°21	29°14	27°24	27°22	5°45	8°18	13° 4	14°24	5°28	29°16	M 9
T 10	17 41 37	25°32'00	29° 8	28°44	9°54	7° 2	29°26	27°32	27°24	5°46	8°19	13° 0	14°21	5°34	29°22	T 10
W11	17 45 34	26°29'11	11♉28	0♋53	10°50	7°43	29°38	27°40	27°26	5°46	8°21	12°54	14°18	5°41	29°28	W11
T 12	17 49 30	27°26'22	23°38	3° 1	11°47	8°24	29°50	27°48	27°29	5°47	8°22	12°46	14°15	5°48	29°34	T 12
F 13	17 53 27	28°23'34	5♊40	5° 8	12°44	9° 5	0♌ 2	27°55	27°31	5°48	8°24	12°38	14°11	5°54	29°40	F 13
S 14	17 57 23	29°20'45	17°36	7°13	13°42	9°46	0°14	28° 3	27°33	5°48	8°25	12°30	14° 8	6° 1	29°46	S 14
S 15	18 1 20	0♋17'57	29°28	9°16	14°39	10°27	0°26	28°11	27°36	5°49	8°27	12°23	14° 5	6° 8	29°52	S 15
M16	18 5 16	1°15'08	11♋17	11°18	15°38	11° 8	0°38	28°19	27°38	5°49	8°28	12°17	14° 2	6°14	29°58	M16
T 17	18 9 13	2°12'20	23° 5	13°18	16°36	11°49	0°51	28°27	27°41	5°50	8°30	12°13	13°59	6°21	0♋ 4	T 17
W18	18 13 10	3° 9'31	4♌55	15°16	17°35	12°30	1° 3	28°35	27°43	5°50	8°32	12°12	13°55	6°28	0°10	W18
T 19	18 17 6	4° 6'43	16°49	17°13	18°35	13°11	1°15	28°42	27°46	5°51	8°33	12°D11	13°52	6°34	0°16	T 19
F 20	18 21 3	5° 3'54	28°52	19° 7	19°34	13°52	1°28	28°50	27°48	5°51	8°35	12°12	13°49	6°41	0°22	F 20
S 21	18 24 59	6° 1'06	11♍ 6	21° 0	20°35	14°32	1°40	28°58	27°51	5°52	8°36	12°14	13°46	6°48	0°28	S 21
S 22	18 28 56	6°58'17	23°36	22°50	21°35	15°13	1°53	29° 6	27°54	5°52	8°38	12°15	13°43	6°54	0°34	S 22
M23	18 32 52	7°55'29	6♎27	24°39	22°36	15°54	2° 5	29°14	27°56	5°52	8°40	12°R16	13°40	7° 1	0°39	M23
T 24	18 36 49	8°52'40	19°42	26°26	23°37	16°34	2°18	29°21	27°59	5°53	8°41	12°16	13°36	7° 8	0°45	T 24
W25	18 40 45	9°49'52	3♏23	28°11	24°38	17°15	2°31	29°29	28° 2	5°53	8°43	12°14	13°33	7°14	0°51	W25
T 26	18 44 42	10°47'03	17°33	29°54	25°39	17°55	2°43	29°37	28° 5	5°53	8°45	12°11	13°30	7°21	0°57	T 26
F 27	18 48 39	11°44'15	2♐ 8	1♌35	26°41	18°36	2°56	29°44	28° 8	5°53	8°46	12° 7	13°27	7°28	1° 3	F 27
S 28	18 52 35	12°41'27	17° 5	3°14	27°43	19°16	3° 9	29°52	28°10	5°53	8°48	12° 3	13°24	7°34	1° 9	S 28
S 29	18 56 32	13°38'40	2♑15	4°51	28°46	19°56	3°21	29°59	28°13	5°54	8°50	11°59	13°21	7°41	1°15	S 29
M30	19 0 28	14♋35'53	17♑29	6♌27	29♉48	20♊36	3♌34	0♋ 8	28♌16	5♈54	8♌51	11♒56	13♒17	7♋48	1♋21	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n54	27s16	3s52	22n 3	0n 7	9n33	2s48	20n32	0n 8	21n20	0n38	22n45	0s45	13n14	0n45	0n47	1s35	26n35	8n35	16s55	16s27	26n48	18n26	5s 6
M 2	22 59	26 5	2 52	22 32	0 18	9 48	2 50	20 41	0 8	21 18	0 38	22 45	0 45	13 13	0 45	0 48	1 35	26 34	8 34	16 56	16 28	26 47	18 26	5 6
T 3	23 4	23 2	1 40	22 59	0 28	10 3	2 53	20 50	0 9	21 16	0 38	22 45	0 45	13 13	0 45	0 48	1 36	26 34	8 34	16 57	16 29	26 46	18 26	5 6
W 4	23 9	18 30	0 23	23 24	0 38	10 19	2 55	20 59	0 10	21 13	0 38	22 46	0 44	13 12	0 45	0 48	1 36	26 33	8 34	16 58	16 30	26 45	18 26	5 6
T 5	23 13	13 1	0n54	23 47	0 48	10 35	2 57	21 8	0 10	21 11	0 38	22 46	0 44	13 11	0 45	0 49	1 36	26 33	8 34	16 58	16 31	26 44	18 26	5 6
F 6	23 17	7 1	2 5	24 7	0 57	10 51	2 59	21 16	0 11	21 9	0 38	22 46	0 44	13 10	0 45	0 49	1 36	26 32	8 34	16 57	16 32	26 43	18 26	5 6
S 7	23 20	0 52	3 8	24 24	1 5	11 7	3 0	21 25	0 12	21 6	0 38	22 47	0 44	13 10	0 45	0 49	1 36	26 32	8 34	16 57	16 33	26 42	18 26	5 6
S 8	23 23	5n 8	3 58	24 39	1 13	11 23	3 2	21 33	0 12	21 4	0 38	22 47	0 44	13 9	0 45	0 49	1 36	26 32	8 34	16 57	16 34	26 41	18 26	5 6
M 9	23 26	10 47	4 36	24 50	1 20	11 40	3 3	21 40	0 13	21 1	0 38	22 47	0 44	13 8	0 45	0 50	1 36	26 31	8 34	16 58	16 35	26 40	18 26	5 6
T 10	23 28	15 52	4 59	24 59	1 27	11 56	3 4	21 48	0 14	20 59	0 38	22 47	0 44	13 7	0 44	0 50	1 36	26 31	8 34	16 59	16 36	26 39	18 26	5 6
W11	23 30	20 12	5 8	25 5	1 33	12 13	3 5	21 56	0 14	20 56	0 38	22 48	0 44	13 7	0 44	0 50	1 36	26 30	8 34	17 1	16 37	26 38	18 26	5 6
T 12	23 31	23 38	5 2	25 8	1 38	12 30	3 6	22 3	0 15	20 54	0 38	22 48	0 44	13 6	0 44	0 50	1 36	26 30	8 33	17 3	16 38	26 37	18 26	5 6
F 13	23 32	26 0	4 44	25 9	1 42	12 46	3 6	22 10	0 15	20 51	0 38	22 48	0 44	13 5	0 44	0 51	1 36	26 29	8 33	17 5	16 39	26 36	18 26	5 6
S 14	23 33	27 9	4 13	25 6	1 46	13 3	3 7	22 17	0 16	20 49	0 38	22 48	0 44	13 4	0 44	0 51	1 36	26 29	8 33	17 8	16 40	26 35	18 26	5 6
S 15	23 33	27 3	3 31	25 2	1 49	13 20	3 7	22 23	0 17	20 46	0 38	22 48	0 44	13 3	0 44	0 51	1 36	26 28	8 33	17 10	16 40	26 34	18 26	5 6
M16	23 32	25 43	2 40	24 54	1 51	13 36	3 7	22 30	0 17	20 44	0 38	22 49	0 43	13 2	0 44	0 51	1 36	26 28	8 33	17 11	16 41	26 33	18 26	5 7
T 17	23 32	23 14	1 42	24 44	1 52	13 53	3 7	22 36	0 18	20 41	0 38	22 49	0 43	13 1	0 44	0 51	1 36	26 27	8 33	17 12	16 42	26 32	18 26	5 7
W18	23 30	19 46	0 40	24 32	1 53	14 10	3 7	22 42	0 19	20 38	0 39	22 49	0 43	13 1	0 44	0 51	1 36	26 27	8 33	17 13	16 43	26 31	18 26	5 7
T 19	23 29	15 28	0s25	24 18	1 53	14 26	3 7	22 48	0 19	20 36	0 39	22 49	0 43	13 0	0 44	0 51	1 36	26 26	8 33	17 13	16 44	26 30	18 26	5 7
F 20	23 27	10 31	1 30	24 2	1 53	14 43	3 6	22 54	0 20	20 33	0 39	22 49	0 43	12 59	0 44	0 52	1 37	26 26	8 33	17 13	16 45	26 29	18 26	5 7
S 21	23 24	5 6	2 31	23 44	1 51	14 59	3 6	22 59	0 21	20 30	0 39	22 49	0 43	12 58	0 44	0 52	1 37	26 25	8 33	17 12	16 46	26 28	18 26	5 7
S 22	23 22	0s37	3 27	23 24	1 50	15 16	3 5	23 4	0 21	20 27	0 39	22 49	0 43	12 57	0 44	0 52	1 37	26 25	8 33	17 12	16 47	26 27	18 25	5 7
M23	23 18	6 27	4 14	23 3	1 47	15 32	3 4	23 9	0 22	20 25	0 39	22 50	0 43	12 56	0 44	0 52	1 37	26 24	8 33	17 12	16 48	26 26	18 25	5 7
T 24	23 15	12 11	4 49	22 40	1 44	15 48	3 3	23 14	0 22	20 22	0 39	22 50	0 43	12 55	0 44	0 52	1 37	26 24	8 33	17 12	16 49	26 25	18 25	5 7
W25	23 11	17 32	5 9	22 15	1 40	16 4	3 2	23 19	0 23	20 19	0 39	22 50	0 43	12 54	0 44	0 52	1 37	26 23	8 33	17 12	16 50	26 24	18 25	5 8
T 26	23 6	22 7	5 11	21 50	1 36	16 19	3 1	23 23	0 24	20 16	0 39	22 50	0 43	12 53	0 44	0 52	1 37	26 23	8 33	17 13	16 51	26 22	18 25	5 8
F 27	23 1	25 29	4 54	21 23	1 32	16 35	3 0	23 27	0 24	20 13	0 39	22 50	0 43	12 52	0 44	0 52	1 37	26 22	8 33	17 14	16 51	26 21	18 25	5 8
S 28	22 56	27 10	4 17	20 55	1 26	16 50	2 58	23 31	0 25	20 10	0 39	22 50	0 43	12 51	0 44	0 52	1 37	26 22	8 33	17 15	16 52	26 20	18 24	5 8
S 29	22 50	26 52	3 21	20 26	1 21	17 6	2 57	23 35	0 26	20 7	0 39	22 50	0 42	12 50	0 44	0 52	1 37	26 21	8 32	17 16	16 53	26 19	18 24	5 8
M30	22n44	24s33	2s10	19n57	1n15	17n20	2s55	23n39	0n26	20n 4	0n39	22n50	0s42	12n49	0n44	0n52	1s37	26n21	8n32	17s17	16s54	26n18	18n24	5s 8

Julian Day Number = 2162431.5, Delta T = 13m04s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'09, Lahiri = 12°49'09 Julian Calendar 1 June 1208 == Greg. Calendar 8 June 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

JULY 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 4 25	15♋33'06	2♒37	8♌ 0	0♊51	21♊17	3♌47	0♋15	28♌19	5♈54	8♌53	11°R55	13♒14	7♋54	1♋27	T 1
W 2	19 8 21	16°30'20	17°31	9°31	1°55	21°57	4° 0	0°23	28°22	5°R54	8°55	11°D55	13°11	8° 1	1°33	W 2
T 3	19 12 18	17°27'35	2♓ 2	11° 1	2°58	22°37	4°13	0°30	28°25	5°54	8°57	11♒56	13° 8	8° 8	1°39	T 3
F 4	19 16 15	18°24'50	16° 8	12°28	4° 2	23°17	4°25	0°38	28°28	5°54	8°58	11°57	13° 5	8°14	1°44	F 4
S 5	19 20 11	19°22'07	29°48	13°54	5° 5	23°57	4°38	0°46	28°31	5°54	9° 0	11°58	13° 1	8°21	1°50	S 5
S 6	19 24 8	20°19'24	13♈ 2	15°17	6°10	24°37	4°51	0°53	28°35	5°53	9° 2	11°59	12°58	8°28	1°56	S 6
M 7	19 28 4	21°16'42	25°53	16°39	7°14	25°17	5° 4	1° 1	28°38	5°53	9° 4	11°R59	12°55	8°34	2° 2	M 7
T 8	19 32 1	22°14'02	8♉24	17°58	8°19	25°57	5°17	1° 8	28°41	5°53	9° 6	11°58	12°52	8°41	2° 8	T 8
W 9	19 35 57	23°11'22	20°40	19°15	9°23	26°37	5°30	1°16	28°44	5°53	9° 7	11°57	12°49	8°48	2°13	W 9
T 10	19 39 54	24° 8'44	2♊44	20°31	10°28	27°16	5°43	1°23	28°47	5°53	9° 9	11°55	12°46	8°54	2°19	T 10
F 11	19 43 50	25° 6'06	14°40	21°43	11°33	27°56	5°56	1°31	28°51	5°52	9°11	11°52	12°42	9° 1	2°25	F 11
S 12	19 47 47	26° 3'30	26°31	22°54	12°39	28°36	6° 9	1°38	28°54	5°52	9°13	11°49	12°39	9° 8	2°31	S 12
S 13	19 51 44	27° 0'55	8♋19	24° 2	13°44	29°15	6°22	1°45	28°57	5°52	9°15	11°47	12°36	9°14	2°36	S 13
M14	19 55 40	27°58'20	20° 8	25° 8	14°50	29°55	6°35	1°53	29° 1	5°51	9°17	11°46	12°33	9°21	2°42	M14
T 15	19 59 37	28°55'47	2♌ 0	26°11	15°56	0♋34	6°49	2° 0	29° 4	5°51	9°18	11°45	12°30	9°28	2°48	T 15
W16	20 3 33	29°53'14	13°56	27°11	17° 2	1°14	7° 2	2° 7	29° 7	5°51	9°20	11°D45	12°27	9°35	2°53	W16
T 17	20 7 30	0♌50'43	25°59	28° 9	18° 8	1°53	7°15	2°14	29°11	5°50	9°22	11°45	12°23	9°41	2°59	T 17
F 18	20 11 26	1°48'12	8♍11	29° 4	19°15	2°33	7°28	2°22	29°14	5°50	9°24	11°46	12°20	9°48	3° 4	F 18
S 19	20 15 23	2°45'43	20°35	29°55	20°22	3°12	7°41	2°29	29°18	5°49	9°26	11°47	12°17	9°55	3°10	S 19
S 20	20 19 19	3°43'14	3♎13	0♍44	21°28	3°51	7°54	2°36	29°21	5°49	9°28	11°47	12°14	10° 1	3°15	S 20
M21	20 23 16	4°40'46	16° 8	1°29	22°35	4°31	8° 7	2°43	29°25	5°48	9°30	11°48	12°11	10° 8	3°21	M21
T 22	20 27 13	5°38'19	29°23	2°10	23°42	5°10	8°20	2°50	29°28	5°47	9°31	11°48	12° 7	10°15	3°26	T 22
W23	20 31 9	6°35'53	12♏59	2°48	24°50	5°49	8°34	2°57	29°32	5°47	9°33	11°R48	12° 4	10°21	3°31	W23
T 24	20 35 6	7°33'27	26°57	3°22	25°57	6°28	8°47	3° 4	29°35	5°46	9°35	11°48	12° 1	10°28	3°37	T 24
F 25	20 39 2	8°31'03	11♐18	3°51	27° 4	7° 7	9° 0	3°11	29°39	5°45	9°37	11°48	11°58	10°35	3°42	F 25
S 26	20 42 59	9°28'40	25°58	4°17	28°12	7°46	9°13	3°18	29°42	5°45	9°39	11°48	11°55	10°41	3°47	S 26
S 27	20 46 55	10°26'18	10♑52	4°37	29°20	8°25	9°26	3°24	29°46	5°44	9°41	11°47	11°52	10°48	3°53	S 27
M28	20 50 52	11°23'57	25°53	4°53	0♋28	9° 4	9°39	3°31	29°50	5°43	9°43	11°D47	11°48	10°55	3°58	M28
T 29	20 54 48	12°21'38	10♒53	5° 4	1°36	9°43	9°52	3°38	29°53	5°42	9°44	11°R47	11°45	11° 1	4° 3	T 29
W30	20 58 45	13°19'19	25°44	5°10	2°44	10°22	10° 6	3°45	29°57	5°41	9°46	11°47	11°42	11° 8	4° 8	W30
T 31	21 2 42	14♌17'02	10♓18	5°R10	3♋53	11♋ 0	10♌19	3♋51	0♍ 0	5♈40	9♌48	11♒47	11♒39	11♋15	4♋13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n38	20s29	0s51	19n26	1n 8	17n35	2s54	23n42	0n27	20n 1	0n39	22n50	0s42	12n48	0n44	0n52	1s37	26n20	8n32	17s18	16s55	26n17	18n24	5s 8
W 2	22 31	15 10	0n31	18 55	1 1	17 50	2 52	23 45	0 27	19 58	0 39	22 50	0 42	12 47	0 44	0 52	1 37	26 20	8 32	17 18	16 56	26 16	18 23	5 9
T 3	22 24	9 6	1 49	18 24	0 54	18 4	2 50	23 48	0 28	19 55	0 39	22 50	0 42	12 46	0 44	0 52	1 37	26 19	8 32	17 17	16 57	26 15	18 23	5 9
F 4	22 16	2 46	2 57	17 52	0 46	18 18	2 48	23 51	0 29	19 52	0 39	22 50	0 42	12 44	0 44	0 52	1 37	26 19	8 32	17 17	16 58	26 13	18 23	5 9
S 5	22 8	3n30	3 54	17 20	0 38	18 31	2 46	23 54	0 29	19 49	0 39	22 50	0 42	12 43	0 44	0 52	1 37	26 18	8 32	17 17	16 59	26 12	18 23	5 9
S 6	22 0	9 24	4 36	16 47	0 29	18 44	2 44	23 56	0 30	19 46	0 39	22 50	0 42	12 42	0 44	0 52	1 37	26 18	8 32	17 16	17 0	26 11	18 22	5 9
M 7	21 51	14 44	5 3	16 14	0 20	18 57	2 42	23 58	0 31	19 43	0 39	22 50	0 42	12 41	0 44	0 51	1 38	26 17	8 32	17 16	17 1	26 10	18 22	5 10
T 8	21 42	19 19	5 15	15 41	0 11	19 10	2 39	24 0	0 31	19 40	0 39	22 50	0 42	12 40	0 44	0 51	1 38	26 17	8 32	17 17	17 1	26 9	18 22	5 10
W 9	21 32	23 0	5 12	15 8	0 1	19 22	2 37	24 2	0 32	19 37	0 39	22 50	0 42	12 39	0 44	0 51	1 38	26 16	8 32	17 17	17 2	26 8	18 22	5 10
T 10	21 23	25 37	4 55	14 35	0s 8	19 34	2 34	24 3	0 33	19 34	0 40	22 50	0 42	12 38	0 44	0 51	1 38	26 16	8 32	17 18	17 3	26 6	18 21	5 10
F 11	21 12	27 3	4 25	14 2	0 18	19 46	2 32	24 5	0 33	19 31	0 40	22 50	0 42	12 37	0 44	0 51	1 38	26 15	8 32	17 18	17 4	26 5	18 21	5 10
S 12	21 2	27 15	3 45	13 29	0 29	19 57	2 29	24 6	0 34	19 27	0 40	22 50	0 42	12 35	0 44	0 51	1 38	26 15	8 32	17 19	17 5	26 4	18 21	5 11
S 13	20 51	26 11	2 55	12 57	0 39	20 7	2 27	24 7	0 34	19 24	0 40	22 50	0 42	12 34	0 44	0 50	1 38	26 14	8 32	17 20	17 6	26 3	18 20	5 11
M14	20 39	23 57	1 57	12 25	0 50	20 18	2 24	24 8	0 35	19 21	0 40	22 50	0 42	12 33	0 44	0 50	1 38	26 14	8 32	17 20	17 7	26 2	18 20	5 11
T 15	20 28	20 40	0 54	11 53	1 1	20 28	2 21	24 8	0 36	19 18	0 40	22 50	0 42	12 32	0 44	0 50	1 38	26 13	8 32	17 20	17 8	26 0	18 19	5 11
W16	20 16	16 31	0s12	11 22	1 12	20 37	2 18	24 9	0 36	19 14	0 40	22 50	0 41	12 31	0 44	0 50	1 38	26 13	8 32	17 20	17 9	25 59	18 19	5 12
T 17	20 3	11 41	1 18	10 52	1 24	20 46	2 15	24 9	0 37	19 11	0 40	22 50	0 41	12 29	0 44	0 50	1 38	26 12	8 33	17 20	17 10	25 58	18 19	5 12
F 18	19 51	6 21	2 21	10 22	1 35	20 55	2 12	24 9	0 37	19 8	0 40	22 50	0 41	12 28	0 44	0 49	1 38	26 12	8 33	17 20	17 10	25 57	18 18	5 12
S 19	19 38	0 42	3 19	9 53	1 46	21 3	2 9	24 8	0 38	19 4	0 40	22 50	0 41	12 27	0 44	0 49	1 38	26 11	8 33	17 20	17 11	25 55	18 18	5 13
S 20	19 24	5s 5	4 8	9 25	1 58	21 10	2 6	24 8	0 39	19 1	0 40	22 50	0 41	12 26	0 44	0 49	1 38	26 11	8 33	17 20	17 12	25 54	18 17	5 13
M21	19 11	10 46	4 46	8 59	2 10	21 17	2 3	24 7	0 39	18 58	0 40	22 50	0 41	12 24	0 43	0 49	1 38	26 10	8 33	17 19	17 13	25 53	18 17	5 13
T 22	18 57	16 7	5 10	8 33	2 21	21 24	2 0	24 6	0 40	18 54	0 40	22 50	0 41	12 23	0 43	0 48	1 38	26 10	8 33	17 19	17 14	25 52	18 17	5 13
W23	18 42	20 50	5 17	8 9	2 33	21 30	1 57	24 5	0 41	18 51	0 40	22 50	0 41	12 22	0 43	0 48	1 38	26 9	8 33	17 19	17 15	25 50	18 16	5 14
T 24	18 28	24 32	5 6	7 46	2 45	21 36	1 53	24 4	0 41	18 48	0 40	22 49	0 41	12 21	0 43	0 48	1 39	26 9	8 33	17 19	17 16	25 49	18 16	5 14
F 25	18 13	26 48	4 36	7 24	2 56	21 41	1 50	24 3	0 42	18 44	0 41	22 49	0 41	12 19	0 43	0 47	1 39	26 8	8 33	17 20	17 17	25 48	18 15	5 14
S 26	17 57	27 17	3 48	7 5	3 7	21 45	1 47	24 1	0 42	18 41	0 41	22 49	0 41	12 18	0 43	0 47	1 39	26 8	8 33	17 20	17 18	25 47	18 15	5 15
S 27	17 42	25 49	2 44	6 47	3 18	21 49	1 43	23 59	0 43	18 37	0 41	22 49	0 41	12 17	0 43	0 47	1 39	26 7	8 33	17 20	17 18	25 45	18 14	5 15
M28	17 26	22 29	1 27	6 31	3 29	21 53	1 40	23 58	0 44	18 34	0 41	22 49	0 41	12 16	0 43	0 46	1 39	26 7	8 33	17 20	17 19	25 44	18 14	5 15
T 29	17 10	17 39	0 5	6 18	3 39	21 56	1 36	23 55	0 44	18 30	0 41	22 49	0 41	12 14	0 43	0 46	1 39	26 7	8 33	17 20	17 20	25 43	18 13	5 16
W30	16 54	11 48	1n17	6 7	3 49	21 58	1 33	23 53	0 45	18 27	0 41	22 49	0 41	12 13	0 43	0 45	1 39	26 6	8 33	17 20	17 21	25 41	18 13	5 16
T 31	16n37	5s24	2n32	5n58	3s58	22n 0	1s29	23n51	0n46	18n23	0n41	22n49	0s41	12n12	0n43	0n45	1s39	26n 6	8n33	17s20	17s22	25n40	18n12	5s16

Julian Day Number = 2162461.5, Delta T = 13m04s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'13, Lahiri = 12°49'13 Julian Calendar 1 July 1208 == Greg. Calendar 8 July 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

AUGUST 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 6 38	15♌14'47	24♓30	5°R 4	5♋ 1	11♋39	10♌32	3♋58	0♍ 4	5°R40	9♌50	11°R47	11♒36	11♋21	4♋18	F 1
S 2	21 10 35	16°12'33	8♈16	4♍53	6°10	12°18	10°45	4° 4	0° 8	5♈39	9°52	11♒46	11°33	11°28	4°23	S 2
S 3	21 14 31	17°10'20	21°36	4°36	7°19	12°56	10°58	4°11	0°11	5°38	9°54	11°46	11°29	11°35	4°28	S 3
M 4	21 18 28	18° 8'10	4♉32	4°13	8°28	13°35	11°11	4°17	0°15	5°37	9°56	11°45	11°26	11°41	4°33	M 4
T 5	21 22 24	19° 6'02	17° 6	3°45	9°37	14°13	11°24	4°23	0°19	5°36	9°58	11°D45	11°23	11°48	4°38	T 5
W 6	21 26 21	20° 3'55	29°22	3°11	10°46	14°52	11°37	4°30	0°23	5°35	9°59	11°45	11°20	11°54	4°43	W 6
T 7	21 30 17	21° 1'50	11♊24	2°31	11°55	15°30	11°50	4°36	0°26	5°34	10° 1	11°46	11°17	12° 1	4°48	T 7
F 8	21 34 14	21°59'47	23°18	1°47	13° 5	16° 9	12° 4	4°42	0°30	5°33	10° 3	11°47	11°13	12° 8	4°52	F 8
S 9	21 38 11	22°57'46	5♋ 7	0°59	14°14	16°47	12°17	4°48	0°34	5°31	10° 5	11°48	11°10	12°14	4°57	S 9
S 10	21 42 7	23°55'46	16°55	0° 7	15°24	17°25	12°30	4°54	0°38	5°30	10° 7	11°49	11° 7	12°21	5° 2	S 10
M11	21 46 4	24°53'49	28°47	29♌12	16°34	18° 3	12°43	5° 0	0°41	5°29	10° 9	11°50	11° 4	12°28	5° 6	M11
T 12	21 50 0	25°51'53	10♌45	28°16	17°44	18°42	12°56	5° 6	0°45	5°28	10°10	11°R50	11° 1	12°34	5°11	T 12
W13	21 53 57	26°49'59	22°51	27°19	18°54	19°20	13° 9	5°12	0°49	5°27	10°12	11°50	10°58	12°41	5°15	W13
T 14	21 57 53	27°48'06	5♍ 7	26°23	20° 4	19°58	13°22	5°18	0°53	5°26	10°14	11°49	10°54	12°48	5°20	T 14
F 15	22 1 50	28°46'15	17°35	25°29	21°14	20°36	13°34	5°24	0°56	5°24	10°16	11°47	10°51	12°54	5°24	F 15
S 16	22 5 46	29°44'26	0♎16	24°37	22°25	21°14	13°47	5°29	1° 0	5°23	10°18	11°44	10°48	13° 1	5°28	S 16
S 17	22 9 43	0♍42'39	13°10	23°51	23°35	21°52	14° 0	5°35	1° 4	5°22	10°19	11°42	10°45	13° 8	5°32	S 17
M18	22 13 40	1°40'53	26°19	23° 9	24°46	22°30	14°13	5°40	1° 8	5°20	10°21	11°39	10°42	13°14	5°37	M18
T 19	22 17 36	2°39'09	9♏42	22°34	25°56	23° 8	14°26	5°46	1°11	5°19	10°23	11°37	10°39	13°21	5°41	T 19
W20	22 21 33	3°37'26	23°20	22° 7	27° 7	23°45	14°39	5°51	1°15	5°18	10°25	11°36	10°35	13°28	5°45	W20
T 21	22 25 29	4°35'45	7♐13	21°47	28°18	24°23	14°51	5°56	1°19	5°16	10°26	11°D35	10°32	13°34	5°49	T 21
F 22	22 29 26	5°34'05	21°21	21°36	29°29	25° 1	15° 4	6° 2	1°23	5°15	10°28	11°36	10°29	13°41	5°53	F 22
S 23	22 33 22	6°32'27	5♑42	21°D34	0♌40	25°38	15°17	6° 7	1°26	5°14	10°30	11°37	10°26	13°48	5°57	S 23
S 24	22 37 19	7°30'51	20°13	21°41	1°51	26°16	15°29	6°12	1°30	5°12	10°32	11°39	10°23	13°54	6° 1	S 24
M25	22 41 15	8°29'16	4♒51	21°57	3° 2	26°53	15°42	6°17	1°34	5°11	10°33	11°R39	10°19	14° 1	6° 4	M25
T 26	22 45 12	9°27'43	19°30	22°23	4°14	27°31	15°55	6°22	1°38	5° 9	10°35	11°39	10°16	14° 8	6° 8	T 26
W27	22 49 9	10°26'12	4♓ 4	22°57	5°25	28° 8	16° 7	6°27	1°41	5° 8	10°37	11°38	10°13	14°14	6°12	W27
T 28	22 53 5	11°24'42	18°27	23°40	6°37	28°46	16°20	6°31	1°45	5° 6	10°38	11°35	10°10	14°21	6°15	T 28
F 29	22 57 2	12°23'14	2♈33	24°31	7°48	29°23	16°32	6°36	1°49	5° 5	10°40	11°31	10° 7	14°28	6°19	F 29
S 30	23 0 58	13°21'49	16°18	25°30	9° 0	0♌ 0	16°45	6°41	1°53	5° 3	10°42	11°26	10° 4	14°34	6°22	S 30
S 31	23 4 55	14♍20'26	29♈40	26♌36	10♌12	0♌38	16♌57	6♋45	1♍56	5♈ 2	10♌43	11♒21	10♒ 0	14♋41	6♋26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n20	1n 6	3n36	5n52	4s 6	22n 1	1s26	23n48	0n46	18n20	0n41	22n48	0s41	12n10	0n43	0n45	1s39	26n 5	8n34	17s20	17s23	25n39	18n12	5s17
S 2	16 3	7 21	4 25	5 49	4 14	22 2	1 22	23 45	0 47	18 16	0 41	22 48	0 41	12 9	0 43	0 44	1 39	26 5	8 34	17 20	17 24	25 37	18 11	5 17
S 3	15 45	13 3	4 58	5 49	4 20	22 2	1 19	23 42	0 47	18 13	0 41	22 48	0 41	12 8	0 43	0 44	1 39	26 4	8 34	17 20	17 25	25 36	18 11	5 17
M 4	15 28	18 1	5 15	5 52	4 26	22 1	1 15	23 39	0 48	18 9	0 41	22 48	0 41	12 6	0 43	0 43	1 39	26 4	8 34	17 20	17 26	25 35	18 10	5 18
T 5	15 10	22 3	5 16	5 59	4 30	22 0	1 12	23 35	0 49	18 6	0 41	22 48	0 41	12 5	0 43	0 43	1 39	26 4	8 34	17 20	17 26	25 33	18 10	5 18
W 6	14 51	25 1	5 3	6 8	4 33	21 58	1 8	23 32	0 49	18 2	0 42	22 48	0 40	12 4	0 43	0 43	1 39	26 3	8 34	17 20	17 27	25 32	18 9	5 19
T 7	14 33	26 48	4 36	6 21	4 34	21 56	1 5	23 28	0 50	17 59	0 42	22 47	0 40	12 2	0 43	0 42	1 39	26 3	8 34	17 20	17 28	25 30	18 9	5 19
F 8	14 14	27 20	3 58	6 37	4 34	21 53	1 1	23 24	0 50	17 55	0 42	22 47	0 40	12 1	0 43	0 42	1 39	26 2	8 34	17 20	17 29	25 29	18 8	5 19
S 9	13 55	26 36	3 10	6 56	4 32	21 50	0 57	23 20	0 51	17 52	0 42	22 47	0 40	12 0	0 43	0 41	1 39	26 2	8 34	17 20	17 30	25 28	18 8	5 20
S 10	13 36	24 41	2 14	7 18	4 28	21 46	0 54	23 15	0 52	17 48	0 42	22 47	0 40	11 58	0 43	0 41	1 39	26 2	8 34	17 19	17 31	25 26	18 7	5 20
M11	13 17	21 40	1 12	7 43	4 22	21 41	0 50	23 11	0 52	17 44	0 42	22 47	0 40	11 57	0 43	0 40	1 39	26 1	8 35	17 19	17 32	25 25	18 6	5 21
T 12	12 57	17 43	0 6	8 10	4 14	21 36	0 47	23 6	0 53	17 41	0 42	22 46	0 40	11 56	0 43	0 40	1 39	26 1	8 35	17 19	17 33	25 23	18 6	5 21
W13	12 37	13 0	1s 1	8 38	4 4	21 30	0 43	23 2	0 54	17 37	0 42	22 46	0 40	11 54	0 43	0 39	1 39	26 0	8 35	17 19	17 33	25 22	18 5	5 21
T 14	12 17	7 44	2 5	9 8	3 52	21 23	0 39	22 57	0 54	17 34	0 42	22 46	0 40	11 53	0 43	0 39	1 40	26 0	8 35	17 19	17 34	25 21	18 5	5 22
F 15	11 57	2 5	3 5	9 39	3 39	21 16	0 36	22 52	0 55	17 30	0 42	22 46	0 40	11 52	0 43	0 38	1 40	26 0	8 35	17 20	17 35	25 19	18 4	5 22
S 16	11 37	3s43	3 57	10 10	3 24	21 8	0 32	22 46	0 55	17 26	0 43	22 46	0 40	11 50	0 43	0 37	1 40	25 59	8 35	17 20	17 36	25 18	18 3	5 23
S 17	11 16	9 28	4 37	10 41	3 8	21 0	0 29	22 41	0 56	17 23	0 43	22 45	0 40	11 49	0 43	0 37	1 40	25 59	8 35	17 21	17 37	25 16	18 3	5 23
M18	10 55	14 55	5 4	11 11	2 50	20 51	0 25	22 35	0 57	17 19	0 43	22 45	0 40	11 48	0 43	0 36	1 40	25 59	8 36	17 22	17 38	25 15	18 2	5 24
T 19	10 34	19 45	5 15	11 39	2 32	20 42	0 22	22 30	0 57	17 15	0 43	22 45	0 40	11 46	0 43	0 36	1 40	25 58	8 36	17 23	17 39	25 13	18 2	5 24
W20	10 13	23 39	5 8	12 6	2 13	20 32	0 18	22 24	0 58	17 12	0 43	22 45	0 40	11 45	0 43	0 35	1 40	25 58	8 36	17 23	17 39	25 12	18 1	5 24
T 21	9 52	26 17	4 44	12 31	1 54	20 21	0 15	22 18	0 58	17 8	0 43	22 45	0 40	11 44	0 43	0 35	1 40	25 57	8 36	17 23	17 40	25 10	18 0	5 25
F 22	9 31	27 17	4 2	12 52	1 35	20 10	0 11	22 11	0 59	17 4	0 43	22 44	0 40	11 42	0 43	0 34	1 40	25 57	8 36	17 23	17 41	25 9	18 0	5 25
S 23	9 9	26 30	3 5	13 11	1 16	19 58	0 8	22 5	1 0	17 1	0 43	22 44	0 40	11 41	0 43	0 33	1 40	25 57	8 36	17 22	17 42	25 7	17 59	5 26
S 24	8 47	23 55	1 55	13 26	0 57	19 46	0 5	21 59	1 0	16 57	0 43	22 44	0 40	11 40	0 43	0 33	1 40	25 57	8 37	17 22	17 43	25 6	17 58	5 26
M25	8 25	19 45	0 37	13 38	0 39	19 33	0 1	21 52	1 1	16 53	0 44	22 44	0 40	11 38	0 43	0 32	1 40	25 56	8 37	17 22	17 44	25 4	17 58	5 27
T 26	8 3	14 22	0n43	13 47	0 21	19 19	0n 2	21 45	1 2	16 50	0 44	22 44	0 40	11 37	0 43	0 32	1 40	25 56	8 37	17 22	17 45	25 3	17 57	5 27
W27	7 41	8 12	2 0	13 51	0 5	19 5	0 5	21 38	1 2	16 46	0 44	22 43	0 40	11 36	0 43	0 31	1 40	25 56	8 37	17 22	17 46	25 1	17 56	5 28
T 28	7 19	1 42	3 8	13 52	0n11	18 50	0 9	21 31	1 3	16 43	0 44	22 43	0 40	11 34	0 43	0 30	1 40	25 55	8 37	17 23	17 46	25 0	17 56	5 28
F 29	6 57	4n44	4 3	13 48	0 26	18 35	0 12	21 24	1 3	16 39	0 44	22 43	0 40	11 33	0 43	0 30	1 40	25 55	8 38	17 24	17 47	24 58	17 55	5 29
S 30	6 34	10 47	4 43	13 41	0 39	18 19	0 15	21 17	1 4	16 35	0 44	22 43	0 40	11 32	0 43	0 29	1 40	25 55	8 38	17 26	17 48	24 57	17 54	5 29
S 31	6n11	16n10	5n 6	13n30	0n51	18n 3	0n18	21n 9	1n 5	16n32	0n44	22n43	0s40	11n30	0n43	0n29	1s40	25n55	8n38	17s27	17s49	24n55	17n54	5s30

Julian Day Number = 2162492.5, Delta T = 13m04s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'17, Lahiri = 12°49'18 Julian Calendar 1 Aug. 1208 == Greg. Calendar 8 Aug. 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

SEPTEMBER 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 8 51	15♍19'04	12♉38	27♌49	11♌24	1♌15	17♌ 9	6♋50	2♍ 0	5°R 0	10♌45	11°R16	9♒57	14♋48	6♋29	M 1
T 2	23 12 48	16°17'46	25°15	29° 7	12°36	1°52	17°21	6°54	2° 4	4♈59	10°46	11♒13	9°54	14°54	6°32	T 2
W 3	23 16 44	17°16'29	7♊32	0♍31	13°48	2°29	17°34	6°58	2° 7	4°57	10°48	11°11	9°51	15° 1	6°35	W 3
T 4	23 20 41	18°15'15	19°35	2° 0	15° 0	3° 6	17°46	7° 2	2°11	4°55	10°50	11°D10	9°48	15° 8	6°38	T 4
F 5	23 24 38	19°14'03	1♋29	3°32	16°12	3°43	17°58	7° 6	2°15	4°54	10°51	11°11	9°44	15°14	6°41	F 5
S 6	23 28 34	20°12'53	13°18	5° 8	17°25	4°20	18°10	7°10	2°18	4°52	10°53	11°13	9°41	15°21	6°44	S 6
S 7	23 32 31	21°11'46	25° 7	6°47	18°37	4°57	18°22	7°14	2°22	4°51	10°54	11°14	9°38	15°28	6°47	S 7
M 8	23 36 27	22°10'40	7♌ 2	8°29	19°50	5°33	18°34	7°18	2°26	4°49	10°56	11°R15	9°35	15°34	6°50	M 8
T 9	23 40 24	23° 9'37	19° 6	10°12	21° 2	6°10	18°46	7°22	2°29	4°47	10°57	11°15	9°32	15°41	6°53	T 9
W10	23 44 20	24° 8'37	1♍22	11°57	22°15	6°47	18°58	7°25	2°33	4°46	10°59	11°13	9°29	15°48	6°55	W10
T 11	23 48 17	25° 7'38	13°53	13°43	23°28	7°23	19°10	7°29	2°36	4°44	11° 0	11° 9	9°25	15°54	6°58	T 11
F 12	23 52 13	26° 6'41	26°40	15°30	24°40	8° 0	19°21	7°32	2°40	4°42	11° 1	11° 3	9°22	16° 1	7° 0	F 12
S 13	23 56 10	27° 5'47	9♎43	17°17	25°53	8°37	19°33	7°36	2°43	4°41	11° 3	10°55	9°19	16° 8	7° 3	S 13
S 14	0 0 6	28° 4'54	23° 1	19° 5	27° 6	9°13	19°45	7°39	2°47	4°39	11° 4	10°47	9°16	16°14	7° 5	S 14
M15	0 4 3	29° 4'04	6♏32	20°52	28°19	9°49	19°56	7°42	2°50	4°37	11° 6	10°39	9°13	16°21	7° 7	M15
T 16	0 8 0	0♎ 3'15	20°14	22°40	29°32	10°26	20° 8	7°45	2°54	4°36	11° 7	10°32	9°10	16°28	7° 9	T 16
W17	0 11 56	1° 2'28	4♐ 5	24°27	0♍45	11° 2	20°19	7°48	2°57	4°34	11° 8	10°27	9° 6	16°34	7°12	W17
T 18	0 15 53	2° 1'44	18° 4	26°14	1°59	11°38	20°30	7°51	3° 1	4°32	11°10	10°24	9° 3	16°41	7°14	T 18
F 19	0 19 49	3° 1'01	2♑ 8	28° 1	3°12	12°14	20°42	7°54	3° 4	4°31	11°11	10°D23	9° 0	16°48	7°15	F 19
S 20	0 23 46	4° 0'19	16°16	29°47	4°25	12°50	20°53	7°56	3° 7	4°29	11°12	10°24	8°57	16°54	7°17	S 20
S 21	0 27 42	4°59'40	0♒27	1♎33	5°39	13°26	21° 4	7°59	3°11	4°27	11°13	10°25	8°54	17° 1	7°19	S 21
M22	0 31 39	5°59'02	14°40	3°18	6°52	14° 2	21°15	8° 1	3°14	4°26	11°15	10°R25	8°50	17° 7	7°21	M22
T 23	0 35 35	6°58'26	28°53	5° 2	8° 6	14°38	21°26	8° 3	3°17	4°24	11°16	10°23	8°47	17°14	7°22	T 23
W24	0 39 32	7°57'52	13♓ 1	6°46	9°19	15°14	21°37	8° 6	3°21	4°22	11°17	10°20	8°44	17°21	7°24	W24
T 25	0 43 29	8°57'19	27° 2	8°29	10°33	15°50	21°48	8° 8	3°24	4°21	11°18	10°13	8°41	17°27	7°25	T 25
F 26	0 47 25	9°56'49	10♈51	10°11	11°47	16°26	21°58	8°10	3°27	4°19	11°19	10° 4	8°38	17°34	7°27	F 26
S 27	0 51 22	10°56'21	24°24	11°53	13° 0	17° 1	22° 9	8°12	3°30	4°17	11°20	9°54	8°35	17°41	7°28	S 27
S 28	0 55 18	11°55'55	7♉38	13°34	14°14	17°37	22°20	8°13	3°34	4°16	11°21	9°43	8°31	17°47	7°29	S 28
M29	0 59 15	12°55'31	20°32	15°14	15°28	18°12	22°30	8°15	3°37	4°14	11°22	9°33	8°28	17°54	7°30	M29
T 30	1 3 11	13♎55'09	3♊ 7	16♎54	16♍42	18♌48	22♌40	8♋17	3♍40	4♈12	11♌24	9♒24	8♒25	18♋ 1	7♋31	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n49	20n39	5n12	13n16	1n 3	17n46	0n21	21n 2	1n 5	16n28	0n44	22n42	0s40	11n29	0n43	0n28	1s40	25n54	8n38	17s28	17s50	24n54	17n53	5s30
T 2	5 26	24 3	5 3	12 58	1 13	17 29	0 24	20 54	1 6	16 24	0 45	22 42	0 40	11 28	0 43	0 27	1 40	25 54	8 38	17 29	17 51	24 52	17 52	5 31
W 3	5 3	26 16	4 40	12 36	1 21	17 11	0 27	20 46	1 6	16 21	0 45	22 42	0 40	11 26	0 43	0 27	1 40	25 54	8 39	17 30	17 52	24 51	17 52	5 31
T 4	4 40	27 12	4 5	12 12	1 29	16 53	0 30	20 38	1 7	16 17	0 45	22 42	0 40	11 25	0 43	0 26	1 40	25 53	8 39	17 30	17 52	24 49	17 51	5 32
F 5	4 17	26 52	3 20	11 44	1 35	16 34	0 33	20 30	1 8	16 13	0 45	22 42	0 40	11 24	0 43	0 25	1 40	25 53	8 39	17 30	17 53	24 48	17 50	5 32
S 6	3 54	25 18	2 26	11 14	1 41	16 15	0 36	20 22	1 8	16 10	0 45	22 41	0 40	11 22	0 43	0 25	1 40	25 53	8 39	17 29	17 54	24 46	17 50	5 33
S 7	3 30	22 37	1 27	10 41	1 45	15 55	0 39	20 14	1 9	16 6	0 45	22 41	0 40	11 21	0 43	0 24	1 40	25 53	8 40	17 29	17 55	24 44	17 49	5 33
M 8	3 7	18 58	0 23	10 6	1 48	15 35	0 41	20 5	1 10	16 3	0 45	22 41	0 39	11 20	0 44	0 23	1 40	25 53	8 40	17 29	17 56	24 43	17 48	5 34
T 9	2 44	14 29	0s42	9 29	1 51	15 15	0 44	19 57	1 10	15 59	0 45	22 41	0 39	11 19	0 44	0 23	1 40	25 52	8 40	17 29	17 57	24 41	17 48	5 35
W10	2 20	9 22	1 47	8 50	1 52	14 53	0 47	19 48	1 11	15 56	0 46	22 41	0 39	11 17	0 44	0 22	1 40	25 52	8 40	17 29	17 58	24 40	17 47	5 35
T 11	1 57	3 47	2 47	8 10	1 53	14 32	0 49	19 39	1 11	15 52	0 46	22 41	0 39	11 16	0 44	0 21	1 40	25 52	8 40	17 30	17 58	24 38	17 46	5 36
F 12	1 33	2s 2	3 41	7 29	1 53	14 10	0 52	19 30	1 12	15 48	0 46	22 40	0 39	11 15	0 44	0 21	1 40	25 52	8 41	17 32	17 59	24 36	17 46	5 36
S 13	1 10	7 54	4 23	6 46	1 52	13 48	0 54	19 21	1 13	15 45	0 46	22 40	0 39	11 14	0 44	0 20	1 40	25 52	8 41	17 34	18 0	24 35	17 45	5 37
S 14	0 46	13 31	4 53	6 2	1 51	13 25	0 57	19 12	1 13	15 41	0 46	22 40	0 39	11 12	0 44	0 19	1 40	25 52	8 41	17 36	18 1	24 33	17 44	5 37
M15	0 22	18 34	5 6	5 18	1 49	13 2	0 59	19 3	1 14	15 38	0 46	22 40	0 39	11 11	0 44	0 19	1 40	25 51	8 41	17 38	18 2	24 32	17 44	5 38
T 16	0s 1	22 44	5 3	4 33	1 46	12 38	1 1	18 54	1 15	15 34	0 46	22 40	0 39	11 10	0 44	0 18	1 40	25 51	8 42	17 40	18 3	24 30	17 43	5 38
W17	0 25	25 40	4 42	3 47	1 43	12 14	1 3	18 44	1 15	15 31	0 47	22 40	0 39	11 9	0 44	0 17	1 40	25 51	8 42	17 42	18 3	24 28	17 42	5 39
T 18	0 49	27 3	4 4	3 1	1 39	11 50	1 5	18 35	1 16	15 27	0 47	22 39	0 39	11 7	0 44	0 17	1 40	25 51	8 42	17 43	18 4	24 27	17 42	5 40
F 19	1 12	26 42	3 11	2 15	1 35	11 25	1 8	18 25	1 16	15 24	0 47	22 39	0 39	11 6	0 44	0 16	1 40	25 51	8 43	17 43	18 5	24 25	17 41	5 40
S 20	1 36	24 38	2 6	1 29	1 31	11 1	1 10	18 16	1 17	15 20	0 47	22 39	0 39	11 5	0 44	0 15	1 40	25 51	8 43	17 43	18 6	24 23	17 40	5 41
S 21	2 0	21 0	0 53	0 42	1 26	10 35	1 11	18 6	1 18	15 17	0 47	22 39	0 39	11 4	0 44	0 15	1 40	25 51	8 43	17 42	18 7	24 22	17 40	5 41
M22	2 23	16 8	0n23	0s 4	1 21	10 10	1 13	17 56	1 18	15 14	0 47	22 39	0 39	11 3	0 44	0 14	1 40	25 51	8 43	17 42	18 8	24 20	17 39	5 42
T 23	2 47	10 24	1 37	0 51	1 16	9 44	1 15	17 46	1 19	15 10	0 48	22 39	0 39	11 1	0 44	0 13	1 40	25 50	8 44	17 43	18 8	24 18	17 38	5 42
W24	3 10	4 9	2 45	1 37	1 11	9 18	1 17	17 36	1 20	15 7	0 48	22 39	0 39	11 0	0 44	0 13	1 40	25 50	8 44	17 44	18 9	24 17	17 38	5 43
T 25	3 34	2n13	3 42	2 23	1 5	8 51	1 19	17 26	1 20	15 4	0 48	22 39	0 39	10 59	0 44	0 12	1 40	25 50	8 44	17 46	18 10	24 15	17 37	5 44
F 26	3 57	8 23	4 26	3 9	0 59	8 25	1 20	17 16	1 21	15 0	0 48	22 38	0 39	10 58	0 44	0 11	1 40	25 50	8 44	17 48	18 11	24 13	17 36	5 44
S 27	4 21	14 2	4 53	3 54	0 53	7 58	1 22	17 6	1 21	14 57	0 48	22 38	0 39	10 57	0 44	0 11	1 40	25 50	8 45	17 51	18 12	24 12	17 36	5 45
S 28	4 44	18 54	5 3	4 39	0 47	7 30	1 23	16 55	1 22	14 54	0 48	22 38	0 39	10 56	0 44	0 10	1 40	25 50	8 45	17 54	18 13	24 10	17 35	5 45
M29	5 8	22 45	4 58	5 24	0 40	7 3	1 24	16 45	1 23	14 50	0 49	22 38	0 39	10 55	0 44	0 9	1 40	25 50	8 45	17 56	18 13	24 8	17 34	5 46
T 30	5s31	25n25	4n38	6s 9	0n34	6n35	1n26	16n35	1n23	14n47	0n49	22n38	0s39	10n53	0n44	0n 9	1s40	25n50	8n46	17s59	18s14	24n 6	17n34	5s47

Julian Day Number = 2162523.5, Delta T = 13m04s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'21, Lahiri = 12°49'22 Julian Calendar 1 Sept. 1208 == Greg. Calendar 8 Sept. 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

OCTOBER 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 7 8	14♎54'50	15♊25	18♎33	17♍56	19♌23	22♌51	8♋18	3♍43	4°R11	11♌25	9°R18	8♒22	18♋ 7	7♋32	W 1
T 2	1 11 4	15°54'33	27°28	20°11	19°10	19°58	23° 1	8°19	3°46	4♈ 9	11°26	9♒14	8°19	18°14	7°33	T 2
F 3	1 15 1	16°54'18	9♋21	21°49	20°24	20°34	23°11	8°21	3°49	4° 8	11°26	9°12	8°16	18°21	7°34	F 3
S 4	1 18 58	17°54'06	21°10	23°26	21°39	21° 9	23°21	8°22	3°52	4° 6	11°27	9°D11	8°12	18°27	7°34	S 4
S 5	1 22 54	18°53'55	2♌59	25° 3	22°53	21°44	23°31	8°23	3°55	4° 4	11°28	9°R12	8° 9	18°34	7°35	S 5
M 6	1 26 51	19°53'47	14°54	26°39	24° 7	22°19	23°41	8°24	3°58	4° 3	11°29	9°12	8° 6	18°41	7°35	M 6
T 7	1 30 47	20°53'41	27° 1	28°15	25°21	22°54	23°50	8°24	4° 1	4° 1	11°30	9°10	8° 3	18°47	7°36	T 7
W 8	1 34 44	21°53'38	9♍24	29°50	26°36	23°29	24° 0	8°25	4° 3	4° 0	11°31	9° 7	8° 0	18°54	7°36	W 8
T 9	1 38 40	22°53'36	22° 6	1♏24	27°50	24° 4	24° 9	8°26	4° 6	3°58	11°32	9° 0	7°56	19° 1	7°36	T 9
F 10	1 42 37	23°53'36	5♎ 9	2°58	29° 5	24°38	24°19	8°26	4° 9	3°56	11°32	8°51	7°53	19° 7	7°36	F 10
S 11	1 46 33	24°53'39	18°33	4°32	0♎19	25°13	24°28	8°26	4°12	3°55	11°33	8°40	7°50	19°14	7°R36	S 11
S 12	1 50 30	25°53'43	2♏16	6° 5	1°34	25°48	24°37	8°27	4°14	3°53	11°34	8°27	7°47	19°21	7°36	S 12
M13	1 54 27	26°53'50	16°14	7°38	2°48	26°22	24°46	8°R27	4°17	3°52	11°35	8°15	7°44	19°27	7°36	M13
T 14	1 58 23	27°53'58	0♐23	9°10	4° 3	26°57	24°55	8°27	4°20	3°50	11°35	8° 4	7°41	19°34	7°36	T 14
W15	2 2 20	28°54'08	14°38	10°42	5°17	27°31	25° 4	8°27	4°22	3°49	11°36	7°56	7°37	19°41	7°35	W15
T 16	2 6 16	29°54'20	28°54	12°13	6°32	28° 5	25°13	8°26	4°25	3°47	11°37	7°50	7°34	19°47	7°35	T 16
F 17	2 10 13	0♏54'33	13♑ 7	13°44	7°47	28°39	25°21	8°26	4°27	3°46	11°37	7°48	7°31	19°54	7°34	F 17
S 18	2 14 9	1°54'48	27°15	15°14	9° 2	29°13	25°30	8°26	4°30	3°44	11°38	7°47	7°28	20° 0	7°34	S 18
S 19	2 18 6	2°55'04	11♒18	16°45	10°16	29°47	25°38	8°25	4°32	3°43	11°38	7°47	7°25	20° 7	7°33	S 19
M20	2 22 2	3°55'21	25°15	18°14	11°31	0♍21	25°46	8°24	4°35	3°42	11°39	7°46	7°22	20°14	7°32	M20
T 21	2 25 59	4°55'40	9♓ 5	19°43	12°46	0°55	25°54	8°24	4°37	3°40	11°39	7°44	7°18	20°20	7°31	T 21
W22	2 29 56	5°56'01	22°48	21°12	14° 1	1°29	26° 2	8°23	4°39	3°39	11°40	7°38	7°15	20°27	7°30	W22
T 23	2 33 52	6°56'23	6♈22	22°40	15°16	2° 2	26°10	8°22	4°41	3°38	11°40	7°30	7°12	20°34	7°29	T 23
F 24	2 37 49	7°56'46	19°47	24° 8	16°31	2°36	26°18	8°21	4°44	3°36	11°41	7°19	7° 9	20°40	7°28	F 24
S 25	2 41 45	8°57'11	2♉59	25°35	17°46	3° 9	26°25	8°19	4°46	3°35	11°41	7° 6	7° 6	20°47	7°27	S 25
S 26	2 45 42	9°57'38	15°57	27° 2	19° 1	3°43	26°33	8°18	4°48	3°34	11°41	6°52	7° 2	20°54	7°26	S 26
M27	2 49 38	10°58'06	28°39	28°28	20°16	4°16	26°40	8°17	4°50	3°32	11°41	6°39	6°59	21° 0	7°24	M27
T 28	2 53 35	11°58'37	11♊ 7	29°54	21°31	4°49	26°47	8°15	4°52	3°31	11°42	6°27	6°56	21° 7	7°23	T 28
W29	2 57 31	12°59'08	23°19	1♐18	22°46	5°22	26°54	8°13	4°54	3°30	11°42	6°18	6°53	21°14	7°21	W29
T 30	3 1 28	13°59'42	5♋20	2°42	24° 1	5°55	27° 1	8°12	4°56	3°29	11°42	6°12	6°50	21°20	7°20	T 30
F 31	3 5 25	15♏ 0'17	17♋12	4♐ 5	25♎16	6♍28	27♌ 8	8♋10	4♍58	3♈28	11♌42	6♒ 8	6♒47	21♋27	7♋18	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s54	26n49	4n 6	6s53	0n27	6n 7	1n27	16n24	1n24	14n44	0n49	22n38	0s39	10n52	0n44	0n 8	1s40	25n50	8n46	18s 0	18s15	24n 5	17n33	5s47
T 2	6 17	26 54	3 23	7 36	0 21	5 39	1 28	16 13	1 25	14 41	0 49	22 38	0 39	10 51	0 44	0 7	1 40	25 50	8 46	18 2	18 16	24 3	17 32	5 48
F 3	6 40	25 44	2 32	8 19	0 14	5 11	1 29	16 3	1 25	14 38	0 49	22 38	0 39	10 50	0 44	0 7	1 40	25 50	8 46	18 2	18 17	24 1	17 32	5 48
S 4	7 3	23 26	1 35	9 2	0 8	4 42	1 30	15 52	1 26	14 34	0 50	22 38	0 39	10 49	0 44	0 6	1 40	25 50	8 47	18 2	18 18	24 0	17 31	5 49
S 5	7 26	20 7	0 33	9 44	0 1	4 14	1 31	15 41	1 27	14 31	0 50	22 38	0 39	10 48	0 44	0 5	1 40	25 50	8 47	18 2	18 18	23 58	17 31	5 50
M 6	7 49	15 57	0s30	10 25	0s 6	3 45	1 32	15 30	1 27	14 28	0 50	22 38	0 39	10 47	0 44	0 5	1 40	25 50	8 47	18 2	18 19	23 56	17 30	5 50
T 7	8 11	11 6	1 33	11 6	0 13	3 16	1 33	15 20	1 28	14 25	0 50	22 38	0 39	10 46	0 44	0 4	1 40	25 50	8 48	18 2	18 20	23 54	17 29	5 51
W 8	8 34	5 43	2 33	11 46	0 19	2 47	1 33	15 9	1 29	14 22	0 50	22 38	0 39	10 45	0 44	0 4	1 40	25 50	8 48	18 3	18 21	23 53	17 29	5 51
T 9	8 56	0s 1	3 27	12 25	0 26	2 18	1 34	14 58	1 29	14 19	0 50	22 38	0 39	10 44	0 44	0 3	1 40	25 50	8 48	18 5	18 22	23 51	17 28	5 52
F 10	9 19	5 54	4 11	13 4	0 33	1 49	1 34	14 47	1 30	14 16	0 51	22 38	0 39	10 43	0 44	0 2	1 40	25 50	8 49	18 7	18 23	23 49	17 28	5 52
S 11	9 41	11 39	4 43	13 42	0 39	1 19	1 35	14 35	1 31	14 13	0 51	22 38	0 39	10 42	0 44	0 2	1 40	25 50	8 49	18 10	18 23	23 47	17 27	5 53
S 12	10 3	16 59	4 59	14 20	0 46	0 50	1 35	14 24	1 31	14 10	0 51	22 38	0 39	10 41	0 44	0 1	1 40	25 51	8 49	18 14	18 24	23 45	17 26	5 54
M13	10 25	21 31	4 58	14 57	0 53	0 20	1 36	14 13	1 32	14 8	0 51	22 38	0 39	10 40	0 44	0 1	1 40	25 51	8 50	18 17	18 25	23 44	17 26	5 54
T 14	10 46	24 51	4 39	15 33	0 59	0s 9	1 36	14 2	1 33	14 5	0 51	22 38	0 39	10 39	0 44	0s 0	1 40	25 51	8 50	18 20	18 26	23 42	17 25	5 55
W15	11 8	26 40	4 2	16 8	1 5	0 39	1 36	13 51	1 33	14 2	0 52	22 38	0 39	10 38	0 44	0 1	1 40	25 51	8 50	18 22	18 27	23 40	17 25	5 55
T 16	11 29	26 42	3 10	16 42	1 11	1 8	1 36	13 39	1 34	13 59	0 52	22 38	0 39	10 37	0 44	0 1	1 40	25 51	8 51	18 23	18 27	23 38	17 24	5 56
F 17	11 50	25 0	2 7	17 16	1 18	1 38	1 36	13 28	1 35	13 57	0 52	22 38	0 39	10 37	0 45	0 2	1 40	25 51	8 51	18 24	18 28	23 36	17 24	5 57
S 18	12 11	21 42	0 55	17 48	1 24	2 7	1 36	13 17	1 35	13 54	0 52	22 38	0 38	10 36	0 45	0 2	1 40	25 51	8 51	18 24	18 29	23 35	17 23	5 57
S 19	12 32	17 10	0n19	18 20	1 29	2 37	1 36	13 5	1 36	13 51	0 53	22 38	0 38	10 35	0 45	0 3	1 40	25 51	8 51	18 24	18 30	23 33	17 22	5 58
M20	12 53	11 44	1 31	18 51	1 35	3 7	1 36	12 54	1 37	13 49	0 53	22 38	0 38	10 34	0 45	0 3	1 40	25 52	8 52	18 24	18 31	23 31	17 22	5 58
T 21	13 13	5 46	2 37	19 21	1 41	3 36	1 35	12 43	1 37	13 46	0 53	22 38	0 38	10 33	0 45	0 4	1 40	25 52	8 52	18 25	18 32	23 29	17 21	5 59
W22	13 33	0n24	3 34	19 50	1 46	4 5	1 35	12 31	1 38	13 44	0 53	22 38	0 38	10 32	0 45	0 4	1 40	25 52	8 52	18 26	18 32	23 27	17 21	6 0
T 23	13 53	6 29	4 17	20 18	1 51	4 35	1 35	12 20	1 39	13 41	0 53	22 38	0 38	10 32	0 45	0 5	1 40	25 52	8 53	18 29	18 33	23 25	17 20	6 0
F 24	14 13	12 11	4 46	20 46	1 56	5 4	1 34	12 8	1 39	13 39	0 54	22 39	0 38	10 31	0 45	0 5	1 40	25 52	8 53	18 31	18 34	23 23	17 20	6 1
S 25	14 33	17 14	4 59	21 12	2 1	5 33	1 34	11 57	1 40	13 36	0 54	22 39	0 38	10 30	0 45	0 6	1 40	25 53	8 53	18 35	18 35	23 22	17 19	6 1
S 26	14 52	21 24	4 56	21 36	2 5	6 3	1 33	11 45	1 41	13 34	0 54	22 39	0 38	10 29	0 45	0 6	1 40	25 53	8 54	18 38	18 36	23 20	17 19	6 2
M27	15 11	24 28	4 38	22 0	2 9	6 32	1 32	11 34	1 41	13 32	0 54	22 39	0 38	10 29	0 45	0 7	1 40	25 53	8 54	18 42	18 36	23 18	17 18	6 2
T 28	15 30	26 17	4 8	22 23	2 13	7 1	1 31	11 22	1 42	13 29	0 55	22 39	0 38	10 28	0 45	0 7	1 40	25 53	8 54	18 44	18 37	23 16	17 18	6 3
W29	15 48	26 48	3 26	22 44	2 17	7 29	1 31	11 11	1 43	13 27	0 55	22 39	0 38	10 27	0 45	0 8	1 40	25 53	8 55	18 47	18 38	23 14	17 17	6 3
T 30	16 6	26 1	2 35	23 5	2 20	7 58	1 30	10 59	1 43	13 25	0 55	22 39	0 38	10 27	0 45	0 8	1 40	25 54	8 55	18 48	18 39	23 12	17 17	6 4
F 31	16s24	24n 4	1n39	23s24	2s23	8s26	1n29	10n47	1n44	13n23	0n55	22n40	0s38	10n26	0n45	0s 9	1s40	25n54	8n55	18s49	18s40	23n10	17n17	6s 4

Julian Day Number = 2162553.5, Delta T = 13m04s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'26, Lahiri = 12°49'26 Julian Calendar 1 Oct. 1208 == Greg. Calendar 8 Oct. 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

NOVEMBER 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 9 21	16♏ 0'55	28♋59	5♐27	26♎31	7♍ 1	27♌15	8°R 8	4♍59	3°R26	11♌43	6°R 7	6♒43	21♋34	7°R16	S 1
S 2	3 13 18	17° 1'33	10♌47	6°48	27°46	7°33	27°21	8♋ 6	5° 1	3♈25	11°43	6♒ 7	6°40	21°40	7♋14	S 2
M 3	3 17 14	18° 2'14	22°41	8° 8	29° 1	8° 6	27°27	8° 3	5° 3	3°24	11°43	6° 7	6°37	21°47	7°12	M 3
T 4	3 21 11	19° 2'56	4♍47	9°26	0♏17	8°38	27°33	8° 1	5° 4	3°23	11°43	6° 6	6°34	21°54	7°10	T 4
W 5	3 25 7	20° 3'40	17°10	10°43	1°32	9°10	27°39	7°59	5° 6	3°22	11°43	6° 3	6°31	22° 0	7° 8	W 5
T 6	3 29 4	21° 4'25	29°55	11°58	2°47	9°43	27°45	7°56	5° 8	3°21	11°R43	5°57	6°27	22° 7	7° 6	T 6
F 7	3 33 0	22° 5'12	13♎ 5	13°11	4° 2	10°15	27°51	7°54	5° 9	3°20	11°43	5°49	6°24	22°13	7° 3	F 7
S 8	3 36 57	23° 6'00	26°41	14°21	5°18	10°47	27°56	7°51	5°11	3°19	11°43	5°39	6°21	22°20	7° 1	S 8
S 9	3 40 54	24° 6'50	10♏41	15°29	6°33	11°18	28° 2	7°48	5°12	3°18	11°43	5°27	6°18	22°27	6°59	S 9
M10	3 44 50	25° 7'42	25° 1	16°33	7°48	11°50	28° 7	7°45	5°13	3°17	11°43	5°16	6°15	22°33	6°56	M10
T 11	3 48 47	26° 8'34	9♐37	17°34	9° 3	12°22	28°12	7°42	5°15	3°16	11°43	5° 5	6°12	22°40	6°54	T 11
W12	3 52 43	27° 9'28	24°19	18°31	10°19	12°53	28°17	7°39	5°16	3°16	11°42	4°57	6° 8	22°47	6°51	W12
T 13	3 56 40	28°10'23	9♑ 0	19°23	11°34	13°24	28°21	7°36	5°17	3°15	11°42	4°52	6° 5	22°53	6°48	T 13
F 14	4 0 36	29°11'18	23°34	20°10	12°50	13°56	28°26	7°33	5°18	3°14	11°42	4°49	6° 2	23° 0	6°45	F 14
S 15	4 4 33	0♐12'15	7♒57	20°50	14° 5	14°27	28°30	7°29	5°19	3°13	11°42	4°D49	5°59	23° 7	6°43	S 15
S 16	4 8 29	1°13'12	22° 6	21°24	15°20	14°57	28°34	7°26	5°20	3°13	11°41	4°49	5°56	23°13	6°40	S 16
M17	4 12 26	2°14'10	6♓ 0	21°51	16°36	15°28	28°38	7°22	5°21	3°12	11°41	4°R50	5°53	23°20	6°37	M17
T 18	4 16 23	3°15'08	19°40	22° 8	17°51	15°59	28°42	7°19	5°22	3°11	11°41	4°48	5°49	23°27	6°34	T 18
W19	4 20 19	4°16'07	3♈ 6	22°R17	19° 6	16°29	28°46	7°15	5°23	3°11	11°40	4°45	5°46	23°33	6°30	W19
T 20	4 24 16	5°17'07	16°19	22°15	20°22	16°59	28°49	7°11	5°24	3°10	11°40	4°38	5°43	23°40	6°27	T 20
F 21	4 28 12	6°18'07	29°21	22° 2	21°37	17°30	28°52	7° 8	5°24	3° 9	11°40	4°30	5°40	23°47	6°24	F 21
S 22	4 32 9	7°19'08	12♉10	21°39	22°53	18° 0	28°55	7° 4	5°25	3° 9	11°39	4°20	5°37	23°53	6°21	S 22
S 23	4 36 5	8°20'10	24°48	21° 3	24° 8	18°29	28°58	7° 0	5°26	3° 8	11°39	4° 9	5°33	24° 0	6°17	S 23
M24	4 40 2	9°21'13	7♊15	20°16	25°23	18°59	29° 1	6°56	5°26	3° 8	11°38	3°58	5°30	24° 7	6°14	M24
T 25	4 43 58	10°22'16	19°30	19°19	26°39	19°29	29° 4	6°51	5°27	3° 8	11°38	3°49	5°27	24°13	6°11	T 25
W26	4 47 55	11°23'20	1♋34	18°12	27°54	19°58	29° 6	6°47	5°27	3° 7	11°37	3°42	5°24	24°20	6° 7	W26
T 27	4 51 52	12°24'25	13°30	16°58	29°10	20°27	29° 8	6°43	5°28	3° 7	11°36	3°37	5°21	24°26	6° 3	T 27
F 28	4 55 48	13°25'31	25°19	15°38	0♐25	20°56	29°10	6°39	5°28	3° 6	11°36	3°35	5°18	24°33	6° 0	F 28
S 29	4 59 45	14°26'37	7♌ 5	14°16	1°41	21°25	29°12	6°34	5°28	3° 6	11°35	3°D34	5°14	24°40	5°56	S 29
S 30	5 3 41	15♐27'44	18♌53	12♐53	2♐56	21♍54	29♌13	6♋30	5♍28	3♈ 6	11♌35	3♒35	5♒11	24♋46	5♋53	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s42	21n 4	0n38	23s41	2s25	8s55	1n28	10n36	1n45	13n21	0n55	22n40	0s38	10n25	0n45	0s 9	1s40	25n54	8n56	18s49	18s40	23n 8	17n16	6s 5
S 2	17 0	17 12	0s25	23 58	2 27	9 23	1 27	10 24	1 46	13 19	0 56	22 40	0 38	10 25	0 45	0 9	1 40	25 55	8 56	18 50	18 41	23 6	17 16	6 6
M 3	17 17	12 39	1 27	24 12	2 29	9 51	1 25	10 13	1 46	13 17	0 56	22 40	0 38	10 24	0 45	0 10	1 40	25 55	8 56	18 50	18 42	23 5	17 15	6 6
T 4	17 34	7 32	2 26	24 26	2 30	10 18	1 24	10 1	1 47	13 15	0 56	22 40	0 38	10 24	0 45	0 10	1 40	25 55	8 57	18 50	18 43	23 3	17 15	6 7
W 5	17 50	2 1	3 20	24 38	2 31	10 46	1 23	9 50	1 48	13 13	0 56	22 40	0 38	10 23	0 45	0 11	1 40	25 55	8 57	18 51	18 44	23 1	17 14	6 7
T 6	18 6	3s43	4 5	24 49	2 31	11 13	1 22	9 38	1 48	13 12	0 57	22 41	0 38	10 22	0 45	0 11	1 40	25 56	8 57	18 52	18 44	22 59	17 14	6 8
F 7	18 22	9 28	4 39	24 58	2 30	11 40	1 20	9 27	1 49	13 10	0 57	22 41	0 38	10 22	0 45	0 11	1 40	25 56	8 58	18 54	18 45	22 57	17 14	6 8
S 8	18 38	14 57	4 58	25 5	2 29	12 6	1 19	9 15	1 50	13 8	0 57	22 41	0 38	10 21	0 45	0 12	1 39	25 56	8 58	18 56	18 46	22 55	17 13	6 9
S 9	18 53	19 51	5 1	25 11	2 27	12 33	1 17	9 4	1 51	13 7	0 57	22 41	0 38	10 21	0 45	0 12	1 39	25 57	8 58	18 59	18 47	22 53	17 13	6 9
M10	19 8	23 42	4 44	25 15	2 24	12 59	1 16	8 52	1 51	13 5	0 58	22 41	0 38	10 21	0 45	0 12	1 39	25 57	8 59	19 2	18 48	22 51	17 13	6 10
T 11	19 22	26 6	4 10	25 17	2 20	13 24	1 14	8 41	1 52	13 3	0 58	22 42	0 37	10 20	0 46	0 13	1 39	25 57	8 59	19 5	18 48	22 49	17 12	6 10
W12	19 37	26 43	3 18	25 18	2 16	13 50	1 13	8 29	1 53	13 2	0 58	22 42	0 37	10 20	0 46	0 13	1 39	25 58	8 59	19 7	18 49	22 47	17 12	6 11
T 13	19 50	25 27	2 13	25 17	2 10	14 15	1 11	8 18	1 54	13 1	0 58	22 42	0 37	10 19	0 46	0 13	1 39	25 58	9 0	19 8	18 50	22 45	17 12	6 11
F 14	20 4	22 27	1 0	25 14	2 3	14 39	1 9	8 6	1 54	12 59	0 59	22 42	0 37	10 19	0 46	0 14	1 39	25 59	9 0	19 9	18 51	22 43	17 11	6 11
S 15	20 17	18 5	0n17	25 9	1 56	15 4	1 7	7 55	1 55	12 58	0 59	22 43	0 37	10 19	0 46	0 14	1 39	25 59	9 0	19 9	18 52	22 41	17 11	6 12
S 16	20 30	12 46	1 31	25 2	1 46	15 28	1 6	7 44	1 56	12 57	0 59	22 43	0 37	10 18	0 46	0 14	1 39	25 59	9 1	19 8	18 52	22 39	17 11	6 12
M17	20 42	6 54	2 38	24 53	1 36	15 51	1 4	7 33	1 57	12 56	0 59	22 43	0 37	10 18	0 46	0 14	1 39	26 0	9 1	19 8	18 53	22 37	17 10	6 13
T 18	20 54	0 48	3 36	24 43	1 24	16 14	1 2	7 21	1 57	12 55	1 0	22 43	0 37	10 18	0 46	0 14	1 39	26 0	9 1	19 9	18 54	22 35	17 10	6 13
W19	21 5	5n12	4 20	24 30	1 11	16 37	1 0	7 10	1 58	12 54	1 0	22 44	0 37	10 17	0 46	0 15	1 39	26 1	9 2	19 10	18 55	22 33	17 10	6 14
T 20	21 17	10 54	4 49	24 15	0 57	16 59	0 58	6 59	1 59	12 53	1 0	22 44	0 37	10 17	0 46	0 15	1 39	26 1	9 2	19 11	18 55	22 31	17 10	6 14
F 21	21 27	16 1	5 3	23 59	0 41	17 21	0 56	6 48	2 0	12 52	1 1	22 44	0 37	10 17	0 46	0 15	1 39	26 1	9 2	19 13	18 56	22 29	17 9	6 14
S 22	21 38	20 20	5 2	23 40	0 23	17 42	0 54	6 37	2 1	12 51	1 1	22 45	0 37	10 17	0 46	0 15	1 39	26 2	9 3	19 16	18 57	22 27	17 9	6 15
S 23	21 47	23 40	4 45	23 19	0 5	18 3	0 52	6 26	2 1	12 50	1 1	22 45	0 37	10 16	0 46	0 15	1 39	26 2	9 3	19 18	18 58	22 25	17 9	6 15
M24	21 57	25 49	4 16	22 57	0n14	18 24	0 49	6 15	2 2	12 49	1 1	22 45	0 37	10 16	0 46	0 16	1 39	26 3	9 3	19 21	18 59	22 23	17 9	6 15
T 25	22 6	26 41	3 34	22 32	0 35	18 44	0 47	6 4	2 3	12 49	1 2	22 45	0 37	10 16	0 46	0 16	1 39	26 3	9 3	19 23	18 59	22 21	17 8	6 16
W26	22 15	26 16	2 43	22 6	0 55	19 3	0 45	5 53	2 4	12 48	1 2	22 46	0 36	10 16	0 46	0 16	1 39	26 4	9 4	19 25	19 0	22 19	17 8	6 16
T 27	22 23	24 37	1 46	21 40	1 15	19 22	0 43	5 42	2 5	12 48	1 2	22 46	0 36	10 16	0 46	0 16	1 39	26 4	9 4	19 26	19 1	22 17	17 8	6 17
F 28	22 31	21 54	0 44	21 12	1 34	19 40	0 41	5 32	2 5	12 47	1 2	22 46	0 36	10 16	0 46	0 16	1 39	26 5	9 4	19 26	19 2	22 15	17 8	6 17
S 29	22 38	18 16	0s19	20 45	1 52	19 58	0 38	5 21	2 6	12 47	1 3	22 47	0 36	10 16	0 46	0 16	1 39	26 5	9 5	19 26	19 2	22 13	17 8	6 17
S 30	22s45	13n56	1s22	20s19	2n 9	20s15	0n36	5n10	2n 7	12n47	1n 3	22n47	0s36	10n16	0n46	0s16	1s38	26n 5	9n 5	19s26	19s 3	22n11	17n 8	6s17

Julian Day Number = 2162584.5, Delta T = 13m03s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'30, Lahiri = 12°49'30 Julian Calendar 1 Nov. 1208 == Greg. Calendar 8 Nov. 1208

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ASTRODIENST EPHEMERIS for the year 1208
geocentric

DECEMBER 1208 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 7 38	16♐28'52	0♍46	11°R33	4♐12	22♍22	29♌15	6°R26	5♍29	3°R 6	11°R34	3♒37	5♒ 8	24♋53	5°R49	M 1
T 2	5 11 34	17°30'01	12°49	10♐19	5°27	22°51	29°16	6♋21	5°29	3♈ 5	11♌33	3°R38	5° 5	25° 0	5♋45	T 2
W 3	5 15 31	18°31'10	25° 9	9°12	6°43	23°19	29°17	6°16	5°29	3° 5	11°32	3°38	5° 2	25° 6	5°41	W 3
T 4	5 19 27	19°32'20	7♎50	8°14	7°58	23°47	29°18	6°12	5°R29	3° 5	11°32	3°36	4°59	25°13	5°37	T 4
F 5	5 23 24	20°33'31	20°56	7°26	9°14	24°14	29°19	6° 7	5°29	3° 5	11°31	3°32	4°55	25°20	5°34	F 5
S 6	5 27 21	21°34'42	4♏30	6°48	10°29	24°42	29°19	6° 2	5°29	3° 5	11°30	3°27	4°52	25°26	5°30	S 6
S 7	5 31 17	22°35'54	18°33	6°22	11°44	25° 9	29°19	5°58	5°29	3°D 5	11°29	3°20	4°49	25°33	5°26	S 7
M 8	5 35 14	23°37'06	3♐ 1	6° 6	13° 0	25°36	29°R19	5°53	5°28	3° 5	11°28	3°13	4°46	25°40	5°22	M 8
T 9	5 39 10	24°38'19	17°50	6°D 0	14°15	26° 3	29°19	5°48	5°28	3° 5	11°27	3° 7	4°43	25°46	5°18	T 9
W10	5 43 7	25°39'32	2♑52	6° 3	15°31	26°30	29°19	5°43	5°28	3° 5	11°26	3° 3	4°39	25°53	5°14	W10
T 11	5 47 3	26°40'45	17°56	6°15	16°46	26°56	29°18	5°39	5°27	3° 5	11°26	3° 0	4°36	26° 0	5°10	T 11
F 12	5 51 0	27°41'58	2♒55	6°36	18° 2	27°22	29°18	5°34	5°27	3° 5	11°25	2°D59	4°33	26° 6	5° 6	F 12
S 13	5 54 57	28°43'11	17°41	7° 3	19°17	27°48	29°17	5°29	5°26	3° 6	11°24	3° 0	4°30	26°13	5° 2	S 13
S 14	5 58 53	29°44'23	2♓ 8	7°37	20°33	28°14	29°15	5°24	5°26	3° 6	11°23	3° 1	4°27	26°19	4°58	S 14
M15	6 2 50	0♑45'35	16°13	8°17	21°48	28°39	29°14	5°19	5°25	3° 6	11°22	3° 3	4°24	26°26	4°54	M15
T 16	6 6 46	1°46'47	29°56	9° 2	23° 4	29° 4	29°13	5°14	5°24	3° 6	11°21	3°R 3	4°20	26°33	4°49	T 16
W17	6 10 43	2°47'58	13♈19	9°52	24°19	29°29	29°11	5° 9	5°24	3° 7	11°19	3° 3	4°17	26°39	4°45	W17
T 18	6 14 39	3°49'09	26°23	10°46	25°35	29°54	29° 9	5° 4	5°23	3° 7	11°18	3° 1	4°14	26°46	4°41	T 18
F 19	6 18 36	4°50'20	9♉10	11°44	26°50	0♎18	29° 7	4°59	5°22	3° 8	11°17	2°58	4°11	26°53	4°37	F 19
S 20	6 22 32	5°51'30	21°43	12°45	28° 6	0°43	29° 5	4°54	5°21	3° 8	11°16	2°53	4° 8	26°59	4°33	S 20
S 21	6 26 29	6°52'40	4♊ 3	13°49	29°21	1° 6	29° 2	4°49	5°20	3° 8	11°15	2°49	4° 5	27° 6	4°29	S 21
M22	6 30 26	7°53'49	16°14	14°56	0♑37	1°30	29° 0	4°44	5°19	3° 9	11°14	2°44	4° 1	27°13	4°25	M22
T 23	6 34 22	8°54'58	28°16	16° 5	1°52	1°53	28°57	4°39	5°18	3° 9	11°13	2°40	3°58	27°19	4°21	T 23
W24	6 38 19	9°56'07	10♋12	17°16	3° 7	2°16	28°54	4°34	5°17	3°10	11°12	2°38	3°55	27°26	4°17	W24
T 25	6 42 15	10°57'15	22° 2	18°29	4°23	2°39	28°50	4°29	5°16	3°11	11°10	2°36	3°52	27°33	4°12	T 25
F 26	6 46 12	11°58'23	3♌50	19°44	5°38	3° 1	28°47	4°25	5°15	3°11	11° 9	2°D35	3°49	27°39	4° 8	F 26
S 27	6 50 8	12°59'30	15°37	21° 0	6°54	3°23	28°44	4°20	5°14	3°12	11° 8	2°36	3°45	27°46	4° 4	S 27
S 28	6 54 5	14° 0'37	27°27	22°18	8° 9	3°45	28°40	4°15	5°12	3°13	11° 7	2°37	3°42	27°53	4° 0	S 28
M29	6 58 1	15° 1'43	9♍22	23°37	9°25	4° 6	28°36	4°10	5°11	3°13	11° 5	2°39	3°39	27°59	3°56	M29
T 30	7 1 58	16° 2'49	21°27	24°58	10°40	4°27	28°32	4° 5	5°10	3°14	11° 4	2°40	3°36	28° 6	3°52	T 30
W31	7 5 55	17♑ 3'55	3♎45	26♐19	11♑55	4♎48	28♌27	4♋ 0	5♍ 8	3♈15	11♌ 3	2♒42	3♒33	28♋12	3♋48	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s51	9n 2	2s22	19s54	2n23	20s32	0n34	5n 0	2n 8	12n46	1n 3	22n47	0s36	10n16	0n46	0s16	1s38	26n 6	9n 5	19s26	19s 4	22n 9	17n 7	6s18
T 2	22 57	3 45	3 16	19 31	2 36	20 48	0 31	4 49	2 9	12 46	1 4	22 47	0 36	10 16	0 46	0 16	1 38	26 6	9 6	19 26	19 5	22 7	17 7	6 18
W 3	23 3	1s47	4 3	19 12	2 46	21 3	0 29	4 39	2 9	12 46	1 4	22 48	0 36	10 16	0 46	0 16	1 38	26 7	9 6	19 26	19 6	22 5	17 7	6 18
T 4	23 8	7 24	4 40	18 55	2 53	21 18	0 27	4 29	2 10	12 46	1 4	22 48	0 36	10 16	0 47	0 16	1 38	26 7	9 6	19 26	19 6	22 3	17 7	6 19
F 5	23 12	12 52	5 3	18 43	2 58	21 32	0 24	4 18	2 11	12 46	1 4	22 48	0 36	10 16	0 47	0 16	1 38	26 8	9 6	19 27	19 7	22 1	17 7	6 19
S 6	23 16	17 56	5 10	18 34	3 1	21 45	0 22	4 8	2 12	12 46	1 5	22 49	0 36	10 16	0 47	0 16	1 38	26 8	9 7	19 28	19 8	21 58	17 7	6 19
S 7	23 20	22 12	4 59	18 28	3 3	21 58	0 19	3 58	2 13	12 46	1 5	22 49	0 36	10 16	0 47	0 16	1 38	26 9	9 7	19 30	19 9	21 56	17 7	6 19
M 8	23 23	25 15	4 30	18 26	3 2	22 11	0 17	3 48	2 14	12 47	1 5	22 49	0 35	10 16	0 47	0 16	1 38	26 9	9 7	19 31	19 9	21 54	17 7	6 20
T 9	23 26	26 39	3 41	18 27	3 0	22 22	0 14	3 38	2 15	12 47	1 5	22 50	0 35	10 16	0 47	0 16	1 38	26 10	9 8	19 33	19 10	21 52	17 7	6 20
W10	23 28	26 8	2 37	18 31	2 56	22 33	0 12	3 28	2 15	12 47	1 6	22 50	0 35	10 16	0 47	0 16	1 38	26 10	9 8	19 34	19 11	21 50	17 7	6 20
T 11	23 30	23 41	1 21	18 38	2 52	22 43	0 10	3 18	2 16	12 48	1 6	22 50	0 35	10 17	0 47	0 16	1 38	26 11	9 8	19 34	19 12	21 48	17 7	6 20
F 12	23 31	19 36	0 0	18 47	2 46	22 53	0 7	3 9	2 17	12 48	1 6	22 50	0 35	10 17	0 47	0 16	1 38	26 12	9 8	19 35	19 12	21 46	17 7	6 20
S 13	23 32	14 20	1n20	18 57	2 40	23 2	0 5	2 59	2 18	12 49	1 7	22 51	0 35	10 17	0 47	0 16	1 38	26 12	9 9	19 34	19 13	21 44	17 7	6 21
S 14	23 33	8 23	2 33	19 10	2 33	23 10	0 2	2 50	2 19	12 49	1 7	22 51	0 35	10 17	0 47	0 15	1 38	26 13	9 9	19 34	19 14	21 42	17 7	6 21
M15	23 32	2 10	3 35	19 23	2 25	23 17	0s 0	2 41	2 20	12 50	1 7	22 51	0 35	10 18	0 47	0 15	1 38	26 13	9 9	19 34	19 15	21 40	17 7	6 21
T 16	23 32	3n59	4 23	19 38	2 18	23 24	0 3	2 31	2 21	12 51	1 7	22 52	0 35	10 18	0 47	0 15	1 38	26 14	9 9	19 34	19 15	21 37	17 7	6 21
W17	23 31	9 48	4 55	19 54	2 9	23 30	0 5	2 22	2 22	12 52	1 8	22 52	0 35	10 18	0 47	0 15	1 38	26 14	9 10	19 34	19 16	21 35	17 7	6 21
T 18	23 29	15 3	5 11	20 10	2 1	23 36	0 7	2 13	2 23	12 53	1 8	22 52	0 34	10 18	0 47	0 15	1 38	26 15	9 10	19 34	19 17	21 33	17 7	6 21
F 19	23 27	19 32	5 12	20 26	1 52	23 40	0 10	2 4	2 24	12 54	1 8	22 53	0 34	10 19	0 47	0 15	1 38	26 15	9 10	19 35	19 18	21 31	17 7	6 21
S 20	23 25	23 3	4 57	20 43	1 44	23 44	0 12	1 55	2 24	12 55	1 8	22 53	0 34	10 19	0 47	0 14	1 37	26 16	9 10	19 36	19 18	21 29	17 7	6 21
S 21	23 22	25 27	4 28	20 59	1 35	23 47	0 15	1 47	2 25	12 56	1 9	22 53	0 34	10 20	0 47	0 14	1 37	26 16	9 11	19 37	19 19	21 27	17 7	6 21
M22	23 18	26 37	3 48	21 16	1 26	23 49	0 17	1 38	2 26	12 57	1 9	22 53	0 34	10 20	0 47	0 14	1 37	26 17	9 11	19 38	19 20	21 24	17 7	6 21
T 23	23 15	26 30	2 58	21 32	1 17	23 51	0 19	1 30	2 27	12 58	1 9	22 54	0 34	10 20	0 47	0 14	1 37	26 18	9 11	19 39	19 21	21 22	17 7	6 22
W24	23 10	25 9	2 0	21 48	1 8	23 52	0 22	1 22	2 28	13 0	1 10	22 54	0 34	10 21	0 47	0 13	1 37	26 18	9 11	19 40	19 21	21 20	17 7	6 22
T 25	23 5	22 41	0 58	22 3	0 59	23 52	0 24	1 13	2 29	13 1	1 10	22 54	0 34	10 21	0 47	0 13	1 37	26 19	9 11	19 40	19 22	21 18	17 7	6 22
F 26	23 0	19 16	0s 7	22 18	0 51	23 52	0 26	1 5	2 30	13 2	1 10	22 55	0 34	10 22	0 47	0 13	1 37	26 19	9 12	19 40	19 23	21 16	17 7	6 22
S 27	22 54	15 5	1 11	22 32	0 42	23 50	0 28	0 57	2 31	13 4	1 10	22 55	0 33	10 22	0 48	0 12	1 37	26 20	9 12	19 40	19 24	21 14	17 7	6 22
S 28	22 48	10 20	2 13	22 46	0 33	23 48	0 31	0 50	2 32	13 6	1 11	22 55	0 33	10 23	0 48	0 12	1 37	26 20	9 12	19 40	19 24	21 11	17 8	6 22
M29	22 42	5 10	3 10	22 58	0 25	23 45	0 33	0 42	2 33	13 7	1 11	22 55	0 33	10 23	0 48	0 12	1 37	26 21	9 12	19 39	19 25	21 9	17 8	6 22
T 30	22 34	0s15	3 59	23 10	0 17	23 42	0 35	0 34	2 34	13 9	1 11	22 56	0 33	10 24	0 48	0 11	1 37	26 21	9 12	19 39	19 26	21 7	17 8	6 22
W31	22s27	5s45	4s38	23s21	0n 9	23s37	0s37	0n27	2n35	13n11	1n11	22n56	0s33	10n24	0n48	0s11	1s37	26n22	9n13	19s39	19s27	21n 5	17n 8	6s21

Julian Day Number = 2162614.5, Delta T = 13m03s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'34, Lahiri = 12°49'34 Julian Calendar 1 Dec. 1208 == Greg. Calendar 8 Dec. 1208

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

JANUARY 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 51	18♉ 5'00	16♎22	27♐42	13♉11	5♎ 9	28°R23	3°R56	5°R 7	3♈16	11°R 1	2°R42	3♒30	28♋19	3°R44	T 1
F 2	7 13 48	19° 6'05	29°21	29° 5	14°26	5°28	28♏18	3♋51	5♍ 5	3°17	11♏ 0	2♒42	3°26	28°26	3♋40	F 2
S 3	7 17 44	20° 7'10	12♏46	0♉30	15°42	5°48	28°14	3°46	5° 4	3°18	10°59	2°41	3°23	28°32	3°36	S 3
S 4	7 21 41	21° 8'14	26°39	1°55	16°57	6° 7	28° 9	3°42	5° 2	3°19	10°57	2°40	3°20	28°39	3°33	S 4
M 5	7 25 37	22° 9'17	10♐58	3°21	18°12	6°26	28° 4	3°37	5° 0	3°20	10°56	2°38	3°17	28°46	3°29	M 5
T 6	7 29 34	23°10'20	25°42	4°48	19°28	6°45	27°58	3°33	4°59	3°21	10°55	2°37	3°14	28°52	3°25	T 6
W 7	7 33 31	24°11'23	10♉45	6°16	20°43	7° 3	27°53	3°28	4°57	3°22	10°53	2°36	3°11	28°59	3°21	W 7
T 8	7 37 27	25°12'24	25°58	7°45	21°58	7°20	27°47	3°24	4°55	3°23	10°52	2°D36	3° 7	29° 6	3°17	T 8
F 9	7 41 24	26°13'25	11♒11	9°14	23°14	7°37	27°42	3°19	4°53	3°24	10°51	2°36	3° 4	29°12	3°14	F 9
S 10	7 45 20	27°14'24	26°15	10°44	24°29	7°54	27°36	3°15	4°52	3°25	10°49	2°36	3° 1	29°19	3°10	S 10
S 11	7 49 17	28°15'22	11♓ 1	12°15	25°44	8°10	27°30	3°11	4°50	3°26	10°48	2°36	2°58	29°26	3° 7	S 11
M12	7 53 13	29°16'19	25°24	13°46	27° 0	8°26	27°24	3° 6	4°48	3°27	10°46	2°37	2°55	29°32	3° 3	M12
T 13	7 57 10	0♈17'14	9♈21	15°18	28°15	8°42	27°17	3° 2	4°46	3°28	10°45	2°37	2°51	29°39	2°59	T 13
W14	8 1 6	1°18'08	22°51	16°51	29°30	8°57	27°11	2°58	4°44	3°30	10°43	2°37	2°48	29°46	2°56	W14
T 15	8 5 3	2°19'00	5♉57	18°25	0♈46	9°11	27° 5	2°54	4°42	3°31	10°42	2°37	2°45	29°52	2°53	T 15
F 16	8 9 0	3°19'52	18°40	19°59	2° 1	9°25	26°58	2°50	4°40	3°32	10°41	2°37	2°42	29°59	2°49	F 16
S 17	8 12 56	4°20'41	1♊ 6	21°34	3°16	9°38	26°51	2°46	4°37	3°34	10°39	2°37	2°39	0♏ 5	2°46	S 17
S 18	8 16 53	5°21'30	13°17	23°10	4°31	9°51	26°44	2°43	4°35	3°35	10°38	2°38	2°36	0°12	2°43	S 18
M19	8 20 49	6°22'16	25°17	24°47	5°47	10° 4	26°37	2°39	4°33	3°36	10°36	2°38	2°32	0°19	2°40	M19
T 20	8 24 46	7°23'02	7♋10	26°24	7° 2	10°15	26°30	2°35	4°31	3°38	10°35	2°39	2°29	0°25	2°36	T 20
W21	8 28 42	8°23'45	18°59	28° 2	8°17	10°27	26°23	2°32	4°29	3°39	10°33	2°39	2°26	0°32	2°33	W21
T 22	8 32 39	9°24'28	0♏46	29°41	9°32	10°38	26°16	2°28	4°26	3°41	10°32	2°R39	2°23	0°39	2°30	T 22
F 23	8 36 35	10°25'09	12°35	1♒21	10°48	10°48	26° 9	2°25	4°24	3°42	10°30	2°39	2°20	0°45	2°28	F 23
S 24	8 40 32	11°25'48	24°26	3° 2	12° 3	10°57	26° 1	2°22	4°22	3°44	10°29	2°38	2°17	0°52	2°25	S 24
S 25	8 44 29	12°26'26	6♍22	4°43	13°18	11° 6	25°54	2°19	4°19	3°45	10°28	2°37	2°13	0°59	2°22	S 25
M26	8 48 25	13°27'03	18°26	6°26	14°33	11°15	25°46	2°15	4°17	3°47	10°26	2°36	2°10	1° 5	2°19	M26
T 27	8 52 22	14°27'38	0♎38	8° 9	15°48	11°23	25°39	2°12	4°15	3°48	10°25	2°34	2° 7	1°12	2°17	T 27
W28	8 56 18	15°28'12	13° 3	9°53	17° 3	11°30	25°31	2° 9	4°12	3°50	10°23	2°32	2° 4	1°19	2°14	W28
T 29	9 0 15	16°28'44	25°43	11°38	18°18	11°36	25°24	2° 7	4°10	3°52	10°22	2°31	2° 1	1°25	2°11	T 29
F 30	9 4 11	17°29'16	8♏40	13°24	19°34	11°42	25°16	2° 4	4° 7	3°53	10°20	2°30	1°57	1°32	2° 9	F 30
S 31	9 8 8	18♒29'46	21♏58	15♒10	20♒49	11♎48	25♏ 8	2♋ 1	4♍ 5	3♈55	10♏19	2°D30	1♒54	1♏38	2♋ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s19	11s 8	5s 4	23s31	0n 1	23s32	0s39	0n20	2n36	13n12	1n12	22n56	0s33	10n25	0n48	0s11	1s37	26n23	9n13	19s38	19s27	21n 3	17n 8	6s21	T 1
F 2	22 11	16 13	5 17	23 40	0s 7	23 27	0 42	0 13	2 37	13 14	1 12	22 56	0 33	10 26	0 48	0 10	1 37	26 23	9 13	19 39	19 28	21 0	17 8	6 21	F 2
S 3	22 2	20 41	5 12	23 47	0 15	23 20	0 44	0 6	2 38	13 16	1 12	22 57	0 33	10 26	0 48	0 10	1 37	26 24	9 13	19 39	19 29	20 58	17 9	6 21	S 3
S 4	21 52	24 11	4 50	23 54	0 22	23 13	0 46	0s 1	2 39	13 18	1 12	22 57	0 32	10 27	0 48	0 9	1 37	26 24	9 13	19 39	19 30	20 56	17 9	6 21	S 4
M 5	21 43	26 18	4 9	24 0	0 30	23 5	0 48	0 7	2 40	13 20	1 13	22 57	0 32	10 27	0 48	0 9	1 37	26 25	9 14	19 39	19 30	20 54	17 9	6 21	M 5
T 6	21 33	26 39	3 11	24 4	0 37	22 57	0 50	0 14	2 41	13 22	1 13	22 58	0 32	10 28	0 48	0 9	1 37	26 25	9 14	19 40	19 31	20 51	17 9	6 21	T 6
W 7	21 22	25 4	1 59	24 7	0 43	22 47	0 51	0 20	2 42	13 24	1 13	22 58	0 32	10 29	0 48	0 8	1 37	26 26	9 14	19 40	19 32	20 49	17 9	6 21	W 7
T 8	21 11	21 39	0 37	24 9	0 50	22 37	0 53	0 26	2 43	13 26	1 13	22 58	0 32	10 29	0 48	0 8	1 37	26 26	9 14	19 40	19 33	20 47	17 10	6 21	T 8
F 9	21 0	16 44	0n48	24 10	0 57	22 26	0 55	0 32	2 44	13 29	1 13	22 58	0 32	10 30	0 48	0 7	1 36	26 27	9 14	19 40	19 33	20 45	17 10	6 21	F 9
S 10	20 48	10 49	2 8	24 9	1 3	22 15	0 57	0 37	2 45	13 31	1 14	22 58	0 32	10 31	0 48	0 7	1 36	26 27	9 14	19 40	19 34	20 42	17 10	6 20	S 10
S 11	20 36	4 25	3 18	24 7	1 9	22 3	0 59	0 43	2 46	13 33	1 14	22 59	0 32	10 32	0 48	0 6	1 36	26 28	9 14	19 40	19 35	20 40	17 10	6 20	S 11
M12	20 23	2n 2	4 14	24 4	1 14	21 50	1 0	0 48	2 47	13 35	1 14	22 59	0 31	10 32	0 48	0 6	1 36	26 29	9 15	19 40	19 36	20 38	17 11	6 20	M12
T 13	20 11	8 12	4 52	23 59	1 20	21 37	1 2	0 53	2 48	13 38	1 14	22 59	0 31	10 33	0 48	0 5	1 36	26 29	9 15	19 40	19 36	20 36	17 11	6 20	T 13
W14	19 57	13 46	5 14	23 53	1 25	21 23	1 4	0 58	2 49	13 40	1 15	22 59	0 31	10 34	0 48	0 5	1 36	26 30	9 15	19 40	19 37	20 33	17 11	6 20	W14
T 15	19 44	18 33	5 18	23 45	1 30	21 8	1 5	1 3	2 50	13 43	1 15	23 0	0 31	10 35	0 48	0 4	1 36	26 30	9 15	19 40	19 38	20 31	17 11	6 19	T 15
F 16	19 30	22 21	5 6	23 36	1 34	20 53	1 7	1 8	2 51	13 45	1 15	23 0	0 31	10 35	0 48	0 3	1 36	26 31	9 15	19 40	19 39	20 29	17 12	6 19	F 16
S 17	19 15	25 2	4 40	23 26	1 39	20 37	1 8	1 12	2 52	13 47	1 15	23 0	0 31	10 36	0 48	0 3	1 36	26 31	9 15	19 40	19 39	20 27	17 12	6 19	S 17
S 18	19 1	26 29	4 2	23 14	1 43	20 20	1 10	1 16	2 53	13 50	1 15	23 0	0 31	10 37	0 48	0 2	1 36	26 32	9 15	19 39	19 40	20 24	17 12	6 19	S 18
M19	18 46	26 41	3 13	23 1	1 47	20 3	1 11	1 20	2 54	13 53	1 16	23 1	0 30	10 38	0 48	0 2	1 36	26 32	9 15	19 39	19 41	20 22	17 13	6 19	M19
T 20	18 30	25 38	2 17	22 46	1 50	19 46	1 12	1 24	2 55	13 55	1 16	23 1	0 30	10 39	0 48	0 1	1 36	26 33	9 15	19 39	19 41	20 20	17 13	6 18	T 20
W21	18 15	23 26	1 15	22 29	1 53	19 27	1 14	1 27	2 56	13 58	1 16	23 1	0 30	10 40	0 48	0 0	1 36	26 33	9 16	19 39	19 42	20 17	17 13	6 18	W21
T 22	17 59	20 14	0 10	22 11	1 56	19 9	1 15	1 31	2 57	14 0	1 16	23 1	0 30	10 40	0 48	0n 0	1 36	26 34	9 16	19 39	19 43	20 15	17 13	6 18	T 22
F 23	17 42	16 14	0s55	21 52	1 58	18 49	1 16	1 34	2 58	14 3	1 16	23 1	0 30	10 41	0 48	0 1	1 36	26 34	9 16	19 39	19 44	20 13	17 14	6 17	F 23
S 24	17 26	11 35	1 58	21 31	2 0	18 29	1 17	1 37	2 59	14 6	1 16	23 2	0 30	10 42	0 48	0 1	1 36	26 35	9 16	19 39	19 44	20 11	17 14	6 17	S 24
S 25	17 9	6 29	2 57	21 8	2 2	18 9	1 18	1 39	3 0	14 8	1 16	23 2	0 30	10 43	0 48	0 2	1 36	26 35	9 16	19 40	19 45	20 8	17 15	6 17	S 25
M26	16 51	1 6	3 48	20 44	2 3	17 48	1 19	1 42	3 1	14 11	1 17	23 2	0 29	10 44	0 48	0 3	1 36	26 36	9 16	19 40	19 46	20 6	17 15	6 17	M26
T 27	16 34	4s22	4 29	20 18	2 4	17 26	1 20	1 44	3 2	14 14	1 17	23 2	0 29	10 45	0 48	0 3	1 36	26 36	9 16	19 40	19 46	20 4	17 15	6 16	T 27
W28	16 16	9 45	4 59	19 51	2 5	17 5	1 21	1 46	3 3	14 17	1 17	23 2	0 29	10 46	0 48	0 4	1 36	26 37	9 16	19 41	19 47	20 1	17 16	6 16	W28
T 29	15 58	14 51	5 15	19 22	2 5	16 42	1 22	1 47	3 4	14 19	1 17	23 3	0 29	10 47	0 48	0 5	1 36	26 37	9 16	19 41	19 48	19 59	17 16	6 16	T 29
F 30	15 40	19 25	5 15	18 51	2 4	16 19	1 22	1 49	3 5	14 22	1 17	23 3	0 29	10 47	0 48	0 5	1 36	26 38	9 16	19 41	19 49	19 57	17 16	6 15	F 30
S 31	15s21	23s 8	4s59	18s19	2s 3	15s56	1s23	1s50	3n 6	14n25	1n17	23n 3	0s29	10n48	0n48	0n 6	1s36	26n38	9n16	19s41	19s49	19n54	17n17	6s15	S 31

Julian Day Number = 2162645.5, Delta T = 13m03s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'38, Lahiri = 12°49'39 Julian Calendar 1 Jan. 1209 == Greg. Calendar 8 Jan. 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

FEBRUARY 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 4	19♒30'15	5♐38	16♒58	22♒ 4	11♎52	25°R 0	1°R59	4°R 2	3♈57	10°R17	2♒30	1♒51	1♌45	2°R 4	S 1
M 2	9 16 1	20°30'42	19°42	18°47	23°19	11°56	24♌52	1♋56	4♍ 0	3°59	10♌16	2°32	1°48	1°52	2♋ 2	M 2
T 3	9 19 58	21°31'08	4♑ 9	20°36	24°34	11°59	24°45	1°54	3°57	4° 0	10°14	2°33	1°45	1°58	2° 0	T 3
W 4	9 23 54	22°31'33	18°56	22°26	25°49	12° 2	24°37	1°52	3°55	4° 2	10°13	2°34	1°42	2° 5	1°58	W 4
T 5	9 27 51	23°31'56	3♒57	24°18	27° 4	12° 4	24°29	1°50	3°52	4° 4	10°12	2°R34	1°38	2°12	1°56	T 5
F 6	9 31 47	24°32'18	19° 5	26°10	28°19	12° 5	24°21	1°47	3°50	4° 6	10°10	2°34	1°35	2°18	1°54	F 6
S 7	9 35 44	25°32'37	4♓11	28° 3	29°34	12°R 5	24°13	1°46	3°47	4° 8	10° 9	2°32	1°32	2°25	1°52	S 7
S 8	9 39 40	26°32'55	19° 5	29°56	0♓49	12° 5	24° 5	1°44	3°45	4°10	10° 7	2°29	1°29	2°32	1°51	S 8
M 9	9 43 37	27°33'11	3♈39	1♓50	2° 4	12° 4	23°57	1°42	3°42	4°11	10° 6	2°25	1°26	2°38	1°49	M 9
T 10	9 47 33	28°33'25	17°48	3°45	3°19	12° 2	23°49	1°40	3°39	4°13	10° 5	2°22	1°23	2°45	1°47	T 10
W11	9 51 30	29°33'36	1♉29	5°40	4°34	11°59	23°42	1°39	3°37	4°15	10° 3	2°18	1°19	2°52	1°46	W11
T 12	9 55 27	0♓33'46	14°42	7°35	5°49	11°56	23°34	1°38	3°34	4°17	10° 2	2°16	1°16	2°58	1°45	T 12
F 13	9 59 23	1°33'54	27°30	9°31	7° 4	11°51	23°26	1°36	3°32	4°19	10° 1	2°D15	1°13	3° 5	1°43	F 13
S 14	10 3 20	2°33'59	9♊56	11°26	8°18	11°46	23°18	1°35	3°29	4°21	9°59	2°15	1°10	3°12	1°42	S 14
S 15	10 7 16	3°34'02	22° 5	13°21	9°33	11°41	23°11	1°34	3°26	4°23	9°58	2°16	1° 7	3°18	1°41	S 15
M16	10 11 13	4°34'03	4♋ 2	15°16	10°48	11°34	23° 3	1°33	3°24	4°25	9°57	2°18	1° 3	3°25	1°40	M16
T 17	10 15 9	5°34'02	15°51	17° 9	12° 3	11°27	22°55	1°32	3°21	4°27	9°55	2°20	1° 0	3°31	1°39	T 17
W18	10 19 6	6°33'59	27°38	19° 1	13°18	11°19	22°48	1°31	3°18	4°29	9°54	2°R21	0°57	3°38	1°38	W18
T 19	10 23 2	7°33'54	9♌25	20°51	14°32	11°10	22°41	1°31	3°16	4°31	9°53	2°21	0°54	3°45	1°37	T 19
F 20	10 26 59	8°33'46	21°16	22°39	15°47	11° 1	22°33	1°30	3°13	4°33	9°52	2°19	0°51	3°51	1°37	F 20
S 21	10 30 56	9°33'37	3♍14	24°25	17° 2	10°50	22°26	1°30	3°11	4°35	9°50	2°15	0°48	3°58	1°36	S 21
S 22	10 34 52	10°33'25	15°21	26° 7	18°17	10°39	22°19	1°30	3° 8	4°38	9°49	2°10	0°44	4° 5	1°36	S 22
M23	10 38 49	11°33'11	27°38	27°46	19°31	10°27	22°12	1°29	3° 5	4°40	9°48	2° 3	0°41	4°11	1°35	M23
T 24	10 42 45	12°32'56	10♎ 5	29°21	20°46	10°15	22° 5	1°D29	3° 3	4°42	9°47	1°56	0°38	4°18	1°35	T 24
W25	10 46 42	13°32'38	22°45	0♈51	22° 0	10° 1	21°58	1°29	3° 0	4°44	9°45	1°48	0°35	4°25	1°35	W25
T 26	10 50 38	14°32'19	5♏37	2°16	23°15	9°47	21°51	1°30	2°58	4°46	9°44	1°42	0°32	4°31	1°35	T 26
F 27	10 54 35	15°31'58	18°43	3°35	24°30	9°33	21°44	1°30	2°55	4°48	9°43	1°37	0°29	4°38	1°D34	F 27
S 28	10 58 31	16♓31'35	2♐ 3	4♈49	25♓44	9♎17	21♌37	1♋30	2♍53	4♈50	9♌42	1♒34	0♒25	4♌45	1♋35	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 2	25s41	4s25	17s45	2s 2	15s32	1s24	1s51	3n 7	14n27	1n17	23n 3	0s29	10n49	0n48	0n 7	1s36	26n38	9n16	19s41	19s50	19n52	17n17	6s15
M 2	14 43	26 43	3 36	17 10	2 0	15 8	1 24	1 52	3 8	14 30	1 18	23 3	0 28	10 50	0 49	0 8	1 36	26 39	9 16	19 41	19 51	19 50	17 17	6 14
T 3	14 24	25 59	2 31	16 33	1 58	14 43	1 25	1 52	3 9	14 33	1 18	23 3	0 28	10 51	0 49	0 8	1 36	26 39	9 16	19 41	19 51	19 47	17 18	6 14
W 4	14 4	23 26	1 15	15 54	1 55	14 18	1 25	1 52	3 10	14 36	1 18	23 4	0 28	10 52	0 49	0 9	1 35	26 40	9 16	19 40	19 52	19 45	17 18	6 13
T 5	13 44	19 14	0n 8	15 14	1 52	13 53	1 26	1 52	3 10	14 38	1 18	23 4	0 28	10 53	0 49	0 10	1 35	26 40	9 16	19 40	19 53	19 42	17 19	6 13
F 6	13 24	13 44	1 30	14 32	1 48	13 27	1 26	1 52	3 11	14 41	1 18	23 4	0 28	10 54	0 49	0 11	1 35	26 41	9 16	19 40	19 54	19 40	17 19	6 13
S 7	13 4	7 27	2 46	13 49	1 43	13 1	1 26	1 51	3 12	14 44	1 18	23 4	0 28	10 55	0 49	0 11	1 35	26 41	9 16	19 41	19 54	19 38	17 20	6 12
S 8	12 43	0 50	3 49	13 4	1 38	12 35	1 26	1 50	3 13	14 47	1 18	23 4	0 28	10 56	0 49	0 12	1 35	26 41	9 16	19 41	19 55	19 35	17 20	6 12
M 9	12 22	5n40	4 36	12 18	1 33	12 8	1 26	1 49	3 14	14 49	1 18	23 5	0 27	10 57	0 49	0 13	1 35	26 42	9 16	19 42	19 56	19 33	17 20	6 12
T 10	12 2	11 42	5 4	11 31	1 26	11 41	1 26	1 48	3 14	14 52	1 18	23 5	0 27	10 58	0 49	0 14	1 35	26 42	9 16	19 43	19 56	19 31	17 21	6 11
W11	11 41	16 57	5 14	10 42	1 19	11 13	1 26	1 46	3 15	14 55	1 18	23 5	0 27	10 59	0 49	0 15	1 35	26 43	9 16	19 44	19 57	19 28	17 21	6 11
T 12	11 19	21 12	5 7	9 52	1 12	10 45	1 26	1 44	3 16	14 57	1 18	23 5	0 27	11 0	0 49	0 15	1 35	26 43	9 16	19 44	19 58	19 26	17 22	6 10
F 13	10 58	24 18	4 45	9 1	1 4	10 17	1 26	1 42	3 16	15 0	1 18	23 5	0 27	11 1	0 49	0 16	1 35	26 43	9 16	19 45	19 58	19 23	17 22	6 10
S 14	10 36	26 8	4 9	8 9	0 55	9 49	1 26	1 39	3 17	15 3	1 18	23 5	0 27	11 2	0 49	0 17	1 35	26 44	9 16	19 45	19 59	19 21	17 22	6 9
S 15	10 15	26 41	3 23	7 16	0 46	9 21	1 26	1 36	3 18	15 5	1 18	23 6	0 27	11 3	0 49	0 18	1 35	26 44	9 16	19 44	20 0	19 19	17 23	6 9
M16	9 53	25 58	2 29	6 23	0 36	8 52	1 25	1 33	3 18	15 8	1 18	23 6	0 26	11 4	0 49	0 19	1 35	26 44	9 16	19 44	20 1	19 16	17 23	6 9
T 17	9 31	24 4	1 29	5 29	0 25	8 23	1 25	1 30	3 19	15 10	1 19	23 6	0 26	11 5	0 49	0 19	1 35	26 45	9 16	19 44	20 1	19 14	17 24	6 8
W18	9 8	21 9	0 26	4 35	0 14	7 54	1 24	1 27	3 19	15 13	1 19	23 6	0 26	11 5	0 49	0 20	1 35	26 45	9 16	19 43	20 2	19 11	17 24	6 8
T 19	8 46	17 21	0s39	3 41	0 3	7 24	1 24	1 23	3 20	15 15	1 19	23 6	0 26	11 6	0 49	0 21	1 35	26 45	9 16	19 43	20 3	19 9	17 25	6 7
F 20	8 24	12 52	1 42	2 47	0n 9	6 54	1 23	1 19	3 20	15 18	1 19	23 6	0 26	11 7	0 49	0 22	1 35	26 46	9 16	19 44	20 3	19 7	17 25	6 7
S 21	8 1	7 52	2 40	1 54	0 22	6 25	1 23	1 14	3 20	15 20	1 19	23 6	0 26	11 8	0 49	0 23	1 35	26 46	9 16	19 45	20 4	19 4	17 26	6 6
S 22	7 38	2 32	3 33	1 1	0 34	5 55	1 22	1 10	3 20	15 22	1 19	23 7	0 25	11 9	0 49	0 24	1 35	26 46	9 16	19 46	20 5	19 2	17 26	6 6
M23	7 16	2s58	4 16	0 10	0 47	5 25	1 21	1 5	3 21	15 25	1 19	23 7	0 25	11 10	0 49	0 24	1 35	26 46	9 16	19 47	20 5	18 59	17 27	6 6
T 24	6 53	8 25	4 47	0n40	1 1	4 54	1 20	1 0	3 21	15 27	1 19	23 7	0 25	11 11	0 49	0 25	1 35	26 47	9 16	19 49	20 6	18 57	17 27	6 5
W25	6 30	13 36	5 6	1 28	1 14	4 24	1 19	0 55	3 21	15 29	1 19	23 7	0 25	11 12	0 49	0 26	1 35	26 47	9 16	19 51	20 7	18 54	17 27	6 5
T 26	6 7	18 18	5 9	2 14	1 27	3 53	1 18	0 49	3 21	15 31	1 18	23 7	0 25	11 13	0 49	0 27	1 35	26 47	9 16	19 52	20 8	18 52	17 28	6 4
F 27	5 44	22 12	4 56	2 58	1 40	3 23	1 17	0 43	3 21	15 34	1 18	23 7	0 25	11 14	0 49	0 28	1 35	26 48	9 16	19 53	20 8	18 50	17 28	6 4
S 28	5s20	25s 1	4s27	3n39	1n53	2s52	1s16	0s37	3n21	15n36	1n18	23n 7	0s25	11n15	0n49	0n29	1s35	26n48	9n15	19s54	20s 9	18n47	17n29	6s 3

Julian Day Number = 2162676.5, Delta T = 13m03s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'42, Lahiri = 12°49'43 Julian Calendar 1 Feb. 1209 == Greg. Calendar 8 Feb. 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

MARCH 1209 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 28	17♓31'11	15♐39	5♈56	26♓59	9°R 1	21°R31	1♋31	2°R50	4♈53	9°R41	1°D33	0♒22	4♌51	1♋35	S 1
M 2	11 6 24	18°30'45	29°32	6°57	28°13	8♎44	21♌25	1°31	2♍48	4°55	9♌40	1♒33	0°19	4°58	1°35	M 2
T 3	11 10 21	19°30'17	13♑42	7°50	29°28	8°27	21°18	1°32	2°45	4°57	9°39	1°34	0°16	5° 4	1°35	T 3
W 4	11 14 18	20°29'47	28° 8	8°36	0♈42	8° 9	21°12	1°33	2°43	4°59	9°38	1°R35	0°13	5°11	1°36	W 4
T 5	11 18 14	21°29'15	12♒47	9°15	1°57	7°50	21° 6	1°34	2°40	5° 1	9°37	1°35	0° 9	5°18	1°36	T 5
F 6	11 22 11	22°28'42	27°35	9°46	3°11	7°31	21° 0	1°35	2°38	5° 4	9°36	1°32	0° 6	5°24	1°37	F 6
S 7	11 26 7	23°28'06	12♓24	10°10	4°26	7°11	20°55	1°36	2°35	5° 6	9°35	1°27	0° 3	5°31	1°37	S 7
S 8	11 30 4	24°27'29	27° 8	10°25	5°40	6°51	20°49	1°37	2°33	5° 8	9°34	1°20	29♑59	5°38	1°38	S 8
M 9	11 34 0	25°26'49	11♈37	10°33	6°54	6°30	20°44	1°39	2°31	5°10	9°33	1°12	29°57	5°44	1°39	M 9
T 10	11 37 57	26°26'07	25°47	10°R34	8° 9	6° 9	20°38	1°40	2°28	5°13	9°32	1° 3	29°54	5°51	1°40	T 10
W11	11 41 53	27°25'23	9♉31	10°27	9°23	5°48	20°33	1°42	2°26	5°15	9°31	0°54	29°50	5°58	1°41	W11
T 12	11 45 50	28°24'37	22°49	10°13	10°37	5°26	20°28	1°43	2°24	5°17	9°30	0°47	29°47	6° 4	1°42	T 12
F 13	11 49 47	29°23'48	5♊41	9°53	11°52	5° 4	20°23	1°45	2°22	5°19	9°29	0°42	29°44	6°11	1°43	F 13
S 14	11 53 43	0♈22'57	18°10	9°27	13° 6	4°41	20°19	1°47	2°19	5°22	9°28	0°39	29°41	6°18	1°45	S 14
S 15	11 57 40	1°22'04	0♋21	8°55	14°20	4°18	20°14	1°49	2°17	5°24	9°28	0°D38	29°38	6°24	1°46	S 15
M16	12 1 36	2°21'09	12°19	8°18	15°34	3°56	20°10	1°51	2°15	5°26	9°27	0°39	29°34	6°31	1°48	M16
T 17	12 5 33	3°20'11	24° 8	7°38	16°49	3°33	20° 6	1°54	2°13	5°28	9°26	0°39	29°31	6°38	1°49	T 17
W18	12 9 29	4°19'10	5♌55	6°55	18° 3	3°10	20° 2	1°56	2°11	5°31	9°25	0°R39	29°28	6°44	1°51	W18
T 19	12 13 26	5°18'08	17°44	6° 9	19°17	2°47	19°58	1°58	2° 9	5°33	9°25	0°38	29°25	6°51	1°53	T 19
F 20	12 17 22	6°17'03	29°40	5°22	20°31	2°24	19°54	2° 1	2° 7	5°35	9°24	0°34	29°22	6°57	1°55	F 20
S 21	12 21 19	7°15'56	11♍46	4°35	21°45	2° 1	19°51	2° 4	2° 5	5°37	9°23	0°27	29°19	7° 4	1°56	S 21
S 22	12 25 16	8°14'47	24° 4	3°49	22°59	1°38	19°48	2° 6	2° 3	5°40	9°23	0°18	29°15	7°11	1°58	S 22
M23	12 29 12	9°13'35	6♎36	3° 4	24°13	1°15	19°44	2° 9	2° 1	5°42	9°22	0° 7	29°12	7°17	2° 1	M23
T 24	12 33 9	10°12'22	19°23	2°21	25°27	0°52	19°42	2°12	1°59	5°44	9°21	29♑55	29° 9	7°24	2° 3	T 24
W25	12 37 5	11°11'06	2♏23	1°41	26°41	0°30	19°39	2°15	1°57	5°46	9°21	29°43	29° 6	7°31	2° 5	W25
T 26	12 41 2	12° 9'49	15°36	1° 4	27°55	0° 8	19°36	2°18	1°55	5°49	9°20	29°33	29° 3	7°37	2° 7	T 26
F 27	12 44 58	13° 8'30	29° 0	0°32	29° 9	29♍46	19°34	2°22	1°53	5°51	9°20	29°24	29° 0	7°44	2°10	F 27
S 28	12 48 55	14° 7'09	12♐34	0° 4	0♉22	29°25	19°32	2°25	1°52	5°53	9°19	29°18	28°56	7°51	2°12	S 28
S 29	12 52 51	15° 5'47	26°19	29♓41	1°36	29° 4	19°29	2°28	1°50	5°56	9°19	29°14	28°53	7°57	2°15	S 29
M30	12 56 48	16° 4'23	10♑12	29°22	2°50	28°43	19°28	2°32	1°48	5°58	9°18	29°13	28°50	8° 4	2°18	M30
T 31	13 0 45	17♈ 2'57	24♑14	29♓ 9	4♉ 4	28♍23	19♌26	2♋35	1♍47	6♈ 0	9♌18	29♑13	28♑47	8♌11	2♋20	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s57	26s27	3s43	4n17	2n 5	2s21	1s15	0s31	3n21	15n38	1n18	23n 8	0s24	11n16	0n49	0n30	1s35	26n48	9n15	19s54	20s10	18n45	17n29	6s 3
M 2	4 34	26 17	2 44	4 52	2 17	1 50	1 14	0 25	3 20	15 40	1 18	23 8	0 24	11 17	0 49	0 31	1 35	26 48	9 15	19 54	20 10	18 42	17 30	6 2
T 3	4 10	24 25	1 35	5 24	2 29	1 20	1 13	0 18	3 20	15 42	1 18	23 8	0 24	11 17	0 49	0 31	1 35	26 48	9 15	19 54	20 11	18 40	17 30	6 2
W 4	3 47	20 56	0 19	5 52	2 40	0 49	1 11	0 11	3 20	15 44	1 18	23 8	0 24	11 18	0 49	0 32	1 35	26 49	9 15	19 54	20 12	18 37	17 31	6 1
T 5	3 23	16 5	1n 0	6 17	2 49	0 18	1 10	0 4	3 19	15 46	1 18	23 8	0 24	11 19	0 48	0 33	1 35	26 49	9 15	19 54	20 12	18 35	17 31	6 1
F 6	3 0	10 15	2 15	6 37	2 58	0n13	1 9	0n 3	3 19	15 47	1 18	23 8	0 24	11 20	0 48	0 34	1 35	26 49	9 15	19 54	20 13	18 32	17 32	6 0
S 7	2 36	3 50	3 22	6 54	3 6	0 44	1 7	0 10	3 18	15 49	1 18	23 8	0 24	11 21	0 48	0 35	1 35	26 49	9 15	19 55	20 14	18 30	17 32	6 0
S 8	2 13	2n44	4 14	7 6	3 13	1 15	1 6	0 17	3 17	15 51	1 18	23 9	0 23	11 22	0 48	0 36	1 35	26 49	9 15	19 57	20 14	18 27	17 33	6 0
M 9	1 49	9 2	4 48	7 14	3 18	1 46	1 4	0 25	3 16	15 53	1 18	23 9	0 23	11 23	0 48	0 37	1 35	26 49	9 15	19 59	20 15	18 25	17 33	5 59
T 10	1 25	14 43	5 5	7 18	3 23	2 17	1 2	0 32	3 15	15 54	1 18	23 9	0 23	11 23	0 48	0 38	1 35	26 50	9 14	20 1	20 16	18 22	17 33	5 59
W11	1 2	19 30	5 2	7 18	3 25	2 48	1 1	0 40	3 14	15 56	1 18	23 9	0 23	11 24	0 48	0 39	1 35	26 50	9 14	20 3	20 16	18 20	17 34	5 58
T 12	0 38	23 8	4 44	7 13	3 26	3 19	0 59	0 48	3 13	15 57	1 18	23 9	0 23	11 25	0 48	0 39	1 35	26 50	9 14	20 4	20 17	18 17	17 34	5 58
F 13	0 14	25 28	4 11	7 5	3 26	3 50	0 57	0 55	3 12	15 59	1 18	23 9	0 23	11 26	0 48	0 40	1 35	26 50	9 14	20 5	20 18	18 15	17 35	5 57
S 14	0n 9	26 27	3 27	6 52	3 23	4 21	0 55	1 3	3 11	16 0	1 17	23 9	0 23	11 27	0 48	0 41	1 35	26 50	9 14	20 6	20 18	18 12	17 35	5 57
S 15	0 33	26 8	2 35	6 36	3 19	4 51	0 53	1 11	3 10	16 1	1 17	23 9	0 22	11 27	0 48	0 42	1 35	26 50	9 14	20 6	20 19	18 10	17 36	5 56
M16	0 56	24 34	1 37	6 16	3 14	5 22	0 51	1 19	3 8	16 3	1 17	23 9	0 22	11 28	0 48	0 43	1 35	26 50	9 14	20 6	20 20	18 7	17 36	5 56
T 17	1 20	21 57	0 35	5 54	3 6	5 52	0 50	1 26	3 7	16 4	1 17	23 10	0 22	11 29	0 48	0 44	1 35	26 50	9 14	20 6	20 20	18 5	17 37	5 55
W18	1 43	18 25	0s28	5 28	2 57	6 23	0 47	1 34	3 5	16 5	1 17	23 10	0 22	11 30	0 48	0 45	1 35	26 50	9 13	20 6	20 21	18 2	17 37	5 55
T 19	2 7	14 9	1 30	5 1	2 47	6 53	0 45	1 42	3 4	16 6	1 17	23 10	0 22	11 30	0 48	0 46	1 35	26 51	9 13	20 6	20 22	18 0	17 37	5 54
F 20	2 30	9 19	2 28	4 31	2 35	7 23	0 43	1 49	3 2	16 7	1 17	23 10	0 22	11 31	0 48	0 47	1 35	26 51	9 13	20 7	20 22	17 57	17 38	5 54
S 21	2 54	4 5	3 21	4 1	2 22	7 52	0 41	1 57	3 0	16 8	1 17	23 10	0 22	11 32	0 48	0 48	1 35	26 51	9 13	20 8	20 23	17 55	17 38	5 53
S 22	3 17	1s22	4 4	3 29	2 9	8 22	0 39	2 4	2 58	16 9	1 17	23 10	0 22	11 32	0 48	0 48	1 35	26 51	9 13	20 10	20 24	17 52	17 39	5 53
M23	3 40	6 52	4 37	2 58	1 54	8 52	0 37	2 12	2 56	16 10	1 17	23 10	0 21	11 33	0 48	0 49	1 35	26 51	9 13	20 13	20 24	17 50	17 39	5 53
T 24	4 4	12 11	4 57	2 26	1 38	9 21	0 35	2 19	2 54	16 11	1 16	23 10	0 21	11 34	0 48	0 50	1 35	26 51	9 12	20 15	20 25	17 47	17 40	5 52
W25	4 27	17 4	5 1	1 56	1 22	9 50	0 32	2 26	2 52	16 12	1 16	23 10	0 21	11 34	0 48	0 51	1 35	26 51	9 12	20 18	20 26	17 45	17 40	5 52
T 26	4 50	21 12	4 50	1 26	1 6	10 19	0 30	2 33	2 50	16 12	1 16	23 10	0 21	11 35	0 48	0 52	1 35	26 51	9 12	20 20	20 26	17 42	17 40	5 51
F 27	5 13	24 18	4 23	0 58	0 49	10 47	0 28	2 39	2 48	16 13	1 16	23 10	0 21	11 36	0 48	0 53	1 35	26 51	9 12	20 22	20 27	17 39	17 41	5 51
S 28	5 35	26 3	3 41	0 32	0 33	11 15	0 25	2 46	2 45	16 14	1 16	23 11	0 21	11 36	0 48	0 54	1 35	26 51	9 12	20 23	20 28	17 37	17 41	5 50
S 29	5 58	26 14	2 45	0 8	0 17	11 44	0 23	2 52	2 43	16 14	1 16	23 11	0 21	11 37	0 48	0 55	1 35	26 51	9 12	20 24	20 28	17 34	17 42	5 50
M30	6 21	24 48	1 39	0s14	0 1	12 11	0 20	2 58	2 41	16 15	1 16	23 11	0 20	11 37	0 48	0 56	1 35	26 51	9 11	20 24	20 29	17 32	17 42	5 49
T 31	6n44	21s48	0s26	0s34	0s15	12n39	0s18	3n 4	2n38	16n15	1n15	23n11	0s20	11n38	0n48	0n56	1s35	26n51	9n11	20s24	20s30	17n29	17n42	5s49

Julian Day Number = 2162704.5, Delta T = 13m03s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'46, Lahiri = 12°49'47 Julian Calendar 1 March 1209 == Greg. Calendar 8 March 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

APRIL 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 4 41	18♈ 1'29	8♒25	29°R 1	5♉17	28°R 3	19°R24	2♋39	1°R45	6♈ 2	9°R18	29°R13	28♑44	8♌17	2♋23	W 1
T 2	13 8 38	19° 0'00	22°44	28°D58	6°31	27♍44	19♌23	2°43	1♍44	6° 4	9♌17	29♑12	28°40	8°24	2°26	T 2
F 3	13 12 34	19°58'29	7♓ 7	29♓ 0	7°45	27°25	19°22	2°47	1°42	6° 7	9°17	29° 8	28°37	8°30	2°29	F 3
S 4	13 16 31	20°56'57	21°31	29° 7	8°59	27° 7	19°21	2°51	1°41	6° 9	9°17	29° 1	28°34	8°37	2°32	S 4
S 5	13 20 27	21°55'22	5♈51	29°19	10°12	26°49	19°20	2°55	1°39	6°11	9°16	28°51	28°31	8°44	2°35	S 5
M 6	13 24 24	22°53'46	20° 2	29°35	11°26	26°33	19°20	2°59	1°38	6°13	9°16	28°40	28°28	8°50	2°38	M 6
T 7	13 28 20	23°52'08	3♉57	29°56	12°39	26°16	19°19	3° 3	1°37	6°15	9°16	28°28	28°25	8°57	2°42	T 7
W 8	13 32 17	24°50'28	17°32	0♈22	13°53	26° 1	19°19	3° 8	1°35	6°18	9°16	28°16	28°21	9° 4	2°45	W 8
T 9	13 36 13	25°48'47	0♊45	0°52	15° 6	25°46	19°D19	3°12	1°34	6°20	9°16	28° 6	28°18	9°10	2°49	T 9
F 10	13 40 10	26°47'03	13°35	1°26	16°20	25°32	19°19	3°17	1°33	6°22	9°15	27°58	28°15	9°17	2°52	F 10
S 11	13 44 7	27°45'17	26° 4	2° 4	17°33	25°19	19°20	3°21	1°32	6°24	9°15	27°53	28°12	9°24	2°56	S 11
S 12	13 48 3	28°43'30	8♋16	2°46	18°47	25° 6	19°20	3°26	1°31	6°26	9°15	27°50	28° 9	9°30	2°59	S 12
M13	13 52 0	29°41'40	20°15	3°31	20° 0	24°55	19°21	3°31	1°30	6°28	9°15	27°49	28° 6	9°37	3° 3	M13
T 14	13 55 56	0♉39'48	2♌ 6	4°20	21°14	24°44	19°22	3°35	1°29	6°31	9°D15	27°49	28° 2	9°44	3° 7	T 14
W15	13 59 53	1°37'54	13°54	5°12	22°27	24°34	19°23	3°40	1°28	6°33	9°15	27°49	27°59	9°50	3°11	W15
T 16	14 3 49	2°35'58	25°45	6° 8	23°40	24°24	19°24	3°45	1°27	6°35	9°15	27°47	27°56	9°57	3°15	T 16
F 17	14 7 46	3°34'01	7♍44	7° 6	24°53	24°16	19°26	3°50	1°26	6°37	9°15	27°43	27°53	10° 4	3°19	F 17
S 18	14 11 42	4°32'01	19°56	8° 7	26° 7	24° 8	19°27	3°56	1°26	6°39	9°15	27°37	27°50	10°10	3°23	S 18
S 19	14 15 39	5°29'59	2♎23	9°12	27°20	24° 1	19°29	4° 1	1°25	6°41	9°16	27°28	27°46	10°17	3°27	S 19
M20	14 19 36	6°27'56	15° 8	10°19	28°33	23°55	19°31	4° 6	1°24	6°43	9°16	27°17	27°43	10°23	3°31	M20
T 21	14 23 32	7°25'51	28°12	11°28	29°46	23°49	19°33	4°11	1°24	6°45	9°16	27° 5	27°40	10°30	3°35	T 21
W22	14 27 29	8°23'44	11♏33	12°41	0♊59	23°45	19°36	4°17	1°23	6°47	9°16	26°53	27°37	10°37	3°40	W22
T 23	14 31 25	9°21'36	25°10	13°56	2°12	23°41	19°38	4°22	1°23	6°49	9°16	26°42	27°34	10°43	3°44	T 23
F 24	14 35 22	10°19'27	8♐59	15°13	3°25	23°38	19°41	4°28	1°22	6°51	9°17	26°33	27°31	10°50	3°49	F 24
S 25	14 39 18	11°17'16	22°56	16°33	4°38	23°36	19°44	4°34	1°22	6°53	9°17	26°26	27°27	10°57	3°53	S 25
S 26	14 43 15	12°15'04	6♑59	17°55	5°51	23°35	19°47	4°39	1°21	6°55	9°17	26°23	27°24	11° 3	3°58	S 26
M27	14 47 11	13°12'51	21° 5	19°20	7° 4	23°D34	19°50	4°45	1°21	6°57	9°18	26°D22	27°21	11°10	4° 2	M27
T 28	14 51 8	14°10'36	5♒13	20°47	8°17	23°34	19°53	4°51	1°21	6°59	9°18	26°22	27°18	11°17	4° 7	T 28
W29	14 55 5	15° 8'21	19°21	22°16	9°30	23°35	19°57	4°57	1°21	7° 0	9°18	26°R22	27°15	11°23	4°12	W29
T 30	14 59 1	16♉ 6'04	3♓28	23♈47	10♊43	23♍37	20♌ 1	5♋ 3	1♍21	7♈ 2	9♌19	26♑21	27♑11	11♌30	4♋16	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 6	17s27	0n49	0s51	0s30	13n 6	0s15	3n10	2n36	16n15	1n15	23n11	0s20	11n39	0n48	0n57	1s35	26n50	9n11	20s24	20s30	17n27	17n43	5s49
T 2	7 28	12 6	2 1	1 6	0 44	13 33	0 13	3 15	2 33	16 16	1 15	23 11	0 20	11 39	0 48	0 58	1 35	26 50	9 11	20 24	20 31	17 24	17 43	5 48
F 3	7 51	6 3	3 6	1 17	0 58	13 59	0 10	3 20	2 31	16 16	1 15	23 11	0 20	11 40	0 48	0 59	1 35	26 50	9 11	20 25	20 32	17 22	17 43	5 48
S 4	8 13	0n17	3 59	1 27	1 11	14 26	0 8	3 25	2 28	16 16	1 15	23 11	0 20	11 40	0 48	1 0	1 35	26 50	9 11	20 27	20 32	17 19	17 44	5 47
S 5	8 35	6 34	4 37	1 33	1 24	14 51	0 5	3 30	2 26	16 16	1 15	23 11	0 20	11 40	0 48	1 1	1 35	26 50	9 10	20 29	20 33	17 16	17 44	5 47
M 6	8 56	12 27	4 57	1 38	1 36	15 17	0 3	3 34	2 23	16 16	1 15	23 11	0 20	11 41	0 48	1 2	1 35	26 50	9 10	20 31	20 33	17 14	17 45	5 47
T 7	9 18	17 34	4 59	1 39	1 47	15 42	0 0	3 38	2 20	16 16	1 14	23 11	0 19	11 41	0 48	1 2	1 35	26 50	9 10	20 33	20 34	17 11	17 45	5 46
W 8	9 40	21 40	4 44	1 38	1 57	16 7	0n 2	3 42	2 18	16 16	1 14	23 11	0 19	11 42	0 48	1 3	1 35	26 50	9 10	20 36	20 35	17 9	17 45	5 46
T 9	10 1	24 32	4 14	1 35	2 6	16 31	0 5	3 45	2 15	16 16	1 14	23 11	0 19	11 42	0 48	1 4	1 35	26 50	9 10	20 38	20 35	17 6	17 46	5 45
F 10	10 22	26 1	3 31	1 29	2 15	16 55	0 8	3 48	2 12	16 16	1 14	23 11	0 19	11 43	0 48	1 5	1 35	26 50	9 10	20 40	20 36	17 3	17 46	5 45
S 11	10 43	26 9	2 40	1 21	2 23	17 18	0 10	3 51	2 9	16 15	1 14	23 11	0 19	11 43	0 48	1 6	1 35	26 49	9 9	20 41	20 37	17 1	17 46	5 45
S 12	11 4	24 58	1 42	1 11	2 30	17 41	0 13	3 53	2 7	16 15	1 14	23 11	0 19	11 43	0 48	1 7	1 35	26 49	9 9	20 41	20 37	16 58	17 46	5 44
M13	11 25	22 40	0 40	0 59	2 36	18 4	0 15	3 55	2 4	16 15	1 14	23 11	0 19	11 44	0 47	1 7	1 35	26 49	9 9	20 41	20 38	16 56	17 47	5 44
T 14	11 45	19 25	0s23	0 45	2 42	18 26	0 18	3 57	2 1	16 14	1 13	23 11	0 19	11 44	0 47	1 8	1 35	26 49	9 9	20 41	20 39	16 53	17 47	5 43
W15	12 6	15 23	1 24	0 29	2 47	18 48	0 21	3 59	1 58	16 14	1 13	23 11	0 18	11 44	0 47	1 9	1 35	26 49	9 9	20 41	20 39	16 50	17 47	5 43
T 16	12 26	10 46	2 22	0 11	2 51	19 9	0 23	4 0	1 55	16 13	1 13	23 11	0 18	11 44	0 47	1 10	1 35	26 49	9 8	20 42	20 40	16 48	17 48	5 43
F 17	12 46	5 42	3 15	0n 9	2 55	19 29	0 26	4 1	1 53	16 13	1 13	23 11	0 18	11 45	0 47	1 11	1 35	26 48	9 8	20 42	20 41	16 45	17 48	5 42
S 18	13 5	0 21	3 59	0 31	2 57	19 50	0 28	4 1	1 50	16 12	1 13	23 11	0 18	11 45	0 47	1 11	1 35	26 48	9 8	20 44	20 41	16 43	17 48	5 42
S 19	13 25	5s 7	4 33	0 55	3 0	20 9	0 31	4 2	1 47	16 11	1 13	23 11	0 18	11 45	0 47	1 12	1 35	26 48	9 8	20 45	20 42	16 40	17 48	5 42
M20	13 44	10 30	4 54	1 20	3 1	20 28	0 34	4 2	1 44	16 11	1 12	23 11	0 18	11 45	0 47	1 13	1 35	26 48	9 8	20 48	20 42	16 37	17 49	5 41
T 21	14 3	15 33	5 1	1 46	3 2	20 47	0 36	4 1	1 42	16 10	1 12	23 11	0 18	11 46	0 47	1 14	1 35	26 47	9 8	20 50	20 43	16 35	17 49	5 41
W22	14 22	19 58	4 51	2 14	3 2	21 5	0 39	4 0	1 39	16 9	1 12	23 11	0 18	11 46	0 47	1 15	1 35	26 47	9 7	20 52	20 44	16 32	17 49	5 41
T 23	14 40	23 25	4 25	2 44	3 1	21 22	0 41	3 59	1 36	16 8	1 12	23 11	0 17	11 46	0 47	1 15	1 36	26 47	9 7	20 54	20 44	16 29	17 49	5 40
F 24	14 59	25 34	3 43	3 15	3 0	21 39	0 44	3 58	1 34	16 7	1 12	23 11	0 17	11 46	0 47	1 16	1 36	26 47	9 7	20 56	20 45	16 27	17 50	5 40
S 25	15 17	26 8	2 47	3 47	2 58	21 55	0 46	3 57	1 31	16 6	1 12	23 11	0 17	11 46	0 47	1 17	1 36	26 46	9 7	20 57	20 46	16 24	17 50	5 40
S 26	15 35	25 2	1 41	4 21	2 56	22 11	0 49	3 55	1 28	16 5	1 12	23 11	0 17	11 46	0 47	1 18	1 36	26 46	9 7	20 58	20 46	16 22	17 50	5 39
M27	15 52	22 20	0 28	4 56	2 53	22 26	0 51	3 53	1 26	16 3	1 11	23 10	0 17	11 46	0 47	1 18	1 36	26 46	9 6	20 58	20 47	16 19	17 50	5 39
T 28	16 10	18 17	0n47	5 32	2 49	22 40	0 54	3 50	1 23	16 2	1 11	23 10	0 17	11 46	0 47	1 19	1 36	26 46	9 6	20 58	20 47	16 16	17 50	5 39
W29	16 27	13 12	1 59	6 9	2 45	22 54	0 56	3 48	1 21	16 1	1 11	23 10	0 17	11 46	0 47	1 20	1 36	26 45	9 6	20 58	20 48	16 14	17 50	5 38
T 30	16n44	7s26	3n 4	6n47	2s40	23n 7	0n59	3n45	1n18	16n 0	1n11	23n10	0s17	11n46	0n47	1n20	1s36	26n45	9n 6	20s58	20s49	16n11	17n51	5s38

Julian Day Number = 2162735.5, Delta T = 13m03s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'51, Lahiri = 12°49'51 Julian Calendar 1 Apr. 1209 == Greg. Calendar 8 Apr. 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

MAY 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 2 58	17♉ 3'46	17♓33	25♈21	11♊55	23♍39	20♌ 5	5♋ 9	1°R20	7♈ 4	9♌19	26°R18	27♑ 8	11♌37	4♋21	F 1
S 2	15 6 54	18° 1'27	1♈33	26°57	13° 8	23°42	20° 9	5°15	1°D20	7° 6	9°20	26♑12	27° 5	11°43	4°26	S 2
S 3	15 10 51	18°59'07	15°27	28°35	14°21	23°46	20°13	5°21	1♍20	7° 8	9°20	26° 4	27° 2	11°50	4°31	S 3
M 4	15 14 47	19°56'46	29°12	0♉15	15°33	23°51	20°17	5°27	1°21	7°10	9°21	25°54	26°59	11°57	4°36	M 4
T 5	15 18 44	20°54'23	12♉43	1°58	16°46	23°56	20°22	5°34	1°21	7°11	9°21	25°43	26°56	12° 3	4°41	T 5
W 6	15 22 40	21°52'00	25°59	3°43	17°59	24° 2	20°26	5°40	1°21	7°13	9°22	25°33	26°52	12°10	4°46	W 6
T 7	15 26 37	22°49'35	8♊58	5°30	19°11	24° 9	20°31	5°46	1°21	7°15	9°23	25°23	26°49	12°17	4°51	T 7
F 8	15 30 34	23°47'09	21°38	7°19	20°24	24°16	20°36	5°53	1°21	7°17	9°23	25°16	26°46	12°23	4°57	F 8
S 9	15 34 30	24°44'42	4♋ 1	9°11	21°36	24°24	20°41	5°59	1°22	7°18	9°24	25°12	26°43	12°30	5° 2	S 9
S 10	15 38 27	25°42'14	16°10	11° 4	22°49	24°33	20°47	6° 6	1°22	7°20	9°25	25°10	26°40	12°36	5° 7	S 10
M11	15 42 23	26°39'44	28° 8	13° 0	24° 1	24°42	20°52	6°12	1°23	7°22	9°25	25°D 9	26°37	12°43	5°13	M11
T 12	15 46 20	27°37'13	9♌58	14°58	25°14	24°52	20°58	6°19	1°23	7°23	9°26	25°10	26°33	12°50	5°18	T 12
W13	15 50 16	28°34'40	21°47	16°58	26°26	25° 3	21° 3	6°26	1°24	7°25	9°27	25°11	26°30	12°56	5°23	W13
T 14	15 54 13	29°32'06	3♍39	18°59	27°38	25°14	21° 9	6°32	1°24	7°26	9°28	25°R11	26°27	13° 3	5°29	T 14
F 15	15 58 9	0♊29'31	15°39	21° 3	28°51	25°26	21°15	6°39	1°25	7°28	9°29	25°10	26°24	13°10	5°34	F 15
S 16	16 2 6	1°26'55	27°53	23° 9	0♋ 3	25°39	21°22	6°46	1°26	7°29	9°29	25° 6	26°21	13°16	5°40	S 16
S 17	16 6 3	2°24'18	10♎25	25°16	1°15	25°52	21°28	6°53	1°26	7°31	9°30	25° 1	26°17	13°23	5°46	S 17
M18	16 9 59	3°21'39	23°18	27°24	2°27	26° 5	21°34	7° 0	1°27	7°32	9°31	24°54	26°14	13°30	5°51	M18
T 19	16 13 56	4°18'59	6♏32	29°33	3°39	26°20	21°41	7° 7	1°28	7°34	9°32	24°46	26°11	13°36	5°57	T 19
W20	16 17 52	5°16'19	20° 9	1♊44	4°51	26°34	21°48	7°14	1°29	7°35	9°33	24°38	26° 8	13°43	6° 3	W20
T 21	16 21 49	6°13'38	4♐ 6	3°55	6° 3	26°50	21°55	7°21	1°30	7°37	9°34	24°30	26° 5	13°50	6° 8	T 21
F 22	16 25 45	7°10'56	18°18	6° 7	7°15	27° 5	22° 2	7°28	1°31	7°38	9°35	24°25	26° 2	13°56	6°14	F 22
S 23	16 29 42	8° 8'13	2♑41	8°19	8°27	27°22	22° 9	7°35	1°32	7°39	9°36	24°21	25°58	14° 3	6°20	S 23
S 24	16 33 39	9° 5'29	17° 9	10°31	9°39	27°39	22°16	7°42	1°33	7°41	9°37	24°19	25°55	14°10	6°26	S 24
M25	16 37 35	10° 2'46	1♒37	12°42	10°51	27°56	22°23	7°49	1°34	7°42	9°38	24°D19	25°52	14°16	6°32	M25
T 26	16 41 32	11° 0'01	16° 0	14°53	12° 2	28°14	22°31	7°56	1°36	7°43	9°39	24°20	25°49	14°23	6°38	T 26
W27	16 45 28	11°57'17	0♓17	17° 3	13°14	28°32	22°38	8° 4	1°37	7°44	9°41	24°21	25°46	14°30	6°44	W27
T 28	16 49 25	12°54'32	14°24	19°12	14°26	28°51	22°46	8°11	1°38	7°46	9°42	24°R22	25°43	14°36	6°49	T 28
F 29	16 53 21	13°51'46	28°21	21°20	15°37	29°10	22°54	8°18	1°40	7°47	9°43	24°21	25°39	14°43	6°55	F 29
S 30	16 57 18	14°49'01	12♈ 6	23°26	16°49	29°30	23° 2	8°26	1°41	7°48	9°44	24°18	25°36	14°50	7° 2	S 30
S 31	17 1 14	15♊46'15	25♈39	25♊31	18♋ 1	29♍50	23♌10	8♋33	1♍43	7♈49	9♌45	24♑14	25♑33	14♌56	7♋ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 0	1s19	3n57	7n26	2s35	23n19	1n 1	3n41	1n16	15n58	1n11	23n10	0s17	11n46	0n47	1n21	1s36	26n45	9n 6	20s59	20s49	16n 8	17n51	5s38
S 2	17 16	4n50	4 36	8 6	2 29	23 31	1 3	3 38	1 13	15 57	1 11	23 10	0 16	11 46	0 47	1 22	1 36	26 44	9 5	21 0	20 50	16 6	17 51	5 37
S 3	17 32	10 41	4 58	8 47	2 23	23 42	1 6	3 34	1 11	15 55	1 10	23 10	0 16	11 46	0 47	1 23	1 36	26 44	9 5	21 2	20 51	16 3	17 51	5 37
M 4	17 48	15 56	5 2	9 29	2 16	23 53	1 8	3 30	1 8	15 54	1 10	23 10	0 16	11 46	0 47	1 23	1 36	26 44	9 5	21 4	20 51	16 0	17 51	5 37
T 5	18 4	20 19	4 50	10 12	2 9	24 3	1 10	3 26	1 6	15 52	1 10	23 9	0 16	11 46	0 47	1 24	1 36	26 43	9 5	21 6	20 52	15 58	17 51	5 37
W 6	18 19	23 34	4 22	10 55	2 1	24 12	1 12	3 21	1 3	15 51	1 10	23 9	0 16	11 46	0 47	1 24	1 36	26 43	9 5	21 7	20 52	15 55	17 51	5 36
T 7	18 34	25 31	3 41	11 38	1 53	24 20	1 14	3 16	1 1	15 49	1 10	23 9	0 16	11 46	0 47	1 25	1 36	26 43	9 5	21 9	20 53	15 52	17 51	5 36
F 8	18 48	26 5	2 49	12 22	1 44	24 28	1 17	3 11	0 59	15 47	1 10	23 9	0 16	11 46	0 46	1 26	1 36	26 42	9 4	21 10	20 54	15 50	17 51	5 36
S 9	19 2	25 19	1 51	13 7	1 35	24 35	1 19	3 6	0 56	15 45	1 10	23 9	0 16	11 46	0 46	1 26	1 36	26 42	9 4	21 11	20 54	15 47	17 51	5 36
S 10	19 16	23 21	0 48	13 51	1 26	24 41	1 21	3 0	0 54	15 44	1 9	23 9	0 16	11 45	0 46	1 27	1 36	26 42	9 4	21 12	20 55	15 44	17 52	5 35
M11	19 30	20 22	0s16	14 36	1 16	24 47	1 23	2 54	0 52	15 42	1 9	23 8	0 15	11 45	0 46	1 28	1 36	26 41	9 4	21 12	20 55	15 42	17 52	5 35
T 12	19 43	16 34	1 19	15 21	1 6	24 52	1 25	2 48	0 49	15 40	1 9	23 8	0 15	11 45	0 46	1 28	1 36	26 41	9 4	21 12	20 56	15 39	17 52	5 35
W13	19 56	12 8	2 18	16 5	0 56	24 56	1 26	2 42	0 47	15 38	1 9	23 8	0 15	11 45	0 46	1 29	1 36	26 41	9 4	21 11	20 57	15 36	17 52	5 35
T 14	20 8	7 14	3 12	16 49	0 45	25 0	1 28	2 35	0 45	15 36	1 9	23 8	0 15	11 44	0 46	1 29	1 36	26 40	9 3	21 11	20 57	15 33	17 52	5 34
F 15	20 21	2 2	3 57	17 33	0 34	25 2	1 30	2 29	0 43	15 34	1 9	23 7	0 15	11 44	0 46	1 30	1 36	26 40	9 3	21 12	20 58	15 31	17 52	5 34
S 16	20 32	3s20	4 33	18 15	0 24	25 4	1 32	2 22	0 41	15 32	1 9	23 7	0 15	11 44	0 46	1 31	1 36	26 39	9 3	21 12	20 58	15 28	17 52	5 34
S 17	20 44	8 41	4 57	18 57	0 13	25 6	1 33	2 15	0 39	15 29	1 8	23 7	0 15	11 44	0 46	1 31	1 37	26 39	9 3	21 13	20 59	15 25	17 52	5 34
M18	20 55	13 50	5 7	19 38	0 2	25 6	1 35	2 7	0 37	15 27	1 8	23 7	0 15	11 43	0 46	1 32	1 37	26 38	9 3	21 15	21 0	15 23	17 51	5 34
T 19	21 6	18 29	5 1	20 17	0n 9	25 6	1 36	2 0	0 35	15 25	1 8	23 6	0 15	11 43	0 46	1 32	1 37	26 38	9 3	21 16	21 0	15 20	17 51	5 33
W20	21 16	22 18	4 37	20 54	0 19	25 5	1 38	1 52	0 33	15 23	1 8	23 6	0 15	11 43	0 46	1 33	1 37	26 38	9 2	21 17	21 1	15 17	17 51	5 33
T 21	21 26	24 56	3 57	21 30	0 29	25 3	1 39	1 44	0 31	15 20	1 8	23 6	0 14	11 42	0 46	1 33	1 37	26 37	9 2	21 19	21 1	15 15	17 51	5 33
F 22	21 36	26 3	3 2	22 4	0 39	25 1	1 41	1 36	0 29	15 18	1 8	23 6	0 14	11 42	0 46	1 34	1 37	26 37	9 2	21 20	21 2	15 12	17 51	5 33
S 23	21 46	25 25	1 54	22 35	0 49	24 58	1 42	1 28	0 27	15 15	1 8	23 5	0 14	11 41	0 46	1 34	1 37	26 36	9 2	21 20	21 3	15 9	17 51	5 33
S 24	21 55	23 5	0 39	23 5	0 58	24 54	1 43	1 19	0 25	15 13	1 8	23 5	0 14	11 41	0 46	1 35	1 37	26 36	9 2	21 21	21 3	15 6	17 51	5 33
M25	22 3	19 15	0n39	23 31	1 7	24 50	1 44	1 11	0 23	15 10	1 7	23 5	0 14	11 40	0 46	1 35	1 37	26 35	9 2	21 21	21 4	15 4	17 51	5 32
T 26	22 11	14 17	1 55	23 55	1 15	24 45	1 45	1 2	0 21	15 8	1 7	23 4	0 14	11 40	0 46	1 35	1 37	26 35	9 1	21 21	21 4	15 1	17 51	5 32
W27	22 19	8 34	3 3	24 16	1 22	24 39	1 46	0 53	0 19	15 5	1 7	23 4	0 14	11 39	0 46	1 36	1 37	26 35	9 1	21 20	21 5	14 58	17 51	5 32
T 28	22 27	2 30	3 58	24 35	1 29	24 32	1 47	0 44	0 17	15 2	1 7	23 4	0 14	11 39	0 46	1 36	1 37	26 34	9 1	21 20	21 6	14 55	17 50	5 32
F 29	22 34	3n36	4 39	24 50	1 35	24 25	1 48	0 34	0 16	15 0	1 7	23 3	0 14	11 38	0 46	1 37	1 37	26 34	9 1	21 20	21 6	14 53	17 50	5 32
S 30	22 40	9 27	5 3	25 3	1 41	24 17	1 49	0 25	0 14	14 57	1 7	23 3	0 14	11 38	0 46	1 37	1 37	26 33	9 1	21 21	21 7	14 50	17 50	5 32
S 31	22n47	14n46	5n10	25n13	1n45	24n 8	1n50	0n15	0n12	14n54	1n 7	23n 3	0s13	11n37	0n46	1n38	1s37	26n33	9n 1	21s22	21s 7	14n47	17n50	5s32

Julian Day Number = 2162765.5, Delta T = 13m02s
Ecliptic obliquity = 23°32'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'55, Lahiri = 12°49'55 Julian Calendar 1 May 1209 == Greg. Calendar 8 May 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

JUNE 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 5 11	16♊43'29	9♉ 0	27♊34	19♋12	0♎11	23♌18	8♋40	1♍44	7♈50	9♌46	24°R 8	25♑30	15♌ 3	7♋14	M 1
T 2	17 9 8	17°40'43	22° 7	29°35	20°23	0°32	23°27	8°48	1°46	7°51	9°48	24♑ 2	25°27	15° 9	7°20	T 2
W 3	17 13 4	18°37'57	5♊ 0	1♋34	21°35	0°53	23°35	8°55	1°47	7°52	9°49	23°56	25°23	15°16	7°26	W 3
T 4	17 17 1	19°35'10	17°39	3°31	22°46	1°15	23°44	9° 3	1°49	7°53	9°50	23°51	25°20	15°23	7°32	T 4
F 5	17 20 57	20°32'23	0♋ 5	5°25	23°57	1°37	23°52	9°10	1°51	7°54	9°52	23°48	25°17	15°29	7°38	F 5
S 6	17 24 54	21°29'36	12°18	7°18	25° 9	2° 0	24° 1	9°18	1°53	7°55	9°53	23°46	25°14	15°36	7°44	S 6
S 7	17 28 50	22°26'48	24°20	9° 9	26°20	2°23	24°10	9°26	1°54	7°56	9°54	23°D45	25°11	15°43	7°51	S 7
M 8	17 32 47	23°24'00	6♌14	10°57	27°31	2°46	24°19	9°33	1°56	7°57	9°56	23°46	25° 8	15°49	7°57	M 8
T 9	17 36 43	24°21'12	18° 3	12°44	28°42	3°10	24°28	9°41	1°58	7°58	9°57	23°47	25° 4	15°56	8° 3	T 9
W10	17 40 40	25°18'23	29°51	14°28	29°53	3°34	24°37	9°48	2° 0	7°58	9°59	23°49	25° 1	16° 3	8° 9	W10
T 11	17 44 37	26°15'34	11♍43	16°10	1♌ 4	3°59	24°47	9°56	2° 2	7°59	10° 0	23°50	24°58	16° 9	8°16	T 11
F 12	17 48 33	27°12'44	23°43	17°49	2°15	4°24	24°56	10° 4	2° 4	8° 0	10° 1	23°R51	24°55	16°16	8°22	F 12
S 13	17 52 30	28° 9'54	5♎57	19°27	3°26	4°49	25° 6	10°11	2° 6	8° 1	10° 3	23°51	24°52	16°23	8°28	S 13
S 14	17 56 26	29° 7'04	18°28	21° 2	4°36	5°15	25°15	10°19	2° 8	8° 1	10° 4	23°49	24°49	16°29	8°35	S 14
M15	18 0 23	0♋ 4'13	1♏21	22°35	5°47	5°41	25°25	10°27	2°11	8° 2	10° 6	23°47	24°45	16°36	8°41	M15
T 16	18 4 19	1° 1'22	14°38	24° 6	6°58	6° 7	25°35	10°34	2°13	8° 3	10° 7	23°44	24°42	16°43	8°47	T 16
W17	18 8 16	1°58'31	28°20	25°35	8° 8	6°34	25°45	10°42	2°15	8° 3	10° 9	23°41	24°39	16°49	8°54	W17
T 18	18 12 12	2°55'41	12♐27	27° 1	9°19	7° 0	25°54	10°50	2°17	8° 4	10°10	23°38	24°36	16°56	9° 0	T 18
F 19	18 16 9	3°52'50	26°55	28°25	10°29	7°28	26° 5	10°58	2°20	8° 4	10°12	23°36	24°33	17° 3	9° 7	F 19
S 20	18 20 6	4°49'59	11♑38	29°47	11°40	7°55	26°15	11° 5	2°22	8° 5	10°14	23°35	24°29	17° 9	9°13	S 20
S 21	18 24 2	5°47'09	26°29	1♌ 6	12°50	8°23	26°25	11°13	2°25	8° 5	10°15	23°D35	24°26	17°16	9°19	S 21
M22	18 27 59	6°44'19	11♒21	2°23	14° 0	8°51	26°35	11°21	2°27	8° 6	10°17	23°35	24°23	17°23	9°26	M22
T 23	18 31 55	7°41'29	26° 7	3°38	15°10	9°19	26°46	11°29	2°30	8° 6	10°18	23°36	24°20	17°29	9°32	T 23
W24	18 35 52	8°38'39	10♓41	4°50	16°20	9°48	26°56	11°36	2°32	8° 6	10°20	23°37	24°17	17°36	9°39	W24
T 25	18 39 48	9°35'51	24°58	5°59	17°30	10°17	27° 7	11°44	2°35	8° 7	10°22	23°38	24°14	17°43	9°45	T 25
F 26	18 43 45	10°33'03	8♈57	7° 5	18°40	10°46	27°17	11°52	2°37	8° 7	10°23	23°R39	24°10	17°49	9°52	F 26
S 27	18 47 41	11°30'15	22°37	8° 9	19°50	11°16	27°28	12° 0	2°40	8° 7	10°25	23°38	24° 7	17°56	9°58	S 27
S 28	18 51 38	12°27'29	5♉58	9°10	21° 0	11°46	27°39	12° 8	2°43	8° 8	10°27	23°38	24° 4	18° 3	10° 4	S 28
M29	18 55 35	13°24'43	19° 2	10° 9	22° 9	12°16	27°50	12°15	2°45	8° 8	10°28	23°37	24° 1	18° 9	10°11	M29
T 30	18 59 31	14♋21'58	1♊50	11♌ 4	23♌19	12♎46	28♌ 1	12♋23	2♍48	8♈ 8	10♌30	23♑35	23♑58	18♌16	10♋17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n53	19n17	5n 0	25n21	1n49	23n59	1n50	0n 5	0n10	14n51	1n 7	23n 2	0s13	11n37	0n46	1n38	1s37	26n32	9n 1	21s23	21s 8	14n45	17n50	5s32
T 2	22 58	22 47	4 34	25 25	1 53	23 49	1 51	0s 5	0 9	14 48	1 6	23 2	0 13	11 36	0 45	1 38	1 37	26 32	9 0	21 24	21 9	14 42	17 49	5 31
W 3	23 3	25 4	3 55	25 27	1 55	23 38	1 51	0 15	0 7	14 46	1 6	23 1	0 13	11 35	0 45	1 39	1 37	26 31	9 0	21 25	21 9	14 39	17 49	5 31
T 4	23 8	26 2	3 4	25 27	1 57	23 27	1 52	0 25	0 5	14 43	1 6	23 1	0 13	11 35	0 45	1 39	1 37	26 31	9 0	21 26	21 10	14 36	17 49	5 31
F 5	23 12	25 38	2 6	25 24	1 58	23 15	1 52	0 35	0 4	14 40	1 6	23 1	0 13	11 34	0 45	1 39	1 38	26 30	9 0	21 26	21 10	14 34	17 49	5 31
S 6	23 16	24 0	1 2	25 19	1 59	23 2	1 52	0 46	0 2	14 37	1 6	23 0	0 13	11 33	0 45	1 40	1 38	26 30	9 0	21 27	21 11	14 31	17 48	5 31
S 7	23 20	21 17	0s 3	25 11	1 58	22 49	1 52	0 56	0 1	14 33	1 6	23 0	0 13	11 33	0 45	1 40	1 38	26 29	9 0	21 27	21 11	14 28	17 48	5 31
M 8	23 23	17 42	1 8	25 2	1 57	22 35	1 52	1 7	0s 1	14 30	1 6	22 59	0 13	11 32	0 45	1 40	1 38	26 29	9 0	21 27	21 12	14 25	17 48	5 31
T 9	23 25	13 26	2 9	24 51	1 56	22 20	1 52	1 18	0 2	14 27	1 6	22 59	0 13	11 31	0 45	1 41	1 38	26 28	9 0	21 26	21 13	14 23	17 48	5 31
W10	23 28	8 41	3 5	24 38	1 53	22 5	1 52	1 29	0 4	14 24	1 6	22 58	0 12	11 31	0 45	1 41	1 38	26 28	9 0	21 26	21 13	14 20	17 47	5 31
T 11	23 29	3 36	3 54	24 23	1 50	21 50	1 52	1 40	0 5	14 21	1 5	22 58	0 12	11 30	0 45	1 41	1 38	26 27	8 59	21 26	21 14	14 17	17 47	5 31
F 12	23 31	1s40	4 32	24 7	1 47	21 33	1 52	1 52	0 7	14 18	1 5	22 57	0 12	11 29	0 45	1 41	1 38	26 27	8 59	21 26	21 14	14 14	17 47	5 31
S 13	23 32	6 57	5 0	23 49	1 42	21 17	1 51	2 3	0 8	14 14	1 5	22 57	0 12	11 28	0 45	1 41	1 38	26 26	8 59	21 26	21 15	14 11	17 46	5 31
S 14	23 32	12 5	5 13	23 30	1 38	20 59	1 51	2 15	0 10	14 11	1 5	22 56	0 12	11 27	0 45	1 42	1 38	26 26	8 59	21 26	21 15	14 9	17 46	5 31
M15	23 33	16 51	5 12	23 9	1 32	20 41	1 50	2 26	0 11	14 8	1 5	22 56	0 12	11 27	0 45	1 42	1 38	26 25	8 59	21 26	21 16	14 6	17 45	5 31
T 16	23 32	20 58	4 54	22 48	1 26	20 23	1 50	2 38	0 13	14 4	1 5	22 55	0 12	11 26	0 45	1 42	1 38	26 25	8 59	21 27	21 17	14 3	17 45	5 31
W17	23 32	24 5	4 19	22 26	1 20	20 4	1 49	2 50	0 14	14 1	1 5	22 55	0 12	11 25	0 45	1 42	1 38	26 24	8 59	21 27	21 17	14 0	17 45	5 31
T 18	23 31	25 49	3 28	22 2	1 13	19 44	1 48	3 2	0 15	13 57	1 5	22 54	0 12	11 24	0 45	1 42	1 38	26 24	8 59	21 28	21 18	13 58	17 44	5 31
F 19	23 29	25 52	2 22	21 38	1 5	19 24	1 47	3 14	0 17	13 54	1 5	22 54	0 12	11 23	0 45	1 43	1 38	26 23	8 59	21 28	21 18	13 55	17 44	5 31
S 20	23 27	24 7	1 6	21 13	0 57	19 4	1 46	3 26	0 18	13 50	1 5	22 53	0 12	11 22	0 45	1 43	1 38	26 23	8 59	21 28	21 19	13 52	17 43	5 31
S 21	23 25	20 41	0n16	20 48	0 49	18 43	1 45	3 38	0 19	13 47	1 5	22 53	0 11	11 21	0 45	1 43	1 38	26 22	8 59	21 28	21 19	13 49	17 43	5 31
M22	23 22	15 54	1 37	20 22	0 40	18 21	1 44	3 50	0 21	13 43	1 4	22 52	0 11	11 21	0 45	1 43	1 39	26 22	8 59	21 28	21 20	13 46	17 42	5 31
T 23	23 19	10 12	2 50	19 55	0 31	17 59	1 42	4 3	0 22	13 39	1 4	22 51	0 11	11 20	0 45	1 43	1 39	26 21	8 58	21 28	21 21	13 44	17 42	5 31
W24	23 16	4 1	3 52	19 29	0 21	17 37	1 41	4 15	0 23	13 36	1 4	22 51	0 11	11 19	0 45	1 43	1 39	26 21	8 58	21 28	21 21	13 41	17 41	5 31
T 25	23 12	2n15	4 38	19 2	0 11	17 14	1 40	4 28	0 24	13 32	1 4	22 50	0 11	11 18	0 45	1 43	1 39	26 20	8 58	21 28	21 22	13 38	17 41	5 31
F 26	23 7	8 15	5 6	18 35	0 0	16 51	1 38	4 40	0 26	13 28	1 4	22 50	0 11	11 17	0 45	1 43	1 39	26 20	8 58	21 28	21 22	13 35	17 40	5 31
S 27	23 3	13 44	5 17	18 8	0s11	16 27	1 36	4 53	0 27	13 24	1 4	22 49	0 11	11 16	0 45	1 43	1 39	26 19	8 58	21 28	21 23	13 32	17 40	5 31
S 28	22 57	18 26	5 9	17 41	0 22	16 3	1 34	5 6	0 28	13 21	1 4	22 48	0 11	11 15	0 45	1 43	1 39	26 18	8 58	21 28	21 23	13 30	17 39	5 31
M29	22 52	22 8	4 46	17 14	0 34	15 39	1 33	5 19	0 29	13 17	1 4	22 48	0 11	11 14	0 45	1 43	1 39	26 18	8 58	21 28	21 24	13 27	17 39	5 31
T 30	22n46	24n41	4n 9	16n48	0s46	15n14	1n31	5s32	0s30	13n13	1n 4	22n47	0s11	11n13	0n45	1n43	1s39	26n17	8n58	21s28	21s24	13n24	17n38	5s31

Julian Day Number = 2162796.5, Delta T = 13m02s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°42'59, Lahiri = 12°49'59 Julian Calendar 1 June 1209 == Greg. Calendar 8 June 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

JULY 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 3 28	15♋19'13	14♊24	11♌55	24♌28	13♎16	28♌12	12♋31	2♍51	8♈ 8	10♌32	23°R34	23♑55	18♌23	10♋24	W 1
T 2	19 7 24	16°16'30	26°45	12°44	25°38	13°47	28°23	12°39	2°54	8° 8	10°34	23♑33	23°51	18°29	10°30	T 2
F 3	19 11 21	17°13'47	8♋56	13°29	26°47	14°18	28°34	12°47	2°57	8° 8	10°35	23°33	23°48	18°36	10°37	F 3
S 4	19 15 17	18°11'04	20°57	14°11	27°56	14°49	28°45	12°54	3° 0	8° 8	10°37	23°D33	23°45	18°43	10°43	S 4
S 5	19 19 14	19° 8'22	2♌52	14°48	29° 5	15°21	28°56	13° 2	3° 2	8°R 8	10°39	23°33	23°42	18°49	10°49	S 5
M 6	19 23 11	20° 5'41	14°42	15°22	0♍14	15°53	29° 8	13°10	3° 5	8° 8	10°41	23°33	23°39	18°56	10°56	M 6
T 7	19 27 7	21° 3'01	26°30	15°52	1°23	16°25	29°19	13°18	3° 8	8° 8	10°43	23°33	23°35	19° 3	11° 2	T 7
W 8	19 31 4	22° 0'20	8♍18	16°17	2°32	16°57	29°30	13°25	3°11	8° 8	10°44	23°33	23°32	19° 9	11° 9	W 8
T 9	19 35 0	22°57'41	20°11	16°38	3°41	17°29	29°42	13°33	3°15	8° 8	10°46	23°34	23°29	19°16	11°15	T 9
F 10	19 38 57	23°55'02	2♎11	16°55	4°50	18° 2	29°54	13°41	3°18	8° 8	10°48	23°R34	23°26	19°22	11°21	F 10
S 11	19 42 53	24°52'24	14°24	17° 7	5°58	18°35	0♍ 5	13°48	3°21	8° 8	10°50	23°34	23°23	19°29	11°28	S 11
S 12	19 46 50	25°49'46	26°52	17°13	7° 7	19° 8	0°17	13°56	3°24	8° 7	10°52	23°D34	23°20	19°36	11°34	S 12
M13	19 50 46	26°47'09	9♏41	17°R15	8°15	19°41	0°29	14° 4	3°27	8° 7	10°53	23°34	23°16	19°42	11°40	M13
T 14	19 54 43	27°44'32	22°54	17°12	9°23	20°15	0°41	14°11	3°30	8° 7	10°55	23°34	23°13	19°49	11°47	T 14
W15	19 58 40	28°41'57	6♐33	17° 3	10°31	20°49	0°52	14°19	3°34	8° 7	10°57	23°34	23°10	19°56	11°53	W15
T 16	20 2 36	29°39'22	20°38	16°49	11°39	21°23	1° 4	14°27	3°37	8° 6	10°59	23°35	23° 7	20° 2	11°59	T 16
F 17	20 6 33	0♌36'48	5♑ 8	16°30	12°47	21°57	1°16	14°34	3°40	8° 6	11° 1	23°35	23° 4	20° 9	12° 5	F 17
S 18	20 10 29	1°34'14	19°59	16° 6	13°55	22°31	1°28	14°42	3°43	8° 5	11° 3	23°R36	23° 1	20°16	12°12	S 18
S 19	20 14 26	2°31'42	5♒ 4	15°36	15° 2	23° 6	1°40	14°49	3°47	8° 5	11° 5	23°35	22°57	20°22	12°18	S 19
M20	20 18 22	3°29'11	20°14	15° 3	16°10	23°40	1°52	14°57	3°50	8° 5	11° 6	23°35	22°54	20°29	12°24	M20
T 21	20 22 19	4°26'41	5♓20	14°25	17°17	24°15	2° 5	15° 5	3°54	8° 4	11° 8	23°34	22°51	20°36	12°30	T 21
W22	20 26 15	5°24'12	20°12	13°43	18°24	24°50	2°17	15°12	3°57	8° 3	11°10	23°33	22°48	20°42	12°36	W22
T 23	20 30 12	6°21'45	4♈45	12°58	19°31	25°25	2°29	15°19	4° 0	8° 3	11°12	23°31	22°45	20°49	12°42	T 23
F 24	20 34 9	7°19'19	18°54	12°11	20°38	26° 1	2°41	15°27	4° 4	8° 2	11°14	23°30	22°41	20°56	12°49	F 24
S 25	20 38 5	8°16'54	2♉38	11°22	21°45	26°36	2°54	15°34	4° 7	8° 2	11°16	23°D29	22°38	21° 2	12°55	S 25
S 26	20 42 2	9°14'32	15°57	10°32	22°51	27°12	3° 6	15°42	4°11	8° 1	11°18	23°29	22°35	21° 9	13° 1	S 26
M27	20 45 58	10°12'10	28°53	9°42	23°58	27°48	3°18	15°49	4°14	8° 0	11°20	23°30	22°32	21°16	13° 7	M27
T 28	20 49 55	11° 9'51	11♊29	8°53	25° 4	28°24	3°31	15°56	4°18	8° 0	11°22	23°31	22°29	21°22	13°13	T 28
W29	20 53 51	12° 7'33	23°50	8° 7	26°10	29° 1	3°43	16° 4	4°21	7°59	11°23	23°33	22°26	21°29	13°19	W29
T 30	20 57 48	13° 5'17	5♋59	7°23	27°16	29°37	3°56	16°11	4°25	7°58	11°25	23°34	22°22	21°36	13°25	T 30
F 31	21 1 44	14♌ 3'02	17♋58	6♌44	28♍22	0♏14	4♍ 8	16♋18	4♍29	7♈57	11♌27	23°R35	22♑19	21♌42	13♋30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n40	25n57	3n21	16n22	0s58	14n49	1n29	5s45	0s32	13n 9	1n 4	22n47	0s11	11n12	0n44	1n43	1s39	26n17	8n58	21s29	21s25	13n21	17n38	5s31
T 2	22 33	25 53	2 23	15 56	1 10	14 23	1 26	5 58	0 33	13 5	1 4	22 46	0 10	11 11	0 44	1 43	1 39	26 16	8 58	21 29	21 26	13 18	17 37	5 31
F 3	22 26	24 35	1 20	15 31	1 23	13 57	1 24	6 11	0 34	13 1	1 4	22 45	0 10	11 9	0 44	1 43	1 39	26 16	8 58	21 29	21 26	13 16	17 36	5 32
S 4	22 18	22 8	0 14	15 7	1 36	13 31	1 22	6 24	0 35	12 57	1 4	22 45	0 10	11 8	0 44	1 43	1 39	26 15	8 58	21 29	21 27	13 13	17 36	5 32
S 5	22 10	18 46	0s52	14 44	1 49	13 5	1 19	6 37	0 36	12 53	1 4	22 44	0 10	11 7	0 44	1 43	1 39	26 15	8 58	21 29	21 27	13 10	17 35	5 32
M 6	22 2	14 40	1 55	14 21	2 2	12 38	1 17	6 51	0 37	12 49	1 4	22 43	0 10	11 6	0 44	1 43	1 39	26 14	8 58	21 29	21 28	13 7	17 35	5 32
T 7	21 53	10 1	2 53	14 0	2 15	12 11	1 14	7 4	0 38	12 45	1 3	22 43	0 10	11 5	0 44	1 43	1 39	26 14	8 58	21 29	21 28	13 4	17 34	5 32
W 8	21 44	5 2	3 44	13 39	2 29	11 44	1 11	7 17	0 39	12 41	1 3	22 42	0 10	11 4	0 44	1 43	1 39	26 13	8 58	21 29	21 29	13 2	17 33	5 32
T 9	21 35	0s10	4 25	13 21	2 42	11 16	1 9	7 31	0 40	12 37	1 3	22 41	0 10	11 3	0 44	1 43	1 40	26 13	8 58	21 29	21 29	12 59	17 33	5 32
F 10	21 25	5 24	4 56	13 3	2 55	10 48	1 6	7 44	0 41	12 33	1 3	22 40	0 10	11 2	0 44	1 43	1 40	26 12	8 58	21 29	21 30	12 56	17 32	5 32
S 11	21 15	10 31	5 14	12 47	3 8	10 20	1 3	7 58	0 42	12 29	1 3	22 40	0 10	11 1	0 44	1 43	1 40	26 12	8 58	21 29	21 31	12 53	17 31	5 33
S 12	21 4	15 19	5 17	12 33	3 21	9 52	1 0	8 11	0 43	12 24	1 3	22 39	0 10	10 59	0 44	1 43	1 40	26 11	8 58	21 29	21 31	12 50	17 31	5 33
M13	20 53	19 36	5 5	12 21	3 33	9 23	0 56	8 25	0 44	12 20	1 3	22 38	0 10	10 58	0 44	1 42	1 40	26 11	8 58	21 29	21 32	12 47	17 30	5 33
T 14	20 42	23 2	4 37	12 11	3 45	8 54	0 53	8 39	0 45	12 16	1 3	22 38	0 9	10 57	0 44	1 42	1 40	26 10	8 58	21 29	21 32	12 45	17 29	5 33
W15	20 31	25 19	3 53	12 3	3 56	8 25	0 50	8 52	0 46	12 12	1 3	22 37	0 9	10 56	0 44	1 42	1 40	26 10	8 58	21 29	21 33	12 42	17 28	5 33
T 16	20 19	26 5	2 53	11 57	4 6	7 56	0 46	9 6	0 47	12 7	1 3	22 36	0 9	10 55	0 44	1 42	1 40	26 9	8 58	21 28	21 33	12 39	17 28	5 34
F 17	20 6	25 7	1 41	11 53	4 16	7 27	0 43	9 20	0 48	12 3	1 3	22 35	0 9	10 53	0 44	1 42	1 40	26 8	8 58	21 28	21 34	12 36	17 27	5 34
S 18	19 54	22 23	0 20	11 52	4 25	6 58	0 39	9 33	0 49	11 59	1 3	22 35	0 9	10 52	0 44	1 41	1 40	26 8	8 58	21 28	21 34	12 33	17 26	5 34
S 19	19 41	18 4	1n 3	11 53	4 32	6 28	0 36	9 47	0 50	11 54	1 3	22 34	0 9	10 51	0 44	1 41	1 40	26 7	8 58	21 28	21 35	12 30	17 25	5 34
M20	19 28	12 33	2 23	11 57	4 39	5 58	0 32	10 1	0 51	11 50	1 3	22 33	0 9	10 50	0 44	1 41	1 40	26 7	8 58	21 28	21 35	12 28	17 25	5 34
T 21	19 14	6 19	3 31	12 3	4 43	5 28	0 28	10 14	0 52	11 45	1 3	22 32	0 9	10 48	0 44	1 41	1 40	26 6	8 58	21 29	21 36	12 25	17 24	5 35
W22	19 0	0n10	4 25	12 12	4 47	4 58	0 24	10 28	0 52	11 41	1 3	22 32	0 9	10 47	0 44	1 40	1 40	26 6	8 58	21 29	21 36	12 22	17 23	5 35
T 23	18 46	6 29	5 0	12 23	4 48	4 28	0 20	10 42	0 53	11 37	1 3	22 31	0 9	10 46	0 44	1 40	1 40	26 5	8 58	21 29	21 37	12 19	17 22	5 35
F 24	18 31	12 18	5 16	12 36	4 48	3 58	0 16	10 56	0 54	11 32	1 3	22 30	0 9	10 45	0 44	1 40	1 40	26 5	8 58	21 29	21 37	12 16	17 22	5 35
S 25	18 16	17 19	5 13	12 52	4 46	3 28	0 12	11 9	0 55	11 28	1 3	22 29	0 9	10 43	0 44	1 40	1 40	26 4	8 58	21 29	21 38	12 13	17 21	5 36
S 26	18 1	21 21	4 53	13 9	4 42	2 58	0 7	11 23	0 56	11 23	1 3	22 29	0 8	10 42	0 44	1 39	1 41	26 4	8 58	21 29	21 39	12 10	17 20	5 36
M27	17 46	24 12	4 18	13 27	4 36	2 27	0 3	11 37	0 57	11 19	1 3	22 28	0 8	10 41	0 44	1 39	1 41	26 3	8 58	21 29	21 39	12 8	17 19	5 36
T 28	17 30	25 46	3 32	13 47	4 29	1 57	0s 2	11 51	0 57	11 14	1 3	22 27	0 8	10 39	0 44	1 39	1 41	26 3	8 58	21 29	21 40	12 5	17 18	5 36
W29	17 14	26 1	2 37	14 8	4 20	1 26	0 6	12 4	0 58	11 9	1 3	22 26	0 8	10 38	0 44	1 38	1 41	26 3	8 59	21 29	21 40	12 2	17 17	5 37
T 30	16 58	25 0	1 36	14 30	4 9	0 56	0 11	12 18	0 59	11 5	1 3	22 25	0 8	10 37	0 44	1 38	1 41	26 2	8 59	21 29	21 41	11 59	17 16	5 37
F 31	16n41	22n51	0n31	14n52	3s56	0n25	0s15	12s32	1s 0	11n 0	1n 3	22n25	0s 8	10n35	0n44	1n38	1s41	26n 2	8n59	21s28	21s41	11n56	17n16	5s37

Julian Day Number = 2162826.5, Delta T = 13m02s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'03, Lahiri = 12°50'03 Julian Calendar 1 July 1209 == Greg. Calendar 8 July 1209

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1209
geocentric

AUGUST 1209 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 41	15♌ 0'48	29♋51	6°R 9	29♍28	0♏50	4♍21	16♋25	4♍32	7°R56	11♌29	23°R35	22♑16	21♌49	13♋36	S 1
S 2	21 9 38	15°58'36	11♌40	5♌40	0♎33	1°27	4°34	16°33	4°36	7♈56	11°31	23♑34	22°13	21°56	13°42	S 2
M 3	21 13 34	16°56'26	23°28	5°17	1°38	2° 5	4°46	16°40	4°39	7°55	11°33	23°31	22°10	22° 2	13°48	M 3
T 4	21 17 31	17°54'17	5♍17	5° 1	2°44	2°42	4°59	16°47	4°43	7°54	11°35	23°28	22° 7	22° 9	13°54	T 4
W 5	21 21 27	18°52'09	17° 9	4°53	3°48	3°19	5°12	16°54	4°47	7°53	11°37	23°24	22° 3	22°16	14° 0	W 5
T 6	21 25 24	19°50'03	29° 5	4°D52	4°53	3°57	5°24	17° 1	4°50	7°52	11°39	23°20	22° 0	22°22	14° 5	T 6
F 7	21 29 20	20°47'58	11♎10	4°58	5°58	4°35	5°37	17° 8	4°54	7°51	11°40	23°15	21°57	22°29	14°11	F 7
S 8	21 33 17	21°45'55	23°25	5°13	7° 2	5°13	5°50	17°15	4°58	7°50	11°42	23°12	21°54	22°36	14°16	S 8
S 9	21 37 13	22°43'53	5♏53	5°36	8° 6	5°51	6° 3	17°21	5° 1	7°49	11°44	23° 9	21°51	22°42	14°22	S 9
M10	21 41 10	23°41'52	18°39	6° 7	9°10	6°29	6°16	17°28	5° 5	7°48	11°46	23°D 8	21°47	22°49	14°28	M10
T 11	21 45 7	24°39'53	1♐45	6°46	10°14	7° 7	6°28	17°35	5° 9	7°47	11°48	23° 8	21°44	22°56	14°33	T 11
W12	21 49 3	25°37'55	15°15	7°33	11°17	7°46	6°41	17°42	5°13	7°45	11°50	23° 9	21°41	23° 2	14°38	W12
T 13	21 53 0	26°35'59	29°10	8°27	12°20	8°24	6°54	17°48	5°16	7°44	11°52	23°11	21°38	23° 9	14°44	T 13
F 14	21 56 56	27°34'04	13♑31	9°28	13°23	9° 3	7° 7	17°55	5°20	7°43	11°53	23°12	21°35	23°16	14°49	F 14
S 15	22 0 53	28°32'10	28°16	10°36	14°26	9°42	7°20	18° 2	5°24	7°42	11°55	23°R12	21°32	23°22	14°55	S 15
S 16	22 4 49	29°30'18	13♒19	11°51	15°28	10°21	7°33	18° 8	5°28	7°41	11°57	23°11	21°28	23°29	15° 0	S 16
M17	22 8 46	0♍28'28	28°32	13°11	16°30	11° 0	7°46	18°15	5°31	7°40	11°59	23° 8	21°25	23°36	15° 5	M17
T 18	22 12 42	1°26'39	13♓47	14°36	17°32	11°39	7°59	18°21	5°35	7°38	12° 1	23° 3	21°22	23°42	15°10	T 18
W19	22 16 39	2°24'52	28°52	16° 7	18°34	12°19	8°12	18°27	5°39	7°37	12° 2	22°57	21°19	23°49	15°15	W19
T 20	22 20 36	3°23'07	13♈38	17°42	19°35	12°58	8°25	18°34	5°43	7°36	12° 4	22°51	21°16	23°56	15°20	T 20
F 21	22 24 32	4°21'24	27°58	19°21	20°36	13°38	8°38	18°40	5°46	7°34	12° 6	22°46	21°13	24° 2	15°25	F 21
S 22	22 28 29	5°19'44	11♉50	21° 3	21°36	14°18	8°51	18°46	5°50	7°33	12° 8	22°42	21° 9	24° 9	15°30	S 22
S 23	22 32 25	6°18'05	25°14	22°48	22°37	14°58	9° 4	18°52	5°54	7°32	12°10	22°40	21° 6	24°16	15°35	S 23
M24	22 36 22	7°16'29	8♊10	24°35	23°37	15°38	9°17	18°58	5°58	7°30	12°11	22°D39	21° 3	24°22	15°40	M24
T 25	22 40 18	8°14'55	20°44	26°24	24°36	16°18	9°30	19° 4	6° 1	7°29	12°13	22°40	21° 0	24°29	15°45	T 25
W26	22 44 15	9°13'23	2♋59	28°14	25°36	16°58	9°43	19°10	6° 5	7°27	12°15	22°41	20°57	24°36	15°50	W26
T 27	22 48 11	10°11'53	15° 1	0♍ 5	26°34	17°39	9°56	19°16	6° 9	7°26	12°16	22°42	20°53	24°42	15°54	T 27
F 28	22 52 8	11°10'25	26°54	1°57	27°33	18°19	10° 9	19°22	6°13	7°25	12°18	22°R42	20°50	24°49	15°59	F 28
S 29	22 56 5	12° 9'00	8♌42	3°50	28°31	19° 0	10°22	19°28	6°17	7°23	12°20	22°41	20°47	24°56	16° 3	S 29
S 30	23 0 1	13° 7'36	20°30	5°43	29°29	19°41	10°35	19°33	6°20	7°22	12°22	22°37	20°44	25° 2	16° 8	S 30
M31	23 3 58	14♍ 6'15	2♍19	7♍35	0♏26	20♏22	10♍48	19♋39	6♍24	7♈20	12♌23	22♑31	20♑41	25♌ 9	16♋12	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n24	19n43	0s35	15n14	3s42	0s 5	0s20	12s45	1s 0	10n56	1n 3	22n24	0s 8	10n34	0n44	1n37	1s41	26n 1	8n59	21s28	21s42	11n53	17n15	5s38
S 2	16 7	15 47	1 38	15 35	3 27	0 36	0 25	12 59	1 1	10 51	1 3	22 23	0 8	10 33	0 44	1 37	1 41	26 1	8 59	21 29	21 42	11 50	17 14	5 38
M 3	15 50	11 17	2 37	15 56	3 11	1 7	0 30	13 13	1 2	10 46	1 3	22 22	0 8	10 31	0 44	1 36	1 41	26 0	8 59	21 29	21 43	11 48	17 13	5 38
T 4	15 32	6 22	3 30	16 17	2 54	1 37	0 35	13 26	1 3	10 42	1 3	22 21	0 8	10 30	0 44	1 36	1 41	26 0	8 59	21 30	21 43	11 45	17 12	5 39
W 5	15 14	1 13	4 13	16 36	2 37	2 8	0 40	13 40	1 3	10 37	1 3	22 21	0 8	10 29	0 44	1 36	1 41	25 59	8 59	21 30	21 44	11 42	17 11	5 39
T 6	14 56	4s 0	4 46	16 53	2 19	2 38	0 45	13 53	1 4	10 32	1 3	22 20	0 8	10 27	0 44	1 35	1 41	25 59	8 59	21 31	21 44	11 39	17 10	5 39
F 7	14 37	9 8	5 6	17 9	2 1	3 8	0 50	14 7	1 5	10 28	1 3	22 19	0 7	10 26	0 44	1 35	1 41	25 58	8 59	21 32	21 45	11 36	17 9	5 40
S 8	14 19	13 58	5 13	17 23	1 43	3 39	0 55	14 20	1 5	10 23	1 3	22 18	0 7	10 25	0 44	1 34	1 41	25 58	9 0	21 32	21 45	11 33	17 8	5 40
S 9	14 0	18 20	5 6	17 35	1 25	4 9	1 0	14 34	1 6	10 18	1 3	22 17	0 7	10 23	0 44	1 34	1 41	25 58	9 0	21 33	21 46	11 30	17 8	5 40
M10	13 41	21 58	4 43	17 44	1 7	4 39	1 5	14 47	1 7	10 13	1 3	22 17	0 7	10 22	0 44	1 33	1 41	25 57	9 0	21 33	21 46	11 27	17 7	5 41
T 11	13 21	24 36	4 5	17 51	0 50	5 9	1 11	15 0	1 7	10 9	1 3	22 16	0 7	10 21	0 44	1 33	1 41	25 57	9 0	21 33	21 47	11 25	17 6	5 41
W12	13 2	25 55	3 13	17 55	0 34	5 39	1 16	15 14	1 8	10 4	1 3	22 15	0 7	10 19	0 44	1 32	1 41	25 56	9 0	21 33	21 47	11 22	17 5	5 41
T 13	12 42	25 40	2 8	17 57	0 18	6 9	1 22	15 27	1 8	9 59	1 3	22 14	0 7	10 18	0 44	1 32	1 41	25 56	9 0	21 33	21 48	11 19	17 4	5 42
F 14	12 22	23 44	0 53	17 55	0 2	6 39	1 27	15 40	1 9	9 54	1 3	22 13	0 7	10 16	0 44	1 31	1 41	25 55	9 0	21 32	21 48	11 16	17 3	5 42
S 15	12 2	20 9	0n28	17 51	0n12	7 8	1 33	15 53	1 10	9 49	1 3	22 13	0 7	10 15	0 44	1 31	1 42	25 55	9 0	21 32	21 49	11 13	17 2	5 43
S 16	11 42	15 11	1 48	17 43	0 25	7 37	1 38	16 6	1 10	9 45	1 3	22 12	0 7	10 14	0 44	1 30	1 42	25 55	9 1	21 33	21 49	11 10	17 1	5 43
M17	11 21	9 13	3 1	17 32	0 38	8 7	1 44	16 19	1 11	9 40	1 3	22 11	0 7	10 12	0 44	1 30	1 42	25 54	9 1	21 33	21 50	11 7	17 0	5 43
T 18	11 0	2 42	4 1	17 18	0 49	8 36	1 49	16 32	1 11	9 35	1 3	22 10	0 7	10 11	0 44	1 29	1 42	25 54	9 1	21 34	21 50	11 4	16 59	5 44
W19	10 40	3n52	4 43	17 2	1 0	9 5	1 55	16 44	1 12	9 30	1 3	22 9	0 6	10 9	0 44	1 29	1 42	25 53	9 1	21 35	21 51	11 1	16 58	5 44
T 20	10 18	10 6	5 6	16 42	1 9	9 33	2 1	16 57	1 12	9 25	1 3	22 9	0 6	10 8	0 44	1 28	1 42	25 53	9 1	21 36	21 51	10 59	16 57	5 45
F 21	9 57	15 36	5 9	16 19	1 18	10 2	2 7	17 9	1 13	9 20	1 3	22 8	0 6	10 7	0 44	1 28	1 42	25 53	9 1	21 37	21 52	10 56	16 56	5 45
S 22	9 36	20 6	4 53	15 53	1 25	10 30	2 12	17 22	1 13	9 16	1 3	22 7	0 6	10 5	0 44	1 27	1 42	25 52	9 2	21 37	21 52	10 53	16 55	5 45
S 23	9 14	23 23	4 22	15 25	1 31	10 58	2 18	17 34	1 14	9 11	1 3	22 6	0 6	10 4	0 44	1 26	1 42	25 52	9 2	21 38	21 53	10 50	16 54	5 46
M24	8 53	25 21	3 38	14 54	1 36	11 26	2 24	17 47	1 14	9 6	1 3	22 6	0 6	10 3	0 44	1 26	1 42	25 52	9 2	21 38	21 53	10 47	16 53	5 46
T 25	8 31	25 57	2 44	14 21	1 41	11 54	2 30	17 59	1 15	9 1	1 3	22 5	0 6	10 1	0 44	1 25	1 42	25 51	9 2	21 38	21 54	10 44	16 52	5 47
W26	8 9	25 15	1 45	13 46	1 44	12 21	2 36	18 11	1 15	8 56	1 3	22 4	0 6	10 0	0 44	1 25	1 42	25 51	9 2	21 38	21 54	10 41	16 51	5 47
T 27	7 47	23 23	0 42	13 9	1 47	12 48	2 41	18 23	1 16	8 51	1 3	22 3	0 6	9 58	0 44	1 24	1 42	25 51	9 2	21 37	21 55	10 38	16 50	5 48
F 28	7 24	20 30	0s23	12 31	1 48	13 15	2 47	18 35	1 16	8 46	1 3	22 3	0 6	9 57	0 44	1 24	1 42	25 50	9 3	21 37	21 55	10 35	16 49	5 48
S 29	7 2	16 47	1 25	11 50	1 49	13 41	2 53	18 47	1 17	8 41	1 3	22 2	0 6	9 56	0 44	1 23	1 42	25 50	9 3	21 38	21 56	10 32	16 48	5 49
S 30	6 39	12 27	2 24	11 9	1 49	14 7	2 59	18 58	1 17	8 36	1 3	22 1	0 6	9 54	0 44	1 22	1 42	25 50	9 3	21 38	21 56	10 30	16 47	5 49
M31	6n17	7n38	3s16	10n27	1n49	14s33	3s 5	19s10	1s18	8n31	1n 3	22n 0	0s 5	9n53	0n44	1n22	1s42	25n49	9n 3	21s39	21s57	10n27	16n46	5s50

Julian Day Number = 2162857.5, Delta T = 13m02s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'07, Lahiri = 12°50'08 Julian Calendar 1 Aug. 1209 == Greg. Calendar 8 Aug. 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

SEPTEMBER 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 54	15♍ 4'55	14♍12	9♍28	1♏23	21♏ 3	11♍ 1	19♋45	6♍28	7°R19	12♌25	22°R23	20♑38	25♌16	16♋17	T 1
W 2	23 11 51	16° 3'38	26°11	11°20	2°19	21°44	11°14	19°50	6°31	7♈17	12°27	22♑13	20°34	25°22	16°21	W 2
T 3	23 15 47	17° 2'22	8♎16	13°11	3°15	22°25	11°27	19°55	6°35	7°16	12°28	22° 3	20°31	25°29	16°25	T 3
F 4	23 19 44	18° 1'08	20°30	15° 2	4°11	23° 6	11°40	20° 1	6°39	7°14	12°30	21°52	20°28	25°36	16°29	F 4
S 5	23 23 40	18°59'57	2♏54	16°53	5° 6	23°48	11°53	20° 6	6°43	7°12	12°31	21°43	20°25	25°42	16°34	S 5
S 6	23 27 37	19°58'47	15°30	18°42	6° 0	24°29	12° 5	20°11	6°46	7°11	12°33	21°36	20°22	25°49	16°38	S 6
M 7	23 31 33	20°57'39	28°18	20°31	6°54	25°11	12°18	20°16	6°50	7° 9	12°34	21°31	20°18	25°56	16°42	M 7
T 8	23 35 30	21°56'33	11♐23	22°19	7°47	25°53	12°31	20°21	6°54	7° 8	12°36	21°29	20°15	26° 2	16°45	T 8
W 9	23 39 27	22°55'28	24°47	24° 6	8°40	26°35	12°44	20°26	6°57	7° 6	12°38	21°D28	20°12	26° 9	16°49	W 9
T 10	23 43 23	23°54'26	8♑31	25°52	9°32	27°17	12°57	20°31	7° 1	7° 4	12°39	21°29	20° 9	26°16	16°53	T 10
F 11	23 47 20	24°53'25	22°37	27°37	10°23	27°59	13°10	20°36	7° 5	7° 3	12°41	21°R29	20° 6	26°22	16°57	F 11
S 12	23 51 16	25°52'26	7♒ 6	29°22	11°14	28°41	13°23	20°41	7° 8	7° 1	12°42	21°28	20° 3	26°29	17° 0	S 12
S 13	23 55 13	26°51'28	21°53	1♎ 5	12° 4	29°24	13°36	20°45	7°12	7° 0	12°43	21°25	19°59	26°36	17° 4	S 13
M14	23 59 9	27°50'33	6♓54	2°48	12°53	0♐ 6	13°49	20°50	7°16	6°58	12°45	21°19	19°56	26°42	17° 7	M14
T 15	0 3 6	28°49'39	22° 1	4°30	13°42	0°48	14° 1	20°54	7°19	6°56	12°46	21°11	19°53	26°49	17°11	T 15
W16	0 7 2	29°48'47	7♈ 3	6°11	14°30	1°31	14°14	20°59	7°23	6°55	12°48	21° 1	19°50	26°56	17°14	W16
T 17	0 10 59	0♎47'58	21°51	7°51	15°17	2°14	14°27	21° 3	7°26	6°53	12°49	20°51	19°47	27° 2	17°17	T 17
F 18	0 14 56	1°47'10	6♉16	9°30	16° 3	2°57	14°40	21° 7	7°30	6°51	12°50	20°41	19°44	27° 9	17°20	F 18
S 19	0 18 52	2°46'25	20°14	11° 9	16°48	3°39	14°52	21°11	7°33	6°50	12°52	20°32	19°40	27°16	17°23	S 19
S 20	0 22 49	3°45'43	3♊43	12°46	17°32	4°22	15° 5	21°15	7°37	6°48	12°53	20°26	19°37	27°22	17°26	S 20
M21	0 26 45	4°45'03	16°44	14°23	18°16	5° 5	15°18	21°19	7°40	6°46	12°54	20°23	19°34	27°29	17°29	M21
T 22	0 30 42	5°44'25	29°20	16° 0	18°58	5°49	15°30	21°23	7°44	6°45	12°56	20°22	19°31	27°36	17°32	T 22
W23	0 34 38	6°43'49	11♋36	17°35	19°40	6°32	15°43	21°27	7°47	6°43	12°57	20°D22	19°28	27°43	17°35	W23
T 24	0 38 35	7°43'16	23°37	19°10	20°20	7°15	15°55	21°30	7°51	6°41	12°58	20°R22	19°24	27°49	17°38	T 24
F 25	0 42 31	8°42'45	5♌28	20°44	20°59	7°59	16° 8	21°34	7°54	6°40	12°59	20°21	19°21	27°56	17°40	F 25
S 26	0 46 28	9°42'16	17°16	22°18	21°37	8°42	16°20	21°37	7°57	6°38	13° 1	20°18	19°18	28° 3	17°43	S 26
S 27	0 50 25	10°41'50	29° 4	23°50	22°14	9°26	16°33	21°41	8° 1	6°36	13° 2	20°13	19°15	28° 9	17°45	S 27
M28	0 54 21	11°41'26	10♍57	25°23	22°50	10° 9	16°45	21°44	8° 4	6°34	13° 3	20° 4	19°12	28°16	17°47	M28
T 29	0 58 18	12°41'04	22°56	26°54	23°24	10°53	16°57	21°47	8° 7	6°33	13° 4	19°53	19° 9	28°23	17°50	T 29
W30	1 2 14	13♎40'44	5♎ 4	28♎25	23♏57	11♐37	17♍10	21♋50	8♍11	6♈31	13♌ 5	19♑40	19♑ 5	28♌29	17♋52	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n54	2n33	4s 1	9n43	1n48	14s59	3s11	19s21	1s18	8n27	1n 3	22n 0	0s 5	9n51	0n44	1n21	1s42	25n49	9n 3	21s41	21s57	10n24	16n45	5s50
W 2	5 31	2s40	4 34	8 59	1 46	15 24	3 17	19 32	1 19	8 22	1 3	21 59	0 5	9 50	0 44	1 20	1 42	25 49	9 4	21 42	21 58	10 21	16 44	5 51
T 3	5 8	7 50	4 56	8 14	1 44	15 49	3 23	19 43	1 19	8 17	1 3	21 58	0 5	9 49	0 44	1 20	1 42	25 49	9 4	21 44	21 58	10 18	16 43	5 51
F 4	4 45	12 44	5 5	7 28	1 41	16 14	3 28	19 54	1 19	8 12	1 3	21 58	0 5	9 47	0 44	1 19	1 42	25 48	9 4	21 45	21 59	10 15	16 42	5 52
S 5	4 22	17 12	4 59	6 42	1 37	16 38	3 34	20 5	1 20	8 7	1 3	21 57	0 5	9 46	0 44	1 19	1 42	25 48	9 4	21 47	21 59	10 12	16 41	5 52
S 6	3 59	21 0	4 39	5 55	1 34	17 2	3 40	20 16	1 20	8 2	1 3	21 56	0 5	9 44	0 44	1 18	1 42	25 48	9 5	21 48	22 0	10 9	16 40	5 53
M 7	3 36	23 51	4 5	5 9	1 30	17 25	3 46	20 27	1 20	7 57	1 4	21 55	0 5	9 43	0 44	1 17	1 42	25 48	9 5	21 49	22 0	10 6	16 39	5 53
T 8	3 13	25 30	3 17	4 22	1 25	17 49	3 51	20 37	1 21	7 52	1 4	21 55	0 5	9 42	0 44	1 17	1 42	25 47	9 5	21 49	22 0	10 3	16 38	5 54
W 9	2 49	25 44	2 18	3 35	1 20	18 11	3 57	20 47	1 21	7 47	1 4	21 54	0 5	9 40	0 44	1 16	1 42	25 47	9 5	21 49	22 1	10 0	16 37	5 54
T 10	2 26	24 25	1 9	2 48	1 15	18 34	4 3	20 57	1 21	7 42	1 4	21 54	0 5	9 39	0 44	1 15	1 42	25 47	9 5	21 49	22 1	9 58	16 36	5 55
F 11	2 2	21 32	0n 6	2 1	1 10	18 56	4 8	21 7	1 22	7 37	1 4	21 53	0 5	9 38	0 44	1 15	1 42	25 47	9 6	21 49	22 2	9 55	16 35	5 55
S 12	1 39	17 15	1 22	1 14	1 4	19 17	4 14	21 17	1 22	7 32	1 4	21 52	0 4	9 36	0 44	1 14	1 42	25 46	9 6	21 49	22 2	9 52	16 34	5 56
S 13	1 15	11 50	2 34	0 28	0 59	19 38	4 20	21 27	1 22	7 28	1 4	21 52	0 4	9 35	0 44	1 13	1 42	25 46	9 6	21 50	22 3	9 49	16 33	5 57
M14	0 52	5 39	3 37	0s19	0 53	19 59	4 25	21 36	1 23	7 23	1 4	21 51	0 4	9 34	0 44	1 13	1 42	25 46	9 6	21 51	22 3	9 46	16 32	5 57
T 15	0 28	0n52	4 25	1 5	0 46	20 19	4 30	21 46	1 23	7 18	1 4	21 50	0 4	9 32	0 44	1 12	1 42	25 46	9 7	21 52	22 4	9 43	16 31	5 58
W16	0 4	7 18	4 54	1 51	0 40	20 38	4 36	21 55	1 23	7 13	1 4	21 50	0 4	9 31	0 44	1 11	1 42	25 46	9 7	21 54	22 4	9 40	16 30	5 58
T 17	0s19	13 13	5 2	2 37	0 34	20 58	4 41	22 4	1 23	7 8	1 4	21 49	0 4	9 30	0 44	1 11	1 42	25 46	9 7	21 55	22 5	9 37	16 29	5 59
F 18	0 43	18 15	4 51	3 22	0 27	21 16	4 46	22 12	1 24	7 3	1 4	21 49	0 4	9 28	0 44	1 10	1 42	25 45	9 7	21 57	22 5	9 34	16 28	5 59
S 19	1 6	22 6	4 23	4 7	0 20	21 34	4 51	22 21	1 24	6 58	1 4	21 48	0 4	9 27	0 44	1 9	1 42	25 45	9 8	21 58	22 6	9 31	16 27	6 0
S 20	1 30	24 36	3 41	4 51	0 14	21 52	4 56	22 29	1 24	6 54	1 4	21 48	0 4	9 26	0 44	1 9	1 42	25 45	9 8	21 59	22 6	9 28	16 26	6 1
M21	1 54	25 40	2 48	5 36	0 7	22 9	5 1	22 37	1 24	6 49	1 5	21 47	0 4	9 25	0 44	1 8	1 42	25 45	9 8	21 59	22 7	9 25	16 25	6 1
T 22	2 17	25 22	1 49	6 19	0s 0	22 26	5 6	22 45	1 25	6 44	1 5	21 47	0 4	9 23	0 44	1 7	1 42	25 45	9 9	22 0	22 7	9 22	16 24	6 2
W23	2 41	23 48	0 46	7 2	0 7	22 42	5 11	22 53	1 25	6 39	1 5	21 46	0 3	9 22	0 44	1 7	1 42	25 45	9 9	22 0	22 7	9 19	16 24	6 2
T 24	3 5	21 11	0s17	7 45	0 14	22 58	5 15	23 1	1 25	6 34	1 5	21 46	0 3	9 21	0 44	1 6	1 42	25 45	9 9	22 0	22 8	9 17	16 23	6 3
F 25	3 28	17 42	1 19	8 27	0 21	23 12	5 19	23 8	1 25	6 29	1 5	21 45	0 3	9 20	0 44	1 5	1 42	25 45	9 9	22 0	22 8	9 14	16 22	6 4
S 26	3 52	13 33	2 17	9 9	0 28	23 27	5 24	23 15	1 25	6 25	1 5	21 45	0 3	9 18	0 44	1 5	1 42	25 45	9 10	22 0	22 9	9 11	16 21	6 4
S 27	4 15	8 53	3 10	9 50	0 35	23 41	5 28	23 22	1 26	6 20	1 5	21 44	0 3	9 17	0 44	1 4	1 42	25 44	9 10	22 1	22 9	9 8	16 20	6 5
M28	4 39	3 53	3 54	10 30	0 42	23 54	5 32	23 29	1 26	6 15	1 5	21 44	0 3	9 16	0 44	1 3	1 42	25 44	9 10	22 2	22 10	9 5	16 19	6 5
T 29	5 2	1s17	4 28	11 10	0 48	24 6	5 35	23 35	1 26	6 10	1 5	21 43	0 3	9 15	0 44	1 3	1 42	25 44	9 11	22 4	22 10	9 2	16 18	6 6
W30	5s25	6s28	4s50	11s49	0s55	24s18	5s39	23s42	1s26	6n 6	1n 5	21n43	0s 3	9n13	0n44	1n 2	1s42	25n44	9n11	22s 6	22s11	8n59	16n17	6s 7

Julian Day Number = 2162888.5, Delta T = 13m02s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'12, Lahiri = 12°50'12 Julian Calendar 1 Sept. 1209 == Greg. Calendar 8 Sept. 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

OCTOBER 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 11	14♎40'26	17♎23	29♎55	24♏29	12♐21	17♍22	21♋53	8♍14	6°R29	13♌ 6	19°R26	19♉ 2	28♌36	17♋54	T 1
F 2	1 10 7	15°40'10	29°52	1♏25	24°59	13° 5	17°34	21°56	8°17	6♈28	13° 7	19♉12	18°59	28°43	17°56	F 2
S 3	1 14 4	16°39'56	12♏32	2°54	25°27	13°49	17°46	21°59	8°20	6°26	13° 8	18°59	18°56	28°49	17°58	S 3
S 4	1 18 0	17°39'44	25°23	4°22	25°54	14°33	17°58	22° 1	8°23	6°25	13° 9	18°49	18°53	28°56	18° 0	S 4
M 5	1 21 57	18°39'34	8♐25	5°50	26°20	15°18	18°11	22° 4	8°26	6°23	13°10	18°42	18°49	29° 3	18° 1	M 5
T 6	1 25 54	19°39'26	21°38	7°17	26°43	16° 2	18°23	22° 6	8°29	6°21	13°11	18°37	18°46	29° 9	18° 3	T 6
W 7	1 29 50	20°39'20	5♑ 5	8°43	27° 5	16°46	18°35	22° 9	8°33	6°20	13°12	18°36	18°43	29°16	18° 4	W 7
T 8	1 33 47	21°39'15	18°46	10° 8	27°25	17°31	18°46	22°11	8°36	6°18	13°13	18°35	18°40	29°23	18° 6	T 8
F 9	1 37 43	22°39'12	2♒42	11°33	27°43	18°15	18°58	22°13	8°39	6°16	13°14	18°35	18°37	29°29	18° 7	F 9
S 10	1 41 40	23°39'10	16°54	12°57	28° 0	19° 0	19°10	22°15	8°41	6°15	13°15	18°34	18°34	29°36	18° 8	S 10
S 11	1 45 36	24°39'10	1♓21	14°21	28°14	19°45	19°22	22°17	8°44	6°13	13°16	18°30	18°30	29°43	18°10	S 11
M12	1 49 33	25°39'12	15°59	15°43	28°26	20°29	19°34	22°19	8°47	6°12	13°16	18°24	18°27	29°49	18°11	M12
T 13	1 53 29	26°39'15	0♈43	17° 4	28°35	21°14	19°45	22°20	8°50	6°10	13°17	18°15	18°24	29°56	18°12	T 13
W14	1 57 26	27°39'20	15°26	18°25	28°43	21°59	19°57	22°22	8°53	6° 9	13°18	18° 4	18°21	0♍ 3	18°12	W14
T 15	2 1 22	28°39'27	29°59	19°44	28°48	22°44	20° 8	22°23	8°56	6° 7	13°18	17°52	18°18	0° 9	18°13	T 15
F 16	2 5 19	29°39'35	14♉16	21° 2	28°51	23°29	20°20	22°25	8°58	6° 6	13°19	17°40	18°15	0°16	18°14	F 16
S 17	2 9 16	0♏39'46	28°10	22°19	28°R52	24°14	20°31	22°26	9° 1	6° 4	13°20	17°31	18°11	0°23	18°15	S 17
S 18	2 13 12	1°39'59	11♊38	23°34	28°50	24°59	20°42	22°27	9° 4	6° 3	13°20	17°23	18° 8	0°29	18°15	S 18
M19	2 17 9	2°40'14	24°41	24°48	28°46	25°44	20°53	22°28	9° 6	6° 1	13°21	17°19	18° 5	0°36	18°15	M19
T 20	2 21 5	3°40'30	7♋20	25°59	28°40	26°30	21° 5	22°29	9° 9	6° 0	13°22	17°17	18° 2	0°43	18°16	T 20
W21	2 25 2	4°40'49	19°38	27° 9	28°31	27°15	21°16	22°30	9°12	5°58	13°22	17°D16	17°59	0°50	18°16	W21
T 22	2 28 58	5°41'10	1♌42	28°17	28°19	28° 0	21°27	22°31	9°14	5°57	13°23	17°R17	17°55	0°56	18°16	T 22
F 23	2 32 55	6°41'32	13°35	29°22	28° 6	28°46	21°38	22°31	9°16	5°55	13°23	17°17	17°52	1° 3	18°R16	F 23
S 24	2 36 52	7°41'57	25°24	0♐24	27°49	29°31	21°48	22°32	9°19	5°54	13°24	17°15	17°49	1°10	18°16	S 24
S 25	2 40 48	8°42'24	7♍14	1°23	27°31	0♑17	21°59	22°32	9°21	5°53	13°24	17°11	17°46	1°16	18°16	S 25
M26	2 44 45	9°42'52	19° 9	2°19	27°10	1° 3	22°10	22°32	9°24	5°51	13°24	17° 5	17°43	1°23	18°16	M26
T 27	2 48 41	10°43'22	1♎14	3°10	26°47	1°48	22°20	22°33	9°26	5°50	13°25	16°56	17°40	1°30	18°15	T 27
W28	2 52 38	11°43'54	13°31	3°57	26°22	2°34	22°31	22°R33	9°28	5°49	13°25	16°45	17°36	1°36	18°15	W28
T 29	2 56 34	12°44'28	26° 2	4°39	25°55	3°20	22°41	22°32	9°30	5°48	13°25	16°32	17°33	1°43	18°14	T 29
F 30	3 0 31	13°45'03	8♏48	5°15	25°26	4° 5	22°52	22°32	9°32	5°46	13°26	16°21	17°30	1°50	18°14	F 30
S 31	3 4 27	14♏45'40	21♏48	5♐45	24♏55	4♑51	23♍ 2	22♋32	9♍34	5♈45	13♌26	16♉10	17♉27	1♍56	18♋13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s48	11s27	4s59	12s27	1s 2	24s30	5s42	23s48	1s26	6n 1	1n 6	21n43	0s 3	9n12	0n44	1n 1	1s42	25n44	9n11	22s 8	22s11	8n56	16n16	6s 7
F 2	6 12	16 4	4 55	13 5	1 9	24 40	5 45	23 54	1 26	5 56	1 6	21 42	0 3	9 11	0 44	1 1	1 42	25 44	9 12	22 10	22 12	8 53	16 15	6 8
S 3	6 35	20 2	4 35	13 42	1 15	24 50	5 48	23 59	1 26	5 52	1 6	21 42	0 3	9 10	0 44	1 0	1 42	25 44	9 12	22 12	22 12	8 50	16 15	6 9
S 4	6 58	23 6	4 2	14 19	1 22	24 59	5 51	24 5	1 26	5 47	1 6	21 42	0 2	9 9	0 44	0 59	1 42	25 44	9 12	22 13	22 12	8 47	16 14	6 9
M 5	7 21	25 1	3 15	14 54	1 28	25 8	5 53	24 10	1 27	5 42	1 6	21 41	0 2	9 8	0 44	0 59	1 42	25 44	9 12	22 14	22 13	8 44	16 13	6 10
T 6	7 43	25 34	2 17	15 29	1 34	25 16	5 55	24 15	1 27	5 38	1 6	21 41	0 2	9 6	0 44	0 58	1 42	25 44	9 13	22 15	22 13	8 41	16 12	6 10
W 7	8 6	24 37	1 11	16 3	1 40	25 23	5 57	24 19	1 27	5 33	1 6	21 41	0 2	9 5	0 44	0 57	1 42	25 44	9 13	22 15	22 14	8 38	16 11	6 11
T 8	8 29	22 13	0n 1	16 36	1 46	25 29	5 59	24 24	1 27	5 29	1 6	21 40	0 2	9 4	0 44	0 57	1 42	25 44	9 13	22 15	22 14	8 35	16 10	6 12
F 9	8 51	18 27	1 14	17 8	1 52	25 34	6 0	24 28	1 27	5 24	1 7	21 40	0 2	9 3	0 44	0 56	1 42	25 44	9 14	22 15	22 15	8 32	16 10	6 12
S 10	9 13	13 33	2 24	17 40	1 58	25 39	6 1	24 32	1 27	5 20	1 7	21 40	0 2	9 2	0 45	0 56	1 42	25 44	9 14	22 15	22 15	8 29	16 9	6 13
S 11	9 35	7 51	3 25	18 10	2 3	25 43	6 1	24 35	1 27	5 15	1 7	21 40	0 2	9 1	0 45	0 55	1 42	25 44	9 14	22 15	22 15	8 27	16 8	6 14
M12	9 57	1 39	4 14	18 39	2 8	25 45	6 1	24 39	1 27	5 11	1 7	21 39	0 2	9 0	0 45	0 54	1 42	25 45	9 15	22 16	22 16	8 24	16 7	6 14
T 13	10 19	4n40	4 47	19 8	2 13	25 47	6 1	24 42	1 27	5 6	1 7	21 39	0 2	8 59	0 45	0 54	1 42	25 45	9 15	22 18	22 16	8 21	16 6	6 15
W14	10 41	10 43	5 0	19 35	2 18	25 48	6 0	24 45	1 27	5 2	1 7	21 39	0 2	8 58	0 45	0 53	1 42	25 45	9 15	22 19	22 17	8 18	16 6	6 16
T 15	11 3	16 6	4 54	20 1	2 22	25 48	5 59	24 47	1 27	4 57	1 7	21 39	0 1	8 57	0 45	0 53	1 42	25 45	9 16	22 21	22 17	8 15	16 5	6 16
F 16	11 24	20 28	4 29	20 26	2 26	25 47	5 57	24 50	1 27	4 53	1 7	21 39	0 1	8 56	0 45	0 52	1 42	25 45	9 16	22 22	22 18	8 12	16 4	6 17
S 17	11 45	23 33	3 49	20 50	2 30	25 45	5 55	24 52	1 27	4 49	1 8	21 39	0 1	8 55	0 45	0 51	1 42	25 45	9 16	22 23	22 18	8 9	16 3	6 18
S 18	12 6	25 12	2 57	21 13	2 33	25 42	5 52	24 54	1 27	4 44	1 8	21 39	0 1	8 54	0 45	0 51	1 42	25 45	9 17	22 24	22 18	8 6	16 3	6 18
M19	12 27	25 23	1 57	21 34	2 36	25 38	5 49	24 55	1 27	4 40	1 8	21 39	0 1	8 53	0 45	0 50	1 42	25 45	9 17	22 25	22 19	8 3	16 2	6 19
T 20	12 48	24 13	0 53	21 54	2 38	25 33	5 45	24 56	1 27	4 36	1 8	21 39	0 1	8 52	0 45	0 50	1 42	25 45	9 17	22 25	22 19	8 0	16 1	6 19
W21	13 8	21 53	0s13	22 12	2 40	25 26	5 40	24 58	1 27	4 31	1 8	21 38	0 1	8 51	0 45	0 49	1 42	25 46	9 18	22 25	22 20	7 57	16 1	6 20
T 22	13 28	18 38	1 16	22 29	2 42	25 18	5 35	24 58	1 27	4 27	1 8	21 38	0 1	8 50	0 45	0 49	1 42	25 46	9 18	22 25	22 20	7 54	16 0	6 21
F 23	13 48	14 40	2 15	22 45	2 43	25 10	5 29	24 59	1 27	4 23	1 9	21 38	0 1	8 49	0 45	0 48	1 42	25 46	9 18	22 25	22 21	7 51	15 59	6 21
S 24	14 8	10 9	3 8	22 59	2 43	25 0	5 23	24 59	1 26	4 19	1 9	21 39	0 1	8 48	0 45	0 48	1 42	25 46	9 19	22 25	22 21	7 48	15 59	6 22
S 25	14 28	5 17	3 53	23 11	2 43	24 48	5 16	24 59	1 26	4 15	1 9	21 39	0 0	8 47	0 45	0 47	1 42	25 46	9 19	22 26	22 21	7 45	15 58	6 23
M26	14 47	0 12	4 28	23 21	2 41	24 36	5 8	24 59	1 26	4 11	1 9	21 39	0 0	8 47	0 45	0 47	1 42	25 47	9 19	22 27	22 22	7 42	15 58	6 23
T 27	15 6	4s57	4 52	23 29	2 39	24 22	4 59	24 58	1 26	4 7	1 9	21 39	0 0	8 46	0 45	0 46	1 42	25 47	9 20	22 28	22 22	7 39	15 57	6 24
W28	15 25	10 0	5 2	23 35	2 36	24 7	4 50	24 57	1 26	4 3	1 9	21 39	0 0	8 45	0 45	0 46	1 42	25 47	9 20	22 29	22 23	7 36	15 56	6 25
T 29	15 44	14 44	4 59	23 40	2 33	23 51	4 40	24 56	1 26	3 59	1 10	21 39	0 0	8 44	0 45	0 45	1 42	25 47	9 20	22 31	22 23	7 33	15 56	6 25
F 30	16 2	18 55	4 40	23 41	2 28	23 34	4 30	24 54	1 26	3 55	1 10	21 39	0n 0	8 43	0 45	0 45	1 42	25 48	9 21	22 32	22 24	7 30	15 55	6 26
S 31	16s20	22s16	4s 7	23s41	2s21	23s16	4s19	24s53	1s26	3n51	1n10	21n39	0n 0	8n43	0n45	0n44	1s42	25n48	9n21	22s34	22s24	7n27	15n55	6s26

Julian Day Number = 2162918.5, Delta T = 13m02s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'16, Lahiri = 12°50'16 Julian Calendar 1 Oct. 1209 == Greg. Calendar 8 Oct. 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

NOVEMBER 1209 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 24	15♏46'19	5♐ 1	6♐ 7	24°R23	5♑37	23♍12	22°R31	9♍37	5°R44	13♌26	16°R 1	17♑24	2♍ 3	18°R12	S 1
M 2	3 12 20	16°46'59	18°25	6°22	23♏50	6°23	23°22	22♋31	9°39	5♈43	13°26	15♑55	17°21	2°10	18♋11	M 2
T 3	3 16 17	17°47'40	1♑59	6°R27	23°16	7° 9	23°32	22°30	9°40	5°42	13°26	15°52	17°17	2°16	18°10	T 3
W 4	3 20 14	18°48'23	15°42	6°24	22°41	7°55	23°42	22°29	9°42	5°40	13°27	15°D51	17°14	2°23	18° 9	W 4
T 5	3 24 10	19°49'06	29°32	6°10	22° 5	8°41	23°52	22°29	9°44	5°39	13°27	15°52	17°11	2°30	18° 8	T 5
F 6	3 28 7	20°49'51	13♒31	5°46	21°28	9°28	24° 1	22°28	9°46	5°38	13°27	15°52	17° 8	2°36	18° 6	F 6
S 7	3 32 3	21°50'37	27°36	5°10	20°52	10°14	24°11	22°27	9°48	5°37	13°27	15°R52	17° 5	2°43	18° 5	S 7
S 8	3 36 0	22°51'23	11♓48	4°25	20°16	11° 0	24°20	22°25	9°50	5°36	13°R27	15°51	17° 1	2°50	18° 4	S 8
M 9	3 39 56	23°52'11	26° 4	3°28	19°40	11°46	24°30	22°24	9°51	5°35	13°27	15°47	16°58	2°56	18° 2	M 9
T 10	3 43 53	24°52'59	10♈21	2°23	19° 4	12°33	24°39	22°23	9°53	5°34	13°27	15°41	16°55	3° 3	18° 0	T 10
W11	3 47 49	25°53'49	24°35	1°10	18°30	13°19	24°48	22°21	9°54	5°33	13°27	15°33	16°52	3°10	17°59	W11
T 12	3 51 46	26°54'40	8♉42	29♏51	17°56	14° 5	24°57	22°19	9°56	5°32	13°27	15°25	16°49	3°17	17°57	T 12
F 13	3 55 43	27°55'31	22°36	28°28	17°24	14°52	25° 6	22°18	9°57	5°31	13°26	15°16	16°46	3°23	17°55	F 13
S 14	3 59 39	28°56'24	6♊13	27° 6	16°54	15°38	25°15	22°16	9°59	5°31	13°26	15°10	16°42	3°30	17°53	S 14
S 15	4 3 36	29°57'18	19°30	25°46	16°25	16°25	25°23	22°14	10° 0	5°30	13°26	15° 4	16°39	3°37	17°51	S 15
M16	4 7 32	0♐58'14	2♋27	24°30	15°58	17°11	25°32	22°12	10° 1	5°29	13°26	15° 2	16°36	3°43	17°49	M16
T 17	4 11 29	1°59'10	15° 3	23°22	15°33	17°58	25°40	22°10	10° 3	5°28	13°26	15°D 1	16°33	3°50	17°46	T 17
W18	4 15 25	3° 0'08	27°22	22°23	15°10	18°44	25°49	22° 7	10° 4	5°27	13°25	15° 1	16°30	3°57	17°44	W18
T 19	4 19 22	4° 1'06	9♌27	21°35	14°50	19°31	25°57	22° 5	10° 5	5°27	13°25	15° 3	16°27	4° 3	17°42	T 19
F 20	4 23 19	5° 2'06	21°22	20°57	14°32	20°17	26° 5	22° 2	10° 6	5°26	13°25	15° 5	16°23	4°10	17°39	F 20
S 21	4 27 15	6° 3'07	3♍13	20°31	14°16	21° 4	26°13	22° 0	10° 7	5°25	13°24	15°R 5	16°20	4°17	17°36	S 21
S 22	4 31 12	7° 4'09	15° 4	20°17	14° 3	21°51	26°21	21°57	10° 8	5°25	13°24	15° 5	16°17	4°23	17°34	S 22
M23	4 35 8	8° 5'13	27° 0	20°D13	13°52	22°37	26°28	21°54	10° 9	5°24	13°23	15° 3	16°14	4°30	17°31	M23
T 24	4 39 5	9° 6'17	9♎ 7	20°19	13°43	23°24	26°36	21°51	10°10	5°24	13°23	15° 0	16°11	4°37	17°28	T 24
W25	4 43 1	10° 7'22	21°28	20°34	13°38	24°11	26°43	21°49	10°10	5°23	13°23	14°55	16° 7	4°43	17°25	W25
T 26	4 46 58	11° 8'28	4♏ 6	20°58	13°34	24°58	26°50	21°45	10°11	5°23	13°22	14°49	16° 4	4°50	17°22	T 26
F 27	4 50 54	12° 9'35	17° 3	21°30	13°D34	25°44	26°57	21°42	10°12	5°22	13°21	14°43	16° 1	4°57	17°19	F 27
S 28	4 54 51	13°10'43	0♐19	22° 8	13°35	26°31	27° 4	21°39	10°12	5°22	13°21	14°37	15°58	5° 4	17°16	S 28
S 29	4 58 48	14°11'52	13°53	22°53	13°39	27°18	27°11	21°36	10°13	5°21	13°20	14°33	15°55	5°10	17°13	S 29
M30	5 2 44	15♐13'01	27♐43	23♏43	13♏45	28♑ 5	27♍18	21♋32	10♍14	5♈21	13♌20	14♑30	15♑52	5♍17	17♋10	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s38	24s30	3s20	23s37	2s14	22s56	4s 7	24s51	1s25	3n47	1n10	21n39	0n 0	8n42	0n45	0n44	1s42	25n48	9n21	22s35	22s24	7n24	15n54	6s27
M 2	16 55	25 23	2 21	23 31	2 5	22 36	3 55	24 48	1 25	3 43	1 10	21 40	0 0	8 41	0 45	0 43	1 42	25 48	9 22	22 35	22 25	7 22	15 54	6 28
T 3	17 13	24 45	1 14	23 22	1 55	22 14	3 42	24 46	1 25	3 39	1 10	21 40	0 0	8 40	0 45	0 43	1 42	25 49	9 22	22 36	22 25	7 19	15 53	6 28
W 4	17 29	22 38	0 1	23 10	1 44	21 52	3 28	24 43	1 25	3 36	1 11	21 40	0 1	8 40	0 45	0 42	1 42	25 49	9 22	22 36	22 26	7 16	15 53	6 29
T 5	17 46	19 9	1n13	22 55	1 30	21 29	3 14	24 40	1 25	3 32	1 11	21 40	0 1	8 39	0 45	0 42	1 42	25 49	9 23	22 36	22 26	7 13	15 52	6 30
F 6	18 2	14 34	2 23	22 36	1 16	21 6	3 0	24 37	1 25	3 28	1 11	21 40	0 1	8 38	0 45	0 42	1 42	25 49	9 23	22 36	22 26	7 10	15 52	6 30
S 7	18 18	9 9	3 25	22 14	0 59	20 42	2 45	24 33	1 24	3 25	1 11	21 41	0 1	8 38	0 46	0 41	1 42	25 50	9 23	22 36	22 27	7 7	15 51	6 31
S 8	18 34	3 15	4 15	21 48	0 41	20 18	2 30	24 29	1 24	3 21	1 11	21 41	0 1	8 37	0 46	0 41	1 42	25 50	9 24	22 36	22 27	7 4	15 51	6 31
M 9	18 49	2n51	4 49	21 19	0 23	19 53	2 15	24 25	1 24	3 17	1 12	21 41	0 1	8 37	0 46	0 41	1 42	25 50	9 24	22 36	22 28	7 1	15 51	6 32
T 10	19 4	8 47	5 5	20 46	0 3	19 29	1 59	24 20	1 24	3 14	1 12	21 42	0 1	8 36	0 46	0 40	1 42	25 51	9 25	22 37	22 28	6 58	15 50	6 33
W11	19 19	14 15	5 3	20 12	0n18	19 4	1 44	24 15	1 23	3 10	1 12	21 42	0 1	8 36	0 46	0 40	1 41	25 51	9 25	22 38	22 28	6 55	15 50	6 33
T 12	19 33	18 54	4 42	19 35	0 38	18 40	1 28	24 10	1 23	3 7	1 12	21 42	0 1	8 35	0 46	0 39	1 41	25 51	9 25	22 39	22 29	6 52	15 50	6 34
F 13	19 47	22 26	4 5	18 57	0 58	18 16	1 13	24 5	1 23	3 4	1 12	21 43	0 2	8 34	0 46	0 39	1 41	25 52	9 26	22 40	22 29	6 49	15 49	6 34
S 14	20 1	24 37	3 14	18 20	1 18	17 52	0 57	23 59	1 23	3 0	1 13	21 43	0 2	8 34	0 46	0 39	1 41	25 52	9 26	22 41	22 30	6 46	15 49	6 35
S 15	20 14	25 21	2 14	17 44	1 36	17 29	0 42	23 54	1 22	2 57	1 13	21 44	0 2	8 34	0 46	0 39	1 41	25 53	9 26	22 41	22 30	6 43	15 49	6 35
M16	20 26	24 39	1 8	17 10	1 52	17 7	0 27	23 47	1 22	2 54	1 13	21 44	0 2	8 33	0 46	0 38	1 41	25 53	9 27	22 41	22 30	6 40	15 48	6 36
T 17	20 39	22 41	0s 0	16 40	2 6	16 45	0 12	23 41	1 22	2 51	1 13	21 45	0 2	8 33	0 46	0 38	1 41	25 53	9 27	22 42	22 31	6 37	15 48	6 37
W18	20 51	19 41	1 7	16 13	2 18	16 24	0n 3	23 34	1 22	2 48	1 13	21 45	0 2	8 32	0 46	0 38	1 41	25 54	9 27	22 42	22 31	6 34	15 48	6 37
T 19	21 3	15 54	2 9	15 51	2 28	16 5	0 17	23 27	1 21	2 45	1 14	21 46	0 2	8 32	0 46	0 38	1 41	25 54	9 28	22 41	22 32	6 31	15 48	6 38
F 20	21 14	11 31	3 5	15 34	2 36	15 46	0 31	23 20	1 21	2 42	1 14	21 46	0 2	8 31	0 46	0 37	1 41	25 55	9 28	22 41	22 32	6 28	15 48	6 38
S 21	21 25	6 46	3 52	15 22	2 41	15 28	0 45	23 13	1 21	2 39	1 14	21 47	0 2	8 31	0 46	0 37	1 41	25 55	9 28	22 41	22 32	6 25	15 47	6 39
S 22	21 35	1 46	4 30	15 15	2 45	15 12	0 58	23 5	1 20	2 36	1 14	21 47	0 2	8 31	0 46	0 37	1 41	25 55	9 29	22 41	22 33	6 22	15 47	6 39
M23	21 45	3s20	4 56	15 12	2 47	14 56	1 11	22 57	1 20	2 33	1 15	21 48	0 3	8 31	0 46	0 37	1 41	25 56	9 29	22 41	22 33	6 19	15 47	6 40
T 24	21 55	8 22	5 10	15 13	2 47	14 42	1 23	22 49	1 20	2 30	1 15	21 48	0 3	8 30	0 46	0 37	1 41	25 56	9 29	22 42	22 33	6 16	15 47	6 40
W25	22 4	13 11	5 9	15 18	2 46	14 29	1 35	22 40	1 19	2 27	1 15	21 49	0 3	8 30	0 46	0 36	1 41	25 57	9 30	22 42	22 34	6 13	15 47	6 41
T 26	22 13	17 33	4 54	15 27	2 43	14 17	1 46	22 31	1 19	2 25	1 15	21 49	0 3	8 30	0 46	0 36	1 41	25 57	9 30	22 43	22 34	6 10	15 47	6 41
F 27	22 21	21 12	4 24	15 39	2 40	14 7	1 57	22 22	1 19	2 22	1 16	21 50	0 3	8 30	0 46	0 36	1 41	25 58	9 30	22 44	22 35	6 7	15 47	6 42
S 28	22 29	23 52	3 38	15 53	2 36	13 57	2 8	22 13	1 18	2 20	1 16	21 51	0 3	8 29	0 46	0 36	1 41	25 58	9 30	22 44	22 35	6 4	15 46	6 42
S 29	22 36	25 13	2 40	16 9	2 30	13 49	2 18	22 4	1 18	2 17	1 16	21 51	0 3	8 29	0 46	0 36	1 41	25 59	9 31	22 45	22 35	6 1	15 46	6 42
M30	22s43	25s 2	1s31	16s27	2n25	13s42	2n27	21s54	1s17	2n15	1n16	21n52	0n 3	8n29	0n46	0n36	1s41	25n59	9n31	22s45	22s36	5n58	15n46	6s43

Julian Day Number = 2162949.5, Delta T = 13m01s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'20, Lahiri = 12°50'20 Julian Calendar 1 Nov. 1209 == Greg. Calendar 8 Nov. 1209

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ASTRODIENST EPHEMERIS for the year 1209
geocentric

DECEMBER 1209 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 41	16♐14'11	11♉45	24♏38	13♏54	28♉52	27♍24	21°R29	10♍14	5°R21	13°R19	14°D29	15♉48	5♍24	17°R 7	T 1
W 2	5 10 37	17°15'21	25°55	25°37	14° 5	29°39	27°31	21♋25	10°14	5♈21	13♌18	14♉30	15°45	5°30	17♋ 3	W 2
T 3	5 14 34	18°16'31	10♒ 9	26°39	14°18	0♒26	27°37	21°22	10°15	5°20	13°18	14°31	15°42	5°37	17° 0	T 3
F 4	5 18 30	19°17'42	24°24	27°45	14°33	1°12	27°43	21°18	10°15	5°20	13°17	14°33	15°39	5°44	16°56	F 4
S 5	5 22 27	20°18'52	8♓38	28°54	14°50	1°59	27°49	21°14	10°15	5°20	13°16	14°34	15°36	5°50	16°53	S 5
S 6	5 26 23	21°20'03	22°48	0♐ 6	15°10	2°46	27°55	21°10	10°15	5°20	13°15	14°R34	15°33	5°57	16°49	S 6
M 7	5 30 20	22°21'13	6♈52	1°19	15°31	3°33	28° 0	21° 6	10°16	5°20	13°15	14°34	15°29	6° 4	16°46	M 7
T 8	5 34 17	23°22'23	20°49	2°35	15°54	4°20	28° 6	21° 2	10°16	5°20	13°14	14°32	15°26	6°10	16°42	T 8
W 9	5 38 13	24°23'34	4♉37	3°52	16°19	5° 7	28°11	20°58	10°R16	5°20	13°13	14°29	15°23	6°17	16°38	W 9
T 10	5 42 10	25°24'44	18°15	5°11	16°45	5°54	28°16	20°54	10°16	5°D20	13°12	14°26	15°20	6°24	16°34	T 10
F 11	5 46 6	26°25'55	1♊40	6°31	17°14	6°41	28°21	20°50	10°15	5°20	13°11	14°24	15°17	6°31	16°30	F 11
S 12	5 50 3	27°27'05	14°52	7°52	17°44	7°28	28°26	20°45	10°15	5°20	13°10	14°21	15°13	6°37	16°27	S 12
S 13	5 53 59	28°28'16	27°49	9°14	18°15	8°15	28°31	20°41	10°15	5°20	13° 9	14°20	15°10	6°44	16°23	S 13
M14	5 57 56	29°29'26	10♋31	10°38	18°48	9° 2	28°35	20°37	10°15	5°20	13° 8	14°D19	15° 7	6°51	16°19	M14
T 15	6 1 53	0♉30'37	22°59	12° 2	19°23	9°49	28°40	20°32	10°14	5°20	13° 7	14°19	15° 4	6°57	16°15	T 15
W16	6 5 49	1°31'47	5♌13	13°27	19°59	10°36	28°44	20°28	10°14	5°20	13° 6	14°20	15° 1	7° 4	16°11	W16
T 17	6 9 46	2°32'58	17°16	14°53	20°36	11°23	28°48	20°23	10°14	5°21	13° 5	14°21	14°58	7°11	16° 7	T 17
F 18	6 13 42	3°34'08	29°11	16°20	21°15	12°10	28°51	20°19	10°13	5°21	13° 4	14°22	14°54	7°17	16° 3	F 18
S 19	6 17 39	4°35'19	11♍ 2	17°47	21°55	12°57	28°55	20°14	10°13	5°21	13° 3	14°23	14°51	7°24	15°58	S 19
S 20	6 21 35	5°36'30	22°53	19°15	22°36	13°44	28°59	20° 9	10°12	5°21	13° 2	14°24	14°48	7°31	15°54	S 20
M21	6 25 32	6°37'40	4♎49	20°43	23°18	14°31	29° 2	20° 5	10°11	5°22	13° 1	14°R24	14°45	7°38	15°50	M21
T 22	6 29 28	7°38'51	16°54	22°12	24° 1	15°18	29° 5	20° 0	10°11	5°22	13° 0	14°24	14°42	7°44	15°46	T 22
W23	6 33 25	8°40'02	29°13	23°42	24°45	16° 5	29° 8	19°55	10°10	5°23	12°59	14°24	14°39	7°51	15°42	W23
T 24	6 37 21	9°41'12	11♏50	25°12	25°31	16°52	29°10	19°50	10° 9	5°23	12°58	14°23	14°35	7°58	15°37	T 24
F 25	6 41 18	10°42'23	24°49	26°43	26°17	17°39	29°13	19°46	10° 8	5°24	12°56	14°23	14°32	8° 4	15°33	F 25
S 26	6 45 15	11°43'33	8♐11	28°14	27° 4	18°26	29°15	19°41	10° 7	5°24	12°55	14°22	14°29	8°11	15°29	S 26
S 27	6 49 11	12°44'43	21°57	29°45	27°53	19°13	29°18	19°36	10° 6	5°25	12°54	14°22	14°26	8°18	15°25	S 27
M28	6 53 8	13°45'53	6♑ 5	1♑18	28°42	19°59	29°19	19°31	10° 5	5°25	12°53	14°D22	14°23	8°24	15°20	M28
T 29	6 57 4	14°47'02	20°31	2°50	29°31	20°46	29°21	19°26	10° 4	5°26	12°52	14°R22	14°19	8°31	15°16	T 29
W30	7 1 1	15°48'11	5♒ 9	4°24	0♐22	21°33	29°23	19°21	10° 3	5°27	12°50	14°22	14°16	8°38	15°12	W30
T 31	7 4 57	16♑49'19	19♒53	5♑57	1♐13	22♒20	29♍24	19♋16	10♍ 2	5♈28	12♌49	14♑22	14♑13	8♍45	15♋ 7	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s50	23s16	0s15	16s46	2n19	13s36	2n36	21s44	1s17	2n12	1n16	21n53	0n 3	8n29	0n47	0n36	1s41	26n 0	9n31	22s45	22s36	5n55	15n46	6s43
W 2	22 56	20 2	1n 2	17 7	2 12	13 31	2 44	21 34	1 17	2 10	1 17	21 53	0 4	8 29	0 47	0 36	1 40	26 0	9 32	22 45	22 36	5 52	15 46	6 44
T 3	23 1	15 35	2 16	17 28	2 5	13 27	2 52	21 23	1 16	2 8	1 17	21 54	0 4	8 29	0 47	0 36	1 40	26 1	9 32	22 45	22 37	5 50	15 46	6 44
F 4	23 7	10 16	3 22	17 50	1 58	13 24	3 0	21 13	1 16	2 5	1 17	21 55	0 4	8 29	0 47	0 36	1 40	26 1	9 32	22 45	22 37	5 47	15 46	6 44
S 5	23 11	4 26	4 15	18 13	1 50	13 23	3 7	21 2	1 15	2 3	1 18	21 55	0 4	8 29	0 47	0 36	1 40	26 2	9 33	22 45	22 38	5 44	15 46	6 45
S 6	23 15	1n36	4 52	18 35	1 42	13 22	3 14	20 51	1 15	2 1	1 18	21 56	0 4	8 29	0 47	0 36	1 40	26 2	9 33	22 45	22 38	5 41	15 47	6 45
M 7	23 19	7 30	5 12	18 58	1 34	13 22	3 20	20 39	1 15	1 59	1 18	21 57	0 4	8 29	0 47	0 36	1 40	26 3	9 33	22 45	22 38	5 38	15 47	6 46
T 8	23 23	12 59	5 13	19 21	1 26	13 23	3 26	20 28	1 14	1 57	1 18	21 58	0 4	8 29	0 47	0 36	1 40	26 3	9 34	22 45	22 39	5 35	15 47	6 46
W 9	23 25	17 45	4 56	19 44	1 18	13 25	3 31	20 16	1 14	1 55	1 19	21 58	0 4	8 29	0 47	0 36	1 40	26 4	9 34	22 45	22 39	5 32	15 47	6 46
T 10	23 28	21 31	4 22	20 6	1 10	13 27	3 37	20 4	1 13	1 54	1 19	21 59	0 4	8 29	0 47	0 36	1 40	26 4	9 34	22 45	22 39	5 29	15 47	6 47
F 11	23 30	24 5	3 34	20 28	1 2	13 31	3 41	19 51	1 13	1 52	1 19	22 0	0 5	8 29	0 47	0 36	1 40	26 5	9 34	22 46	22 40	5 26	15 47	6 47
S 12	23 31	25 15	2 36	20 49	0 54	13 35	3 46	19 39	1 12	1 50	1 19	22 1	0 5	8 29	0 47	0 36	1 40	26 5	9 35	22 46	22 40	5 23	15 47	6 47
S 13	23 32	25 1	1 30	21 10	0 46	13 40	3 49	19 26	1 12	1 49	1 20	22 1	0 5	8 29	0 47	0 36	1 40	26 6	9 35	22 46	22 41	5 20	15 47	6 48
M14	23 32	23 28	0 21	21 30	0 38	13 45	3 53	19 13	1 12	1 47	1 20	22 2	0 5	8 29	0 47	0 36	1 40	26 7	9 35	22 46	22 41	5 17	15 48	6 48
T 15	23 32	20 47	0s48	21 50	0 30	13 51	3 56	19 0	1 11	1 46	1 20	22 3	0 5	8 29	0 47	0 36	1 40	26 7	9 36	22 46	22 41	5 14	15 48	6 48
W16	23 32	17 13	1 53	22 8	0 23	13 58	3 59	18 47	1 11	1 44	1 20	22 4	0 5	8 29	0 47	0 36	1 40	26 8	9 36	22 46	22 42	5 11	15 48	6 48
T 17	23 31	12 59	2 53	22 26	0 15	14 5	4 2	18 34	1 10	1 43	1 21	22 4	0 5	8 30	0 47	0 36	1 40	26 8	9 36	22 46	22 42	5 8	15 48	6 49
F 18	23 30	8 18	3 44	22 43	0 7	14 13	4 4	18 20	1 10	1 42	1 21	22 5	0 5	8 30	0 47	0 37	1 40	26 9	9 36	22 46	22 42	5 5	15 48	6 49
S 19	23 28	3 22	4 25	22 59	0s 0	14 21	4 6	18 6	1 9	1 40	1 21	22 6	0 6	8 30	0 47	0 37	1 40	26 9	9 37	22 46	22 43	5 2	15 49	6 49
S 20	23 25	1s41	4 55	23 14	0 8	14 30	4 8	17 52	1 9	1 39	1 21	22 7	0 6	8 30	0 47	0 37	1 40	26 10	9 37	22 46	22 43	4 59	15 49	6 49
M21	23 23	6 42	5 13	23 28	0 15	14 39	4 10	17 38	1 8	1 38	1 22	22 8	0 6	8 31	0 47	0 37	1 39	26 10	9 37	22 46	22 43	4 56	15 49	6 49
T 22	23 19	11 32	5 17	23 41	0 22	14 48	4 11	17 24	1 8	1 37	1 22	22 8	0 6	8 31	0 47	0 37	1 39	26 11	9 37	22 46	22 44	4 53	15 50	6 50
W23	23 15	16 1	5 7	23 52	0 29	14 58	4 12	17 9	1 7	1 36	1 22	22 9	0 6	8 31	0 47	0 38	1 39	26 12	9 38	22 46	22 44	4 50	15 50	6 50
T 24	23 11	19 55	4 42	24 3	0 36	15 8	4 12	16 54	1 7	1 36	1 23	22 10	0 6	8 32	0 48	0 38	1 39	26 12	9 38	22 46	22 44	4 47	15 50	6 50
F 25	23 7	22 58	4 2	24 12	0 42	15 18	4 13	16 39	1 6	1 35	1 23	22 11	0 6	8 32	0 48	0 38	1 39	26 13	9 38	22 46	22 45	4 44	15 51	6 50
S 26	23 1	24 51	3 8	24 20	0 49	15 29	4 13	16 24	1 5	1 34	1 23	22 12	0 6	8 32	0 48	0 38	1 39	26 13	9 38	22 46	22 45	4 41	15 51	6 50
S 27	22 56	25 19	2 1	24 27	0 55	15 39	4 13	16 9	1 5	1 33	1 23	22 13	0 6	8 33	0 48	0 39	1 39	26 14	9 38	22 46	22 45	4 38	15 51	6 50
M28	22 50	24 10	0 46	24 33	1 1	15 50	4 13	15 54	1 4	1 33	1 24	22 13	0 7	8 33	0 48	0 39	1 39	26 14	9 39	22 46	22 46	4 35	15 52	6 50
T 29	22 43	21 24	0n34	24 37	1 7	16 1	4 13	15 38	1 4	1 32	1 24	22 14	0 7	8 34	0 48	0 39	1 39	26 15	9 39	22 46	22 46	4 32	15 52	6 50
W30	22 36	17 14	1 53	24 40	1 12	16 12	4 12	15 23	1 3	1 32	1 24	22 15	0 7	8 34	0 48	0 40	1 39	26 16	9 39	22 46	22 46	4 29	15 52	6 50
T 31	22s29	11s59	3n 5	24s42	1s18	16s23	4n11	15s 7	1s 3	1n32	1n25	22n16	0n 7	8n35	0n48	0n40	1s39	26n16	9n39	22s46	22s47	4n26	15n53	6s51

Julian Day Number = 2162979.5, Delta T = 13m01s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'24, Lahiri = 12°50'24 Julian Calendar 1 Dec. 1209 == Greg. Calendar 8 Dec. 1209

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1210
geocentric

JANUARY 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 8 54	17♑50'26	4♓36	7♑32	2♐ 6	23♒ 7	29♏26	19°R11	10°R 0	5♈28	12°R48	14°R22	14♑10	8♏51	15°R 3	F 1
S 2	7 12 51	18°51'32	19°11	9° 6	2°58	23°54	29°27	19♋ 6	9♏59	5°29	12♎46	14♑21	14° 7	8°58	14♋59	S 2
S 3	7 16 47	19°52'36	3♈34	10°42	3°52	24°41	29°27	19° 1	9°58	5°30	12°45	14°21	14° 4	9° 5	14°55	S 3
M 4	7 20 44	20°53'40	17°41	12°18	4°46	25°28	29°28	18°56	9°56	5°31	12°44	14°D21	14° 0	9°11	14°50	M 4
T 5	7 24 40	21°54'43	1♉31	13°54	5°41	26°14	29°28	18°51	9°55	5°32	12°42	14°21	13°57	9°18	14°46	T 5
W 6	7 28 37	22°55'45	15° 5	15°31	6°36	27° 1	29°29	18°47	9°54	5°33	12°41	14°21	13°54	9°25	14°42	W 6
T 7	7 32 33	23°56'45	28°21	17° 9	7°32	27°48	29°R29	18°42	9°52	5°34	12°40	14°22	13°51	9°31	14°38	T 7
F 8	7 36 30	24°57'45	11♊23	18°48	8°28	28°35	29°29	18°37	9°50	5°35	12°38	14°23	13°48	9°38	14°33	F 8
S 9	7 40 26	25°58'43	24°10	20°27	9°25	29°22	29°28	18°32	9°49	5°36	12°37	14°24	13°45	9°45	14°29	S 9
S 10	7 44 23	26°59'40	6♋46	22° 6	10°23	0♓ 8	29°28	18°27	9°47	5°37	12°36	14°25	13°41	9°51	14°25	S 10
M11	7 48 20	28° 0'37	19°10	23°47	11°21	0°55	29°27	18°22	9°46	5°38	12°34	14°R25	13°38	9°58	14°21	M11
T 12	7 52 16	29° 1'32	1♌24	25°28	12°19	1°42	29°26	18°17	9°44	5°39	12°33	14°24	13°35	10° 5	14°17	T 12
W13	7 56 13	0♒ 2'25	13°29	27°10	13°18	2°28	29°25	18°13	9°42	5°40	12°31	14°22	13°32	10°12	14°13	W13
T 14	8 0 9	1° 3'18	25°28	28°52	14°18	3°15	29°24	18° 8	9°40	5°41	12°30	14°20	13°29	10°18	14° 9	T 14
F 15	8 4 6	2° 4'10	7♏22	0♒35	15°18	4° 2	29°23	18° 3	9°38	5°42	12°28	14°17	13°25	10°25	14° 5	F 15
S 16	8 8 2	3° 5'01	19°13	2°19	16°18	4°48	29°21	17°58	9°36	5°44	12°27	14°14	13°22	10°32	14° 1	S 16
S 17	8 11 59	4° 5'50	1♎ 4	4° 4	17°19	5°35	29°19	17°54	9°34	5°45	12°26	14°11	13°19	10°38	13°57	S 17
M18	8 15 55	5° 6'39	12°59	5°49	18°20	6°21	29°17	17°49	9°33	5°46	12°24	14° 9	13°16	10°45	13°53	M18
T 19	8 19 52	6° 7'27	25° 2	7°35	19°21	7° 8	29°15	17°45	9°31	5°47	12°23	14° 7	13°13	10°52	13°49	T 19
W20	8 23 49	7° 8'13	7♏17	9°22	20°23	7°54	29°13	17°40	9°28	5°49	12°21	14°D 7	13°10	10°59	13°45	W20
T 21	8 27 45	8° 8'59	19°49	11°10	21°25	8°41	29°10	17°36	9°26	5°50	12°20	14° 7	13° 6	11° 5	13°41	T 21
F 22	8 31 42	9° 9'44	2♐42	12°58	22°27	9°27	29° 7	17°31	9°24	5°52	12°18	14° 8	13° 3	11°12	13°38	F 22
S 23	8 35 38	10°10'27	15°59	14°46	23°30	10°13	29° 4	17°27	9°22	5°53	12°17	14°10	13° 0	11°19	13°34	S 23
S 24	8 39 35	11°11'10	29°43	16°36	24°33	11° 0	29° 1	17°22	9°20	5°55	12°15	14°11	12°57	11°25	13°30	S 24
M25	8 43 31	12°11'51	13♑55	18°25	25°37	11°46	28°58	17°18	9°18	5°56	12°14	14°R12	12°54	11°32	13°27	M25
T 26	8 47 28	13°12'31	28°31	20°16	26°40	12°32	28°54	17°14	9°16	5°58	12°12	14°11	12°51	11°39	13°23	T 26
W27	8 51 24	14°13'09	13♒27	22° 6	27°44	13°19	28°51	17°10	9°13	5°59	12°11	14° 9	12°47	11°45	13°20	W27
T 28	8 55 21	15°13'46	28°33	23°56	28°49	14° 5	28°47	17° 6	9°11	6° 1	12° 9	14° 6	12°44	11°52	13°17	T 28
F 29	8 59 18	16°14'21	13♓42	25°47	29°53	14°51	28°43	17° 2	9° 9	6° 2	12° 8	14° 1	12°41	11°59	13°13	F 29
S 30	9 3 14	17°14'55	28°42	27°37	0♑58	15°37	28°39	16°58	9° 6	6° 4	12° 7	13°56	12°38	12° 6	13°10	S 30
S 31	9 7 11	18♒15'26	13♈26	29♒27	2♑ 3	16♓24	28♏34	16♋54	9♏ 4	6♈ 5	12♌ 5	13♑51	12♑35	12♏12	13♋ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s21	6s 5	4n 4	24s42	1s23	16s35	4n10	14s51	1s 2	1n32	1n25	22n17	0n 7	8n35	0n48	0n40	1s39	26n17	9n40	22s46	22s47	4n23	15n53	6s51
S 2	22 13	0n 6	4 47	24 41	1 27	16 46	4 9	14 35	1 2	1 31	1 25	22 17	0 7	8 36	0 48	0 41	1 39	26 17	9 40	22 46	22 47	4 20	15 54	6 51
S 3	22 4	6 11	5 12	24 38	1 32	16 57	4 8	14 19	1 1	1 31	1 25	22 18	0 7	8 36	0 48	0 41	1 39	26 18	9 40	22 46	22 48	4 17	15 54	6 51
M 4	21 55	11 50	5 17	24 34	1 36	17 8	4 7	14 2	1 0	1 31	1 26	22 19	0 7	8 37	0 48	0 41	1 39	26 18	9 40	22 46	22 48	4 14	15 55	6 51
T 5	21 45	16 47	5 3	24 29	1 41	17 20	4 5	13 46	1 0	1 31	1 26	22 20	0 7	8 37	0 48	0 42	1 39	26 19	9 40	22 46	22 48	4 11	15 55	6 51
W 6	21 35	20 46	4 33	24 22	1 44	17 31	4 3	13 29	0 59	1 32	1 26	22 21	0 7	8 38	0 48	0 42	1 39	26 20	9 40	22 46	22 49	4 8	15 56	6 51
T 7	21 25	23 35	3 49	24 13	1 48	17 42	4 1	13 12	0 59	1 32	1 27	22 21	0 8	8 39	0 48	0 43	1 39	26 20	9 41	22 46	22 49	4 6	15 56	6 51
F 8	21 14	25 6	2 53	24 3	1 51	17 53	3 59	12 56	0 58	1 32	1 27	22 22	0 8	8 39	0 48	0 43	1 39	26 21	9 41	22 46	22 49	4 3	15 56	6 50
S 9	21 3	25 15	1 50	23 51	1 54	18 3	3 57	12 39	0 58	1 32	1 27	22 23	0 8	8 40	0 48	0 43	1 39	26 21	9 41	22 46	22 50	4 0	15 57	6 50
S 10	20 51	24 4	0 42	23 38	1 56	18 14	3 54	12 22	0 57	1 33	1 27	22 24	0 8	8 41	0 48	0 44	1 38	26 22	9 41	22 46	22 50	3 57	15 57	6 50
M11	20 39	21 44	0s26	23 23	1 59	18 25	3 52	12 4	0 56	1 33	1 28	22 25	0 8	8 41	0 48	0 44	1 38	26 22	9 41	22 46	22 50	3 54	15 58	6 50
T 12	20 27	18 26	1 33	23 7	2 0	18 35	3 49	11 47	0 56	1 34	1 28	22 25	0 8	8 42	0 48	0 45	1 38	26 23	9 41	22 46	22 51	3 51	15 59	6 50
W13	20 14	14 23	2 34	22 48	2 2	18 45	3 46	11 30	0 55	1 35	1 28	22 26	0 8	8 43	0 48	0 45	1 38	26 24	9 42	22 46	22 51	3 48	15 59	6 50
T 14	20 1	9 49	3 28	22 29	2 3	18 55	3 44	11 12	0 55	1 36	1 29	22 27	0 8	8 43	0 48	0 46	1 38	26 24	9 42	22 46	22 51	3 45	16 0	6 50
F 15	19 47	4 56	4 12	22 7	2 4	19 4	3 41	10 55	0 54	1 36	1 29	22 28	0 8	8 44	0 48	0 46	1 38	26 25	9 42	22 46	22 52	3 42	16 0	6 50
S 16	19 33	0s 5	4 46	21 44	2 4	19 14	3 38	10 37	0 53	1 37	1 29	22 28	0 9	8 45	0 48	0 47	1 38	26 25	9 42	22 47	22 52	3 39	16 1	6 50
S 17	19 19	5 7	5 7	21 19	2 4	19 23	3 34	10 19	0 53	1 38	1 29	22 29	0 9	8 46	0 48	0 47	1 38	26 26	9 42	22 47	22 52	3 36	16 1	6 49
M18	19 4	9 58	5 15	20 53	2 3	19 31	3 31	10 2	0 52	1 39	1 30	22 30	0 9	8 46	0 48	0 48	1 38	26 26	9 42	22 47	22 53	3 33	16 2	6 49
T 19	18 49	14 31	5 9	20 25	2 2	19 40	3 28	9 44	0 51	1 40	1 30	22 30	0 9	8 47	0 48	0 49	1 38	26 27	9 42	22 47	22 53	3 30	16 2	6 49
W20	18 34	18 33	4 50	19 55	2 0	19 48	3 24	9 26	0 51	1 42	1 30	22 31	0 9	8 48	0 48	0 49	1 38	26 27	9 42	22 47	22 53	3 27	16 3	6 49
T 21	18 18	21 52	4 16	19 24	1 58	19 55	3 21	9 8	0 50	1 43	1 30	22 32	0 9	8 49	0 48	0 50	1 38	26 28	9 42	22 47	22 54	3 24	16 4	6 49
F 22	18 2	24 12	3 29	18 51	1 56	20 3	3 17	8 49	0 50	1 44	1 31	22 32	0 9	8 50	0 49	0 50	1 38	26 28	9 43	22 47	22 54	3 21	16 4	6 48
S 23	17 46	25 16	2 29	18 16	1 52	20 10	3 13	8 31	0 49	1 46	1 31	22 33	0 9	8 50	0 49	0 51	1 38	26 29	9 43	22 47	22 54	3 18	16 5	6 48
S 24	17 30	24 51	1 19	17 39	1 49	20 16	3 10	8 13	0 48	1 47	1 31	22 34	0 9	8 51	0 49	0 52	1 38	26 29	9 43	22 47	22 55	3 15	16 5	6 48
M25	17 13	22 50	0 2	17 1	1 44	20 22	3 6	7 55	0 48	1 49	1 31	22 34	0 9	8 52	0 49	0 52	1 38	26 30	9 43	22 47	22 55	3 12	16 6	6 48
T 26	16 56	19 17	1n18	16 22	1 39	20 28	3 2	7 36	0 47	1 50	1 32	22 35	0 10	8 53	0 49	0 53	1 38	26 31	9 43	22 47	22 55	3 9	16 7	6 47
W27	16 38	14 24	2 33	15 41	1 34	20 33	2 58	7 18	0 46	1 52	1 32	22 36	0 10	8 54	0 49	0 54	1 38	26 31	9 43	22 47	22 55	3 6	16 7	6 47
T 28	16 20	8 36	3 39	14 58	1 28	20 38	2 54	7 0	0 46	1 54	1 32	22 36	0 10	8 55	0 49	0 54	1 38	26 32	9 43	22 48	22 56	3 3	16 8	6 47
F 29	16 2	2 17	4 30	14 15	1 21	20 43	2 50	6 41	0 45	1 56	1 32	22 37	0 10	8 56	0 49	0 55	1 38	26 32	9 43	22 48	22 56	3 0	16 8	6 46
S 30	15 44	4n 5	5 1	13 30	1 13	20 47	2 46	6 22	0 44	1 57	1 33	22 38	0 10	8 57	0 49	0 56	1 38	26 32	9 43	22 49	22 56	2 57	16 9	6 46
S 31	15s25	10n 6	5n12	12s44	1s 5	20s50	2n41	6s 4	0s44	1n59	1n33	22n38	0n10	8n57	0n49	0n56	1s38	26n33	9n43	22s49	22s57	2n54	16n10	6s46

Julian Day Number = 2163010.5, Delta T = 13m01s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'28, Lahiri = 12°50'29 Julian Calendar 1 Jan. 1210 == Greg. Calendar 8 Jan. 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

FEBRUARY 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 11 7	19♒15'56	27♈48	1♓16	3♉ 8	17♓10	28°R30	16°R50	9°R 2	6♈ 7	12°R 4	13°R48	12♉31	12♍19	13°R 4	M 1
T 2	9 15 4	20°16'24	11♉44	3° 3	4°13	17°56	28♍25	16♋47	8♍59	6° 9	12♌ 2	13♉46	12°28	12°26	13♋ 1	T 2
W 3	9 19 0	21°16'50	25°16	4°50	5°19	18°42	28°20	16°43	8°57	6°11	12° 1	13°D46	12°25	12°32	12°58	W 3
T 4	9 22 57	22°17'14	8♊25	6°34	6°24	19°28	28°15	16°39	8°54	6°12	11°59	13°47	12°22	12°39	12°55	T 4
F 5	9 26 53	23°17'36	21°14	8°17	7°30	20°14	28°10	16°36	8°52	6°14	11°58	13°49	12°19	12°46	12°52	F 5
S 6	9 30 50	24°17'56	3♋46	9°56	8°37	21° 0	28° 5	16°33	8°49	6°16	11°56	13°50	12°16	12°52	12°49	S 6
S 7	9 34 47	25°18'14	16° 5	11°32	9°43	21°46	28° 0	16°29	8°47	6°18	11°55	13°R50	12°12	12°59	12°46	S 7
M 8	9 38 43	26°18'30	28°14	13° 5	10°50	22°31	27°54	16°26	8°44	6°19	11°54	13°49	12° 9	13° 6	12°44	M 8
T 9	9 42 40	27°18'44	10♌16	14°32	11°56	23°17	27°48	16°23	8°42	6°21	11°52	13°46	12° 6	13°13	12°41	T 9
W10	9 46 36	28°18'56	22°13	15°55	13° 3	24° 3	27°43	16°20	8°39	6°23	11°51	13°40	12° 3	13°19	12°39	W10
T 11	9 50 33	29°19'07	4♍ 6	17°12	14°10	24°49	27°37	16°17	8°37	6°25	11°49	13°33	12° 0	13°26	12°36	T 11
F 12	9 54 29	0♓19'15	15°58	18°23	15°18	25°34	27°31	16°14	8°34	6°27	11°48	13°24	11°57	13°33	12°34	F 12
S 13	9 58 26	1°19'22	27°50	19°27	16°25	26°20	27°24	16°11	8°31	6°29	11°47	13°14	11°53	13°39	12°32	S 13
S 14	10 2 22	2°19'27	9♎44	20°23	17°32	27° 6	27°18	16° 9	8°29	6°31	11°45	13° 5	11°50	13°46	12°30	S 14
M15	10 6 19	3°19'30	21°41	21°12	18°40	27°51	27°12	16° 6	8°26	6°33	11°44	12°57	11°47	13°53	12°28	M15
T 16	10 10 16	4°19'31	3♏45	21°53	19°48	28°37	27° 5	16° 4	8°24	6°35	11°42	12°50	11°44	14° 0	12°26	T 16
W17	10 14 12	5°19'31	16° 0	22°24	20°56	29°22	26°58	16° 1	8°21	6°37	11°41	12°46	11°41	14° 6	12°24	W17
T 18	10 18 9	6°19'29	28°28	22°48	22° 4	0♈ 7	26°52	15°59	8°18	6°39	11°40	12°44	11°37	14°13	12°22	T 18
F 19	10 22 5	7°19'26	11♐15	23° 2	23°12	0°53	26°45	15°57	8°16	6°41	11°39	12°D44	11°34	14°20	12°20	F 19
S 20	10 26 2	8°19'21	24°23	23°R 7	24°21	1°38	26°38	15°55	8°13	6°43	11°37	12°44	11°31	14°26	12°19	S 20
S 21	10 29 58	9°19'14	7♑58	23° 3	25°29	2°24	26°31	15°53	8°11	6°45	11°36	12°R45	11°28	14°33	12°17	S 21
M22	10 33 55	10°19'06	22° 1	22°51	26°38	3° 9	26°23	15°51	8° 8	6°47	11°35	12°45	11°25	14°40	12°16	M22
T 23	10 37 51	11°18'55	6♒32	22°31	27°47	3°54	26°16	15°49	8° 5	6°49	11°33	12°43	11°22	14°46	12°15	T 23
W24	10 41 48	12°18'43	21°27	22° 3	28°55	4°39	26° 9	15°48	8° 3	6°51	11°32	12°38	11°18	14°53	12°13	W24
T 25	10 45 45	13°18'29	6♓39	21°28	0♒ 4	5°24	26° 2	15°46	8° 0	6°53	11°31	12°31	11°15	15° 0	12°12	T 25
F 26	10 49 41	14°18'13	21°59	20°47	1°13	6° 9	25°54	15°45	7°58	6°55	11°30	12°22	11°12	15° 7	12°11	F 26
S 27	10 53 38	15°17'55	7♈15	20° 2	2°23	6°54	25°47	15°43	7°55	6°57	11°29	12°12	11° 9	15°13	12°10	S 27
S 28	10 57 34	16♓17'34	22♈15	19♓12	3♒32	7♈39	25♍39	15♋42	7♍52	7♈ 0	11♌27	12♉ 3	11♉ 6	15♍20	12♋ 9	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 7	15n26	5n 3	11s57	0s56	20s53	2n37	5s45	0s43	2n 1	1n33	22n39	0n10	8n58	0n49	0n57	1s38	26n33	9n43	22s49	22s57	2n51	16n10	6s45
T 2	14 47	19 47	4 36	11 9	0 46	20 56	2 33	5 27	0 42	2 3	1 33	22 39	0 10	8 59	0 49	0 58	1 38	26 34	9 43	22 50	22 57	2 48	16 11	6 45
W 3	14 28	22 57	3 54	10 20	0 36	20 58	2 29	5 8	0 42	2 6	1 34	22 40	0 10	9 0	0 49	0 58	1 37	26 34	9 43	22 50	22 58	2 46	16 12	6 45
T 4	14 9	24 47	3 1	9 32	0 25	20 59	2 24	4 49	0 41	2 8	1 34	22 40	0 10	9 1	0 49	0 59	1 37	26 35	9 43	22 50	22 58	2 43	16 12	6 44
F 5	13 49	25 15	2 0	8 43	0 14	21 0	2 20	4 30	0 41	2 10	1 34	22 41	0 11	9 2	0 49	1 0	1 37	26 35	9 43	22 49	22 58	2 40	16 13	6 44
S 6	13 29	24 24	0 55	7 54	0 1	21 0	2 16	4 12	0 40	2 12	1 34	22 41	0 11	9 3	0 49	1 1	1 37	26 36	9 43	22 49	22 58	2 37	16 14	6 44
S 7	13 9	22 22	0s12	7 5	0n11	21 0	2 11	3 53	0 39	2 15	1 34	22 42	0 11	9 4	0 49	1 1	1 37	26 36	9 43	22 49	22 59	2 34	16 14	6 43
M 8	12 48	19 21	1 17	6 18	0 25	21 0	2 7	3 34	0 39	2 17	1 35	22 42	0 11	9 5	0 49	1 2	1 37	26 37	9 43	22 49	22 59	2 31	16 15	6 43
T 9	12 27	15 32	2 18	5 31	0 38	20 58	2 2	3 15	0 38	2 20	1 35	22 43	0 11	9 6	0 49	1 3	1 37	26 37	9 43	22 50	22 59	2 28	16 16	6 42
W10	12 7	11 8	3 12	4 46	0 52	20 57	1 58	2 57	0 37	2 22	1 35	22 43	0 11	9 7	0 49	1 4	1 37	26 37	9 43	22 50	23 0	2 25	16 16	6 42
T 11	11 46	6 21	3 58	4 3	1 7	20 54	1 53	2 38	0 37	2 25	1 35	22 44	0 11	9 8	0 49	1 4	1 37	26 38	9 43	22 51	23 0	2 22	16 17	6 41
F 12	11 24	1 22	4 33	3 22	1 21	20 52	1 49	2 19	0 36	2 27	1 35	22 44	0 11	9 9	0 49	1 5	1 37	26 38	9 43	22 52	23 0	2 19	16 17	6 41
S 13	11 3	3s39	4 56	2 44	1 36	20 48	1 44	2 0	0 35	2 30	1 36	22 45	0 11	9 10	0 49	1 6	1 37	26 39	9 43	22 53	23 0	2 16	16 18	6 41
S 14	10 42	8 33	5 6	2 8	1 50	20 44	1 40	1 41	0 35	2 33	1 36	22 45	0 11	9 11	0 49	1 7	1 37	26 39	9 43	22 54	23 1	2 13	16 19	6 40
M15	10 20	13 10	5 3	1 36	2 4	20 40	1 35	1 23	0 34	2 35	1 36	22 45	0 11	9 12	0 49	1 7	1 37	26 39	9 43	22 55	23 1	2 10	16 19	6 40
T 16	9 58	17 18	4 47	1 7	2 18	20 35	1 31	1 4	0 33	2 38	1 36	22 46	0 12	9 13	0 49	1 8	1 37	26 40	9 43	22 55	23 1	2 7	16 20	6 39
W17	9 36	20 47	4 17	0 42	2 32	20 29	1 26	0 45	0 33	2 41	1 36	22 46	0 12	9 14	0 49	1 9	1 37	26 40	9 43	22 56	23 2	2 4	16 21	6 39
T 18	9 14	23 23	3 35	0 22	2 44	20 23	1 22	0 26	0 32	2 44	1 36	22 46	0 12	9 15	0 49	1 10	1 37	26 40	9 43	22 56	23 2	2 1	16 21	6 38
F 19	8 51	24 52	2 41	0 5	2 56	20 16	1 17	0 7	0 31	2 47	1 37	22 47	0 12	9 16	0 49	1 11	1 37	26 41	9 43	22 56	23 2	1 58	16 22	6 38
S 20	8 29	25 2	1 37	0n 6	3 6	20 9	1 13	0n11	0 30	2 49	1 37	22 47	0 12	9 17	0 49	1 12	1 37	26 41	9 43	22 56	23 2	1 55	16 23	6 37
S 21	8 7	23 44	0 26	0 14	3 16	20 1	1 9	0 30	0 30	2 52	1 37	22 47	0 12	9 18	0 49	1 12	1 37	26 41	9 43	22 56	23 3	1 52	16 23	6 37
M22	7 44	20 55	0n49	0 16	3 24	19 52	1 4	0 49	0 29	2 55	1 37	22 48	0 12	9 19	0 49	1 13	1 37	26 42	9 43	22 56	23 3	1 49	16 24	6 36
T 23	7 21	16 44	2 4	0 14	3 30	19 43	1 0	1 7	0 28	2 58	1 37	22 48	0 12	9 20	0 49	1 14	1 37	26 42	9 43	22 56	23 3	1 46	16 24	6 36
W24	6 58	11 24	3 11	0 7	3 35	19 34	0 55	1 26	0 28	3 1	1 37	22 48	0 12	9 21	0 49	1 15	1 37	26 42	9 43	22 56	23 4	1 44	16 25	6 35
T 25	6 35	5 17	4 7	0s 4	3 38	19 24	0 51	1 45	0 27	3 4	1 37	22 49	0 12	9 22	0 49	1 16	1 37	26 43	9 43	22 57	23 4	1 41	16 26	6 35
F 26	6 12	1n10	4 45	0 19	3 39	19 13	0 47	2 3	0 26	3 7	1 37	22 49	0 12	9 23	0 49	1 17	1 37	26 43	9 43	22 58	23 4	1 38	16 26	6 34
S 27	5 49	7 31	5 2	0 37	3 38	19 2	0 42	2 22	0 26	3 11	1 37	22 49	0 12	9 24	0 49	1 17	1 37	26 43	9 43	22 59	23 4	1 35	16 27	6 34
S 28	5s26	13n19	4n59	0s59	3n36	18s50	0n38	2n40	0s25	3n14	1n38	22n49	0n13	9n25	0n49	1n18	1s37	26n43	9n43	23s 0	23s 5	1n32	16n28	6s33

Julian Day Number = 2163041.5, Delta T = 13m01s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'33, Lahiri = 12°50'33 Julian Calendar 1 Feb. 1210 == Greg. Calendar 8 Feb. 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

MARCH 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 1 31	17♓17'12	6♉53	18°R19	4♒41	8♈24	25°R32	15°R41	7°R50	7♈ 2	11°R26	11°R55	11♑ 2	15♍27	12°R 8	M 1
T 2	11 5 27	18°16'47	21° 2	17♓25	5°51	9° 9	25♍24	15♋40	7♍47	7° 4	11♌25	11♑50	10°59	15°33	12♋ 8	T 2
W 3	11 9 24	19°16'20	4♊42	16°30	7° 0	9°54	25°16	15°39	7°45	7° 6	11°24	11°47	10°56	15°40	12° 7	W 3
T 4	11 13 20	20°15'50	17°53	15°36	8°10	10°39	25° 9	15°38	7°42	7° 8	11°23	11°D46	10°53	15°47	12° 7	T 4
F 5	11 17 17	21°15'19	0♋40	14°44	9°19	11°24	25° 1	15°38	7°40	7°10	11°22	11°46	10°50	15°54	12° 6	F 5
S 6	11 21 14	22°14'44	13° 7	13°54	10°29	12° 8	24°53	15°37	7°37	7°13	11°21	11°R46	10°47	16° 0	12° 6	S 6
S 7	11 25 10	23°14'08	25°19	13° 8	11°39	12°53	24°45	15°37	7°35	7°15	11°20	11°46	10°43	16° 7	12° 6	S 7
M 8	11 29 7	24°13'29	7♌20	12°26	12°49	13°38	24°38	15°36	7°32	7°17	11°19	11°43	10°40	16°14	12° 6	M 8
T 9	11 33 3	25°12'48	19°15	11°49	13°59	14°22	24°30	15°36	7°30	7°19	11°18	11°37	10°37	16°20	12°D 6	T 9
W10	11 37 0	26°12'04	1♍ 7	11°17	15° 9	15° 7	24°22	15°36	7°27	7°21	11°17	11°29	10°34	16°27	12° 6	W10
T 11	11 40 56	27°11'19	12°57	10°50	16°19	15°51	24°14	15°D36	7°25	7°24	11°16	11°18	10°31	16°34	12° 6	T 11
F 12	11 44 53	28°10'31	24°49	10°29	17°29	16°36	24° 7	15°36	7°22	7°26	11°15	11° 5	10°28	16°41	12° 6	F 12
S 13	11 48 49	29° 9'41	6♎44	10°14	18°39	17°20	23°59	15°36	7°20	7°28	11°14	10°51	10°24	16°47	12° 7	S 13
S 14	11 52 46	0♈ 8'49	18°43	10° 5	19°49	18° 4	23°51	15°37	7°18	7°30	11°13	10°37	10°21	16°54	12° 7	S 14
M15	11 56 42	1° 7'55	0♏48	10°D 1	21° 0	18°49	23°44	15°37	7°15	7°33	11°12	10°24	10°18	17° 1	12° 8	M15
T 16	12 0 39	2° 6'59	12°59	10° 3	22°10	19°33	23°36	15°37	7°13	7°35	11°11	10°14	10°15	17° 7	12° 8	T 16
W17	12 4 36	3° 6'01	25°19	10°11	23°21	20°17	23°29	15°38	7°11	7°37	11°11	10° 6	10°12	17°14	12° 9	W17
T 18	12 8 32	4° 5'01	7♐51	10°23	24°31	21° 1	23°21	15°39	7° 9	7°39	11°10	10° 2	10° 8	17°21	12°10	T 18
F 19	12 12 29	5° 4'00	20°38	10°41	25°42	21°45	23°14	15°40	7° 6	7°42	11° 9	10° 0	10° 5	17°28	12°11	F 19
S 20	12 16 25	6° 2'57	3♑43	11° 3	26°53	22°29	23° 6	15°41	7° 4	7°44	11° 8	9°59	10° 2	17°34	12°12	S 20
S 21	12 20 22	7° 1'52	17°10	11°30	28° 3	23°13	22°59	15°42	7° 2	7°46	11° 8	9°59	9°59	17°41	12°13	S 21
M22	12 24 18	8° 0'46	1♒ 2	12° 1	29°14	23°57	22°51	15°43	7° 0	7°49	11° 7	9°58	9°56	17°48	12°14	M22
T 23	12 28 15	8°59'37	15°19	12°37	0♓25	24°41	22°44	15°44	6°58	7°51	11° 6	9°56	9°53	17°54	12°16	T 23
W24	12 32 11	9°58'27	0♓ 1	13°16	1°36	25°25	22°37	15°46	6°56	7°53	11° 6	9°50	9°49	18° 1	12°17	W24
T 25	12 36 8	10°57'15	15° 1	13°59	2°47	26° 9	22°30	15°47	6°54	7°55	11° 5	9°42	9°46	18° 8	12°19	T 25
F 26	12 40 5	11°56'01	0♈13	14°46	3°58	26°52	22°23	15°49	6°52	7°58	11° 4	9°32	9°43	18°15	12°20	F 26
S 27	12 44 1	12°54'45	15°26	15°36	5° 9	27°36	22°16	15°51	6°50	8° 0	11° 4	9°20	9°40	18°21	12°22	S 27
S 28	12 47 58	13°53'27	0♉29	16°29	6°20	28°20	22° 9	15°52	6°48	8° 2	11° 3	9° 9	9°37	18°28	12°24	S 28
M29	12 51 54	14°52'07	15°12	17°26	7°31	29° 3	22° 3	15°54	6°46	8° 4	11° 3	9° 0	9°33	18°35	12°26	M29
T 30	12 55 51	15°50'45	29°29	18°25	8°42	29°47	21°56	15°56	6°44	8° 7	11° 2	8°53	9°30	18°41	12°28	T 30
W31	12 59 47	16♈49'21	13♊16	19♓27	9♓53	0♉30	21♍49	15♋59	6♍42	8♈ 9	11♌ 2	8♑49	9♑27	18♍48	12♋30	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s 3	18n12	4n35	1s24	3n31	18s38	0n34	2n58	0s24	3n17	1n38	22n50	0n13	9n25	0n49	1n19	1s37	26n44	9n43	23s 0	23s 5	1n29	16n28	6s33
T 2	4 39	21 53	3 56	1 52	3 24	18 25	0 30	3 17	0 24	3 20	1 38	22 50	0 13	9 26	0 49	1 20	1 37	26 44	9 42	23 1	23 5	1 26	16 29	6 32
W 3	4 16	24 11	3 4	2 20	3 16	18 12	0 25	3 35	0 23	3 23	1 38	22 50	0 13	9 27	0 49	1 21	1 37	26 44	9 42	23 1	23 5	1 23	16 29	6 31
T 4	3 52	25 2	2 4	2 50	3 6	17 58	0 21	3 53	0 22	3 26	1 38	22 50	0 13	9 28	0 49	1 22	1 37	26 44	9 42	23 1	23 6	1 20	16 30	6 31
F 5	3 29	24 31	0 59	3 21	2 55	17 43	0 17	4 12	0 22	3 29	1 38	22 50	0 13	9 29	0 49	1 23	1 37	26 45	9 42	23 1	23 6	1 17	16 30	6 30
S 6	3 5	22 46	0s 7	3 52	2 43	17 28	0 13	4 30	0 21	3 32	1 38	22 50	0 13	9 30	0 49	1 24	1 37	26 45	9 42	23 1	23 6	1 14	16 31	6 30
S 7	2 42	20 0	1 11	4 22	2 29	17 13	0 9	4 48	0 20	3 35	1 38	22 51	0 13	9 31	0 49	1 24	1 37	26 45	9 42	23 1	23 6	1 11	16 32	6 29
M 8	2 18	16 24	2 11	4 51	2 15	16 57	0 5	5 6	0 20	3 38	1 38	22 51	0 13	9 32	0 49	1 25	1 37	26 45	9 42	23 1	23 7	1 8	16 32	6 29
T 9	1 55	12 11	3 5	5 19	2 0	16 41	0 1	5 24	0 19	3 42	1 38	22 51	0 13	9 33	0 49	1 26	1 37	26 45	9 42	23 2	23 7	1 5	16 33	6 28
W10	1 31	7 33	3 50	5 45	1 45	16 24	0s 2	5 42	0 18	3 45	1 38	22 51	0 13	9 34	0 49	1 27	1 37	26 45	9 42	23 3	23 7	1 2	16 33	6 28
T 11	1 7	2 39	4 25	6 10	1 29	16 7	0 6	6 0	0 18	3 48	1 38	22 51	0 13	9 35	0 49	1 28	1 37	26 46	9 41	23 4	23 7	1 0	16 34	6 27
F 12	0 44	2s21	4 48	6 32	1 14	15 49	0 10	6 17	0 17	3 51	1 38	22 51	0 14	9 36	0 49	1 29	1 37	26 46	9 41	23 5	23 8	0 57	16 34	6 27
S 13	0 20	7 16	4 59	6 52	0 58	15 31	0 14	6 35	0 16	3 54	1 38	22 51	0 14	9 36	0 49	1 30	1 37	26 46	9 41	23 6	23 8	0 54	16 35	6 26
S 14	0n 4	11 56	4 57	7 10	0 43	15 12	0 17	6 53	0 16	3 57	1 38	22 51	0 14	9 37	0 49	1 31	1 37	26 46	9 41	23 7	23 8	0 51	16 35	6 25
M15	0 27	16 11	4 42	7 25	0 28	14 53	0 21	7 10	0 15	4 0	1 38	22 51	0 14	9 38	0 49	1 32	1 37	26 46	9 41	23 8	23 8	0 48	16 36	6 25
T 16	0 51	19 49	4 13	7 38	0 13	14 34	0 24	7 28	0 14	4 3	1 38	22 51	0 14	9 39	0 49	1 32	1 37	26 46	9 41	23 9	23 9	0 45	16 36	6 24
W17	1 14	22 37	3 32	7 48	0s 1	14 14	0 28	7 45	0 14	4 6	1 38	22 51	0 14	9 40	0 49	1 33	1 37	26 46	9 41	23 9	23 9	0 42	16 37	6 24
T 18	1 38	24 22	2 41	7 56	0 15	13 54	0 31	8 2	0 13	4 9	1 38	22 51	0 14	9 41	0 49	1 34	1 37	26 46	9 40	23 10	23 9	0 39	16 37	6 23
F 19	2 1	24 53	1 40	8 2	0 28	13 33	0 35	8 19	0 12	4 12	1 38	22 51	0 14	9 41	0 49	1 35	1 37	26 47	9 40	23 10	23 9	0 36	16 38	6 23
S 20	2 25	24 2	0 33	8 5	0 41	13 12	0 38	8 36	0 12	4 15	1 38	22 51	0 14	9 42	0 49	1 36	1 37	26 47	9 40	23 10	23 10	0 33	16 38	6 22
S 21	2 48	21 48	0n38	8 6	0 53	12 50	0 41	8 53	0 11	4 18	1 38	22 51	0 14	9 43	0 49	1 37	1 37	26 47	9 40	23 10	23 10	0 30	16 39	6 21
M22	3 12	18 15	1 49	8 4	1 4	12 29	0 44	9 10	0 10	4 20	1 38	22 51	0 14	9 44	0 49	1 38	1 37	26 47	9 40	23 10	23 10	0 27	16 39	6 21
T 23	3 35	13 32	2 55	8 1	1 15	12 6	0 47	9 27	0 10	4 23	1 38	22 51	0 14	9 45	0 49	1 39	1 37	26 47	9 40	23 10	23 10	0 24	16 40	6 20
W24	3 58	7 54	3 51	7 55	1 25	11 44	0 50	9 44	0 9	4 26	1 38	22 51	0 14	9 45	0 49	1 40	1 37	26 47	9 39	23 11	23 11	0 22	16 40	6 20
T 25	4 21	1 44	4 33	7 47	1 35	11 21	0 53	10 0	0 8	4 29	1 37	22 51	0 14	9 46	0 48	1 41	1 37	26 47	9 39	23 11	23 11	0 19	16 41	6 19
F 26	4 44	4n37	4 56	7 37	1 44	10 58	0 56	10 17	0 8	4 31	1 37	22 50	0 15	9 47	0 48	1 41	1 37	26 47	9 39	23 12	23 11	0 16	16 41	6 19
S 27	5 7	10 41	4 58	7 25	1 52	10 34	0 59	10 33	0 7	4 34	1 37	22 50	0 15	9 48	0 48	1 42	1 37	26 47	9 39	23 13	23 11	0 13	16 41	6 18
S 28	5 30	16 3	4 40	7 12	2 0	10 11	1 1	10 50	0 6	4 37	1 37	22 50	0 15	9 48	0 48	1 43	1 37	26 47	9 39	23 13	23 12	0 10	16 42	6 18
M29	5 53	20 20	4 3	6 56	2 7	9 46	1 4	11 6	0 6	4 39	1 37	22 50	0 15	9 49	0 48	1 44	1 37	26 47	9 39	23 14	23 12	0 7	16 42	6 17
T 30	6 16	23 15	3 12	6 39	2 13	9 22	1 6	11 22	0 5	4 42	1 37	22 50	0 15	9 50	0 48	1 45	1 37	26 47	9 38	23 15	23 12	0 4	16 43	6 16
W31	6n38	24n39	2n11	6s20	2s19	8s57	1s 9	11n38	0s 4	4n44	1n37	22n50	0n15	9n50	0n48	1n46	1s37	26n47	9n38	23s15	23s12	0n 1	16n43	6s16

Julian Day Number = 2163069.5, Delta T = 13m01s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'36, Lahiri = 12°50'37 Julian Calendar 1 March 1210 == Greg. Calendar 8 March 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

APRIL 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 3 44	17♈47'54	26♊34	20♓32	11♓ 4	1♉14	21°R43	16♋ 1	6°R40	8♈11	11°R 1	8°R47	9♑24	18♍55	12♋32	T 1
F 2	13 7 40	18°46'25	9♋25	21°39	12°16	1°57	21♍37	16° 3	6♍39	8°13	11♌ 1	8°D46	9°21	19° 2	12°34	F 2
S 3	13 11 37	19°44'55	21°55	22°49	13°27	2°41	21°31	16° 6	6°37	8°16	11° 1	8°R46	9°18	19° 8	12°37	S 3
S 4	13 15 34	20°43'22	4♌ 7	24° 1	14°38	3°24	21°25	16° 8	6°35	8°18	11° 0	8♑46	9°14	19°15	12°39	S 4
M 5	13 19 30	21°41'46	16° 7	25°16	15°49	4° 7	21°19	16°11	6°34	8°20	11° 0	8°43	9°11	19°22	12°41	M 5
T 6	13 23 27	22°40'09	28° 0	26°32	17° 1	4°50	21°13	16°14	6°32	8°22	11° 0	8°39	9° 8	19°28	12°44	T 6
W 7	13 27 23	23°38'29	9♍50	27°51	18°12	5°33	21° 7	16°16	6°31	8°24	10°59	8°31	9° 5	19°35	12°47	W 7
T 8	13 31 20	24°36'47	21°42	29°12	19°24	6°17	21° 2	16°19	6°29	8°27	10°59	8°21	9° 2	19°42	12°50	T 8
F 9	13 35 16	25°35'04	3♎36	0♈36	20°35	7° 0	20°57	16°22	6°28	8°29	10°59	8° 9	8°59	19°49	12°52	F 9
S 10	13 39 13	26°33'18	15°36	2° 1	21°47	7°43	20°51	16°26	6°26	8°31	10°59	7°56	8°55	19°55	12°55	S 10
S 11	13 43 9	27°31'31	27°43	3°28	22°58	8°25	20°46	16°29	6°25	8°33	10°59	7°43	8°52	20° 2	12°58	S 11
M12	13 47 6	28°29'42	9♏58	4°57	24°10	9° 8	20°41	16°32	6°24	8°35	10°59	7°32	8°49	20° 9	13° 2	M12
T 13	13 51 3	29°27'51	22°22	6°28	25°21	9°51	20°37	16°36	6°22	8°38	10°58	7°22	8°46	20°15	13° 5	T 13
W14	13 54 59	0♉25'58	4♐56	8° 1	26°33	10°34	20°32	16°39	6°21	8°40	10°58	7°16	8°43	20°22	13° 8	W14
T 15	13 58 56	1°24'04	17°40	9°36	27°45	11°17	20°28	16°43	6°20	8°42	10°58	7°11	8°39	20°29	13°11	T 15
F 16	14 2 52	2°22'09	0♑37	11°13	28°56	11°59	20°23	16°46	6°19	8°44	10°D58	7°10	8°36	20°36	13°15	F 16
S 17	14 6 49	3°20'12	13°48	12°52	0♈ 8	12°42	20°19	16°50	6°18	8°46	10°58	7°D10	8°33	20°42	13°18	S 17
S 18	14 10 45	4°18'14	27°17	14°33	1°20	13°25	20°15	16°54	6°17	8°48	10°58	7°10	8°30	20°49	13°22	S 18
M19	14 14 42	5°16'14	11♒ 4	16°16	2°32	14° 7	20°12	16°58	6°16	8°50	10°58	7°R10	8°27	20°56	13°26	M19
T 20	14 18 38	6°14'13	25°10	18° 0	3°43	14°50	20° 8	17° 2	6°15	8°52	10°59	7° 9	8°24	21° 2	13°29	T 20
W21	14 22 35	7°12'10	9♓35	19°47	4°55	15°32	20° 4	17° 6	6°14	8°54	10°59	7° 5	8°20	21° 9	13°33	W21
T 22	14 26 32	8°10'06	24°17	21°35	6° 7	16°14	20° 1	17°11	6°13	8°56	10°59	6°59	8°17	21°16	13°37	T 22
F 23	14 30 28	9° 8'01	9♈ 8	23°26	7°19	16°57	19°58	17°15	6°13	8°58	10°59	6°52	8°14	21°23	13°41	F 23
S 24	14 34 25	10° 5'54	24° 2	25°18	8°31	17°39	19°55	17°19	6°12	9° 0	10°59	6°43	8°11	21°29	13°45	S 24
S 25	14 38 21	11° 3'47	8♉49	27°12	9°43	18°21	19°52	17°24	6°11	9° 2	10°59	6°34	8° 8	21°36	13°49	S 25
M26	14 42 18	12° 1'37	23°22	29° 8	10°55	19° 4	19°50	17°28	6°11	9° 4	11° 0	6°27	8° 5	21°43	13°53	M26
T 27	14 46 14	12°59'26	7♊34	1♉ 6	12° 7	19°46	19°47	17°33	6°10	9° 6	11° 0	6°22	8° 1	21°49	13°58	T 27
W28	14 50 11	13°57'14	21°20	3° 6	13°19	20°28	19°45	17°38	6° 9	9° 8	11° 0	6°19	7°58	21°56	14° 2	W28
T 29	14 54 7	14°55'00	4♋40	5° 8	14°31	21°10	19°43	17°43	6° 9	9°10	11° 1	6°D18	7°55	22° 3	14° 6	T 29
F 30	14 58 4	15♉52'44	17♋35	7♉11	15♈43	21♉52	19♍41	17♋47	6♍ 9	9♈12	11♌ 1	6♑18	7♑52	22♍10	14♋11	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 1	24n34	1n 4	5s59	2s25	8s33	1s11	11n54	0s 4	4n47	1n37	22n49	0n15	9n51	0n48	1n47	1s37	26n47	9n38	23s15	23s12	0s 2	16n43	6s15
F 2	7 23	23 9	0s 3	5 36	2 29	8 7	1 14	12 9	0 3	4 49	1 37	22 49	0 15	9 51	0 48	1 48	1 37	26 47	9 38	23 15	23 13	0 5	16 44	6 15
S 3	7 45	20 37	1 9	5 12	2 33	7 42	1 16	12 25	0 2	4 51	1 36	22 49	0 15	9 52	0 48	1 48	1 37	26 47	9 38	23 15	23 13	0 8	16 44	6 14
S 4	8 8	17 12	2 10	4 47	2 37	7 16	1 18	12 40	0 2	4 54	1 36	22 49	0 15	9 53	0 48	1 49	1 37	26 46	9 38	23 15	23 13	0 11	16 44	6 14
M 5	8 29	13 9	3 4	4 20	2 39	6 50	1 20	12 56	0 1	4 56	1 36	22 49	0 15	9 53	0 48	1 50	1 37	26 46	9 37	23 15	23 13	0 13	16 45	6 13
T 6	8 51	8 38	3 49	3 51	2 42	6 24	1 22	13 11	0 1	4 58	1 36	22 48	0 15	9 54	0 48	1 51	1 37	26 46	9 37	23 16	23 14	0 16	16 45	6 13
W 7	9 13	3 50	4 25	3 21	2 43	5 58	1 24	13 26	0n 0	5 0	1 36	22 48	0 15	9 54	0 48	1 52	1 37	26 46	9 37	23 16	23 14	0 19	16 45	6 12
T 8	9 35	1s 7	4 49	2 50	2 44	5 32	1 26	13 41	0 1	5 2	1 36	22 48	0 15	9 55	0 48	1 53	1 37	26 46	9 37	23 17	23 14	0 22	16 45	6 12
F 9	9 56	6 1	5 0	2 17	2 45	5 5	1 27	13 56	0 1	5 4	1 36	22 47	0 16	9 55	0 48	1 54	1 37	26 46	9 37	23 17	23 14	0 25	16 46	6 11
S 10	10 17	10 45	4 58	1 43	2 45	4 38	1 29	14 10	0 2	5 6	1 35	22 47	0 16	9 56	0 48	1 54	1 37	26 46	9 36	23 18	23 14	0 28	16 46	6 10
S 11	10 38	15 6	4 43	1 8	2 44	4 11	1 31	14 25	0 3	5 8	1 35	22 47	0 16	9 56	0 48	1 55	1 37	26 46	9 36	23 19	23 15	0 31	16 46	6 10
M12	10 59	18 54	4 15	0 31	2 43	3 44	1 32	14 39	0 3	5 10	1 35	22 46	0 16	9 57	0 48	1 56	1 37	26 45	9 36	23 20	23 15	0 34	16 46	6 9
T 13	11 20	21 53	3 34	0n 7	2 41	3 17	1 34	14 54	0 4	5 11	1 35	22 46	0 16	9 57	0 48	1 57	1 37	26 45	9 36	23 20	23 15	0 37	16 47	6 9
W14	11 40	23 52	2 42	0 46	2 39	2 50	1 35	15 8	0 5	5 13	1 35	22 46	0 16	9 58	0 48	1 58	1 37	26 45	9 36	23 21	23 15	0 39	16 47	6 8
T 15	12 1	24 39	1 42	1 26	2 36	2 22	1 36	15 22	0 5	5 14	1 34	22 45	0 16	9 58	0 48	1 59	1 37	26 45	9 35	23 21	23 15	0 42	16 47	6 8
F 16	12 21	24 7	0 35	2 7	2 33	1 55	1 37	15 35	0 6	5 16	1 34	22 45	0 16	9 58	0 48	1 59	1 37	26 45	9 35	23 21	23 16	0 45	16 47	6 7
S 17	12 41	22 14	0n35	2 49	2 29	1 27	1 38	15 49	0 6	5 17	1 34	22 45	0 16	9 59	0 48	2 0	1 37	26 45	9 35	23 21	23 16	0 48	16 47	6 7
S 18	13 1	19 5	1 45	3 33	2 24	0 59	1 39	16 3	0 7	5 19	1 34	22 44	0 16	9 59	0 48	2 1	1 37	26 44	9 35	23 21	23 16	0 51	16 47	6 6
M19	13 20	14 48	2 50	4 17	2 19	0 31	1 40	16 16	0 8	5 20	1 34	22 44	0 16	9 59	0 48	2 2	1 37	26 44	9 35	23 21	23 16	0 54	16 48	6 6
T 20	13 39	9 37	3 47	5 2	2 14	0 4	1 41	16 29	0 8	5 21	1 33	22 43	0 16	10 0	0 48	2 3	1 37	26 44	9 34	23 21	23 17	0 57	16 48	6 5
W21	13 59	3 50	4 31	5 48	2 7	0n24	1 42	16 42	0 9	5 23	1 33	22 43	0 16	10 0	0 48	2 3	1 37	26 44	9 34	23 21	23 17	1 0	16 48	6 5
T 22	14 17	2n16	4 57	6 35	2 1	0 52	1 42	16 55	0 10	5 24	1 33	22 42	0 16	10 0	0 48	2 4	1 37	26 43	9 34	23 21	23 17	1 3	16 48	6 5
F 23	14 36	8 17	5 4	7 22	1 54	1 20	1 43	17 8	0 10	5 25	1 33	22 42	0 16	10 0	0 48	2 5	1 37	26 43	9 34	23 22	23 17	1 5	16 48	6 4
S 24	14 54	13 52	4 51	8 11	1 46	1 48	1 44	17 21	0 11	5 26	1 33	22 41	0 17	10 1	0 47	2 6	1 37	26 43	9 34	23 22	23 17	1 8	16 48	6 4
S 25	15 13	18 34	4 18	8 59	1 38	2 16	1 44	17 33	0 11	5 27	1 32	22 41	0 17	10 1	0 47	2 6	1 37	26 43	9 33	23 23	23 17	1 11	16 48	6 3
M26	15 31	22 4	3 29	9 49	1 30	2 44	1 44	17 45	0 12	5 27	1 32	22 40	0 17	10 1	0 47	2 7	1 37	26 42	9 33	23 23	23 18	1 14	16 48	6 3
T 27	15 48	24 6	2 28	10 38	1 21	3 12	1 45	17 57	0 13	5 28	1 32	22 40	0 17	10 1	0 47	2 8	1 37	26 42	9 33	23 23	23 18	1 17	16 48	6 2
W28	16 6	24 35	1 20	11 28	1 12	3 40	1 45	18 9	0 13	5 29	1 32	22 39	0 17	10 1	0 47	2 9	1 37	26 42	9 33	23 23	23 18	1 20	16 48	6 2
T 29	16 23	23 36	0 9	12 18	1 3	4 8	1 45	18 21	0 14	5 29	1 31	22 39	0 17	10 2	0 47	2 9	1 37	26 42	9 33	23 24	23 18	1 23	16 48	6 1
F 30	16n40	21n23	1s 0	13n 8	0s53	4n36	1s45	18n33	0n14	5n30	1n31	22n38	0n17	10n 2	0n47	2n10	1s38	26n41	9n32	23s23	23s18	1s26	16n48	6s 1

Julian Day Number = 2163100.5, Delta T = 13m01s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'41, Lahiri = 12°50'41 Julian Calendar 1 Apr. 1210 == Greg. Calendar 8 Apr. 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

MAY 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 1	16♉50'27	0♌ 8	9♉16	16♈55	22♉34	19°R39	17♋52	6°R 8	9♈14	11♌ 2	6♏19	7♏49	22♍16	14♋16	S 1
S 2	15 5 57	17°48'08	12°24	11°22	18° 7	23°16	19♍38	17°57	6♍ 8	9°16	11° 2	6°R20	7°45	22°23	14°20	S 2
M 3	15 9 54	18°45'47	24°26	13°30	19°19	23°58	19°37	18° 3	6° 8	9°18	11° 2	6°20	7°42	22°30	14°25	M 3
T 4	15 13 50	19°43'25	6♍21	15°39	20°31	24°40	19°35	18° 8	6° 8	9°20	11° 3	6°19	7°39	22°36	14°30	T 4
W 5	15 17 47	20°41'01	18°13	17°49	21°43	25°21	19°34	18°13	6° 7	9°21	11° 3	6°15	7°36	22°43	14°34	W 5
T 6	15 21 43	21°38'35	0♎ 6	20° 0	22°55	26° 3	19°34	18°18	6° 7	9°23	11° 4	6°10	7°33	22°50	14°39	T 6
F 7	15 25 40	22°36'09	12° 4	22°11	24° 7	26°45	19°33	18°24	6°D 7	9°25	11° 5	6° 3	7°30	22°57	14°44	F 7
S 8	15 29 36	23°33'40	24°10	24°23	25°19	27°26	19°33	18°29	6° 7	9°27	11° 5	5°55	7°26	23° 3	14°49	S 8
S 9	15 33 33	24°31'11	6♏26	26°35	26°32	28° 8	19°32	18°35	6° 7	9°28	11° 6	5°48	7°23	23°10	14°54	S 9
M10	15 37 29	25°28'41	18°53	28°46	27°44	28°49	19°D32	18°40	6° 7	9°30	11° 6	5°41	7°20	23°17	14°59	M10
T 11	15 41 26	26°26'09	1♐33	0♊57	28°56	29°31	19°32	18°46	6° 8	9°32	11° 7	5°36	7°17	23°23	15° 5	T 11
W12	15 45 23	27°23'36	14°24	3° 8	0♉ 8	0♊12	19°33	18°52	6° 8	9°34	11° 8	5°32	7°14	23°30	15°10	W12
T 13	15 49 19	28°21'03	27°28	5°17	1°21	0°54	19°33	18°58	6° 8	9°35	11° 9	5°30	7°11	23°37	15°15	T 13
F 14	15 53 16	29°18'28	10♑45	7°25	2°33	1°35	19°34	19° 3	6° 8	9°37	11° 9	5°D30	7° 7	23°44	15°20	F 14
S 15	15 57 12	0♊15'53	24°13	9°31	3°45	2°16	19°35	19° 9	6° 9	9°38	11°10	5°31	7° 4	23°50	15°26	S 15
S 16	16 1 9	1°13'17	7♒54	11°36	4°58	2°58	19°36	19°15	6° 9	9°40	11°11	5°32	7° 1	23°57	15°31	S 16
M17	16 5 5	2°10'40	21°47	13°39	6°10	3°39	19°37	19°21	6°10	9°42	11°12	5°34	6°58	24° 4	15°37	M17
T 18	16 9 2	3° 8'02	5♓51	15°40	7°22	4°20	19°38	19°27	6°10	9°43	11°13	5°R34	6°55	24°11	15°42	T 18
W19	16 12 59	4° 5'24	20° 7	17°39	8°35	5° 1	19°40	19°34	6°11	9°45	11°14	5°33	6°51	24°17	15°48	W19
T 20	16 16 55	5° 2'45	4♈30	19°36	9°47	5°42	19°41	19°40	6°12	9°46	11°14	5°31	6°48	24°24	15°54	T 20
F 21	16 20 52	6° 0'06	18°58	21°30	11° 0	6°23	19°43	19°46	6°12	9°48	11°15	5°27	6°45	24°31	15°59	F 21
S 22	16 24 48	6°57'27	3♉25	23°22	12°12	7° 4	19°45	19°52	6°13	9°49	11°16	5°24	6°42	24°37	16° 5	S 22
S 23	16 28 45	7°54'46	17°47	25°12	13°25	7°45	19°48	19°59	6°14	9°50	11°17	5°20	6°39	24°44	16°11	S 23
M24	16 32 41	8°52'06	1♊57	26°59	14°37	8°26	19°50	20° 5	6°15	9°52	11°18	5°16	6°36	24°51	16°17	M24
T 25	16 36 38	9°49'24	15°51	28°43	15°50	9° 7	19°53	20°12	6°16	9°53	11°19	5°14	6°32	24°58	16°23	T 25
W26	16 40 34	10°46'42	29°25	0♋26	17° 2	9°48	19°55	20°18	6°17	9°54	11°21	5°D13	6°29	25° 4	16°29	W26
T 27	16 44 31	11°43'59	12♋38	2° 5	18°15	10°29	19°58	20°25	6°18	9°56	11°22	5°13	6°26	25°11	16°34	T 27
F 28	16 48 28	12°41'16	25°31	3°42	19°27	11°10	20° 1	20°32	6°19	9°57	11°23	5°14	6°23	25°18	16°41	F 28
S 29	16 52 24	13°38'31	8♌ 4	5°17	20°40	11°50	20° 5	20°38	6°20	9°58	11°24	5°15	6°20	25°24	16°47	S 29
S 30	16 56 21	14°35'46	20°21	6°49	21°53	12°31	20° 8	20°45	6°21	9°59	11°25	5°17	6°17	25°31	16°53	S 30
M31	17 0 17	15♊33'00	2♍25	8♋18	23♉ 5	13♊12	20♍12	20♋52	6♍22	10♈ 1	11♌26	5♏18	6♏13	25♍38	16♋59	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n56	18n11	2s 5	13n58	0s43	5n 4	1s45	18n44	0n15	5n30	1n31	22n37	0n17	10n 2	0n47	2n11	1s38	26n41	9n32	23s23	23s19	1s28	16n48	6s 0
S 2	17 13	14 15	3 2	14 48	0 32	5 31	1 45	18 55	0 16	5 31	1 31	22 37	0 17	10 2	0 47	2 12	1 38	26 41	9 32	23 23	23 19	1 31	16 48	6 0
M 3	17 29	9 49	3 50	15 37	0 22	5 59	1 45	19 6	0 16	5 31	1 30	22 36	0 17	10 2	0 47	2 12	1 38	26 40	9 32	23 23	23 19	1 34	16 48	6 0
T 4	17 45	5 5	4 27	16 25	0 11	6 26	1 44	19 17	0 17	5 31	1 30	22 36	0 17	10 2	0 47	2 13	1 38	26 40	9 32	23 23	23 19	1 37	16 48	5 59
W 5	18 0	0 11	4 53	17 12	0 1	6 54	1 44	19 28	0 17	5 31	1 30	22 35	0 17	10 2	0 47	2 14	1 38	26 40	9 31	23 24	23 19	1 40	16 48	5 59
T 6	18 15	4s43	5 6	17 58	0n10	7 21	1 43	19 38	0 18	5 31	1 30	22 34	0 17	10 2	0 47	2 14	1 38	26 39	9 31	23 24	23 20	1 43	16 48	5 58
F 7	18 30	9 29	5 7	18 43	0 20	7 48	1 43	19 49	0 19	5 31	1 29	22 34	0 17	10 2	0 47	2 15	1 38	26 39	9 31	23 24	23 20	1 46	16 47	5 58
S 8	18 45	13 56	4 53	19 26	0 31	8 15	1 42	19 59	0 19	5 31	1 29	22 33	0 17	10 2	0 47	2 16	1 38	26 39	9 31	23 25	23 20	1 48	16 47	5 58
S 9	18 59	17 54	4 26	20 8	0 41	8 42	1 42	20 9	0 20	5 31	1 29	22 32	0 18	10 2	0 47	2 16	1 38	26 38	9 31	23 25	23 20	1 51	16 47	5 57
M10	19 13	21 7	3 46	20 47	0 50	9 8	1 41	20 19	0 20	5 31	1 29	22 31	0 18	10 2	0 47	2 17	1 38	26 38	9 30	23 25	23 20	1 54	16 47	5 57
T 11	19 26	23 24	2 54	21 25	1 0	9 35	1 40	20 28	0 21	5 31	1 28	22 31	0 18	10 2	0 47	2 18	1 38	26 37	9 30	23 25	23 20	1 57	16 47	5 56
W12	19 40	24 29	1 52	22 0	1 9	10 1	1 39	20 38	0 21	5 30	1 28	22 30	0 18	10 1	0 47	2 18	1 38	26 37	9 30	23 26	23 21	2 0	16 47	5 56
T 13	19 53	24 15	0 44	22 32	1 17	10 27	1 38	20 47	0 22	5 30	1 28	22 29	0 18	10 1	0 47	2 19	1 38	26 37	9 30	23 26	23 21	2 3	16 46	5 56
F 14	20 5	22 38	0n29	23 2	1 25	10 53	1 37	20 56	0 23	5 30	1 28	22 29	0 18	10 1	0 47	2 19	1 38	26 36	9 30	23 26	23 21	2 6	16 46	5 55
S 15	20 18	19 43	1 40	23 29	1 32	11 19	1 36	21 5	0 23	5 29	1 27	22 28	0 18	10 1	0 47	2 20	1 38	26 36	9 29	23 26	23 21	2 8	16 46	5 55
S 16	20 30	15 41	2 47	23 54	1 39	11 44	1 35	21 14	0 24	5 28	1 27	22 27	0 18	10 1	0 47	2 21	1 38	26 35	9 29	23 26	23 21	2 11	16 46	5 55
M17	20 41	10 45	3 46	24 16	1 45	12 9	1 34	21 22	0 24	5 28	1 27	22 26	0 18	10 1	0 47	2 21	1 38	26 35	9 29	23 25	23 21	2 14	16 45	5 54
T 18	20 52	5 12	4 31	24 35	1 50	12 34	1 33	21 30	0 25	5 27	1 27	22 25	0 18	10 0	0 46	2 22	1 38	26 35	9 29	23 25	23 22	2 17	16 45	5 54
W19	21 3	0n41	5 1	24 52	1 54	12 59	1 32	21 39	0 25	5 26	1 26	22 25	0 18	10 0	0 46	2 22	1 38	26 34	9 29	23 25	23 22	2 20	16 45	5 54
T 20	21 14	6 34	5 12	25 6	1 58	13 23	1 30	21 46	0 26	5 25	1 26	22 24	0 18	10 0	0 46	2 23	1 38	26 34	9 29	23 26	23 22	2 23	16 44	5 53
F 21	21 24	12 8	5 4	25 17	2 1	13 47	1 29	21 54	0 26	5 24	1 26	22 23	0 18	9 59	0 46	2 23	1 38	26 33	9 28	23 26	23 22	2 25	16 44	5 53
S 22	21 34	17 2	4 36	25 26	2 3	14 11	1 27	22 2	0 27	5 23	1 26	22 22	0 18	9 59	0 46	2 24	1 38	26 33	9 28	23 26	23 22	2 28	16 44	5 53
S 23	21 43	20 54	3 51	25 32	2 5	14 34	1 26	22 9	0 28	5 22	1 25	22 21	0 18	9 59	0 46	2 24	1 39	26 32	9 28	23 26	23 22	2 31	16 43	5 53
M24	21 52	23 27	2 52	25 36	2 6	14 57	1 24	22 16	0 28	5 21	1 25	22 20	0 19	9 58	0 46	2 25	1 39	26 32	9 28	23 26	23 23	2 34	16 43	5 52
T 25	22 1	24 31	1 44	25 38	2 6	15 20	1 23	22 23	0 29	5 20	1 25	22 19	0 19	9 58	0 46	2 25	1 39	26 32	9 28	23 26	23 23	2 37	16 43	5 52
W26	22 9	24 4	0 32	25 37	2 5	15 42	1 21	22 30	0 29	5 18	1 25	22 18	0 19	9 58	0 46	2 26	1 39	26 31	9 28	23 26	23 23	2 40	16 42	5 52
T 27	22 17	22 16	0s41	25 35	2 3	16 4	1 19	22 36	0 30	5 17	1 25	22 18	0 19	9 57	0 46	2 26	1 39	26 31	9 27	23 26	23 23	2 42	16 42	5 51
F 28	22 25	19 20	1 49	25 31	2 1	16 26	1 17	22 43	0 30	5 16	1 24	22 17	0 19	9 57	0 46	2 27	1 39	26 30	9 27	23 26	23 23	2 45	16 41	5 51
S 29	22 32	15 34	2 51	25 24	1 58	16 47	1 15	22 49	0 31	5 14	1 24	22 16	0 19	9 56	0 46	2 27	1 39	26 30	9 27	23 26	23 23	2 48	16 41	5 51
S 30	22 39	11 14	3 43	25 17	1 55	17 8	1 14	22 55	0 31	5 12	1 24	22 15	0 19	9 56	0 46	2 28	1 39	26 29	9 27	23 26	23 24	2 51	16 40	5 51
M31	22n45	6n32	4s25	25n 7	1n50	17n28	1s12	23n 0	0n32	5n11	1n24	22n14	0n19	9n55	0n46	2n28	1s39	26n29	9n27	23s26	23s24	2s54	16n40	5s50

Julian Day Number = 2163130.5, Delta T = 13m00s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'45, Lahiri = 12°50'45 Julian Calendar 1 May 1210 == Greg. Calendar 8 May 1210

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1210
geocentric

JUNE 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 4 14	16♊30'13	14♍22	9♋45	24♉18	13♊52	20♍15	20♋59	6♍24	10♈ 2	11♌27	5°R18	6♏10	25♍45	17♋ 5	T 1
W 2	17 8 10	17°27'26	26°15	11° 9	25°31	14°33	20°19	21° 5	6°25	10° 3	11°29	5♏18	6° 7	25°51	17°11	W 2
T 3	17 12 7	18°24'38	8♎10	12°30	26°43	15°13	20°23	21°12	6°26	10° 4	11°30	5°17	6° 4	25°58	17°18	T 3
F 4	17 16 3	19°21'49	20°10	13°49	27°56	15°54	20°28	21°19	6°28	10° 5	11°31	5°16	6° 1	26° 5	17°24	F 4
S 5	17 20 0	20°18'59	2♏20	15° 5	29° 9	16°34	20°32	21°26	6°29	10° 6	11°32	5°14	5°57	26°12	17°30	S 5
S 6	17 23 57	21°16'10	14°43	16°18	0♊21	17°14	20°37	21°33	6°31	10° 7	11°34	5°12	5°54	26°18	17°36	S 6
M 7	17 27 53	22°13'20	27°20	17°28	1°34	17°55	20°41	21°40	6°32	10° 8	11°35	5°10	5°51	26°25	17°43	M 7
T 8	17 31 50	23°10'29	10♐15	18°36	2°47	18°35	20°46	21°47	6°34	10° 9	11°36	5° 8	5°48	26°32	17°49	T 8
W 9	17 35 46	24° 7'38	23°25	19°40	4° 0	19°15	20°51	21°55	6°36	10°10	11°38	5° 8	5°45	26°38	17°56	W 9
T 10	17 39 43	25° 4'47	6♑52	20°41	5°13	19°56	20°56	22° 2	6°37	10°11	11°39	5°D 7	5°42	26°45	18° 2	T 10
F 11	17 43 39	26° 1'56	20°33	21°39	6°26	20°36	21° 2	22° 9	6°39	10°12	11°41	5° 8	5°38	26°52	18° 9	F 11
S 12	17 47 36	26°59'05	4♒27	22°34	7°38	21°16	21° 7	22°16	6°41	10°13	11°42	5° 8	5°35	26°59	18°15	S 12
S 13	17 51 32	27°56'14	18°30	23°25	8°51	21°56	21°13	22°23	6°43	10°13	11°43	5° 9	5°32	27° 5	18°22	S 13
M14	17 55 29	28°53'23	2♓40	24°13	10° 4	22°36	21°18	22°31	6°45	10°14	11°45	5°10	5°29	27°12	18°28	M14
T 15	17 59 26	29°50'33	16°54	24°57	11°17	23°16	21°24	22°38	6°47	10°15	11°46	5°10	5°26	27°19	18°35	T 15
W16	18 3 22	0♋47'42	1♈ 9	25°37	12°30	23°56	21°30	22°45	6°49	10°16	11°48	5°R10	5°23	27°25	18°42	W16
T 17	18 7 19	1°44'52	15°22	26°14	13°43	24°36	21°37	22°53	6°51	10°16	11°49	5°10	5°19	27°32	18°48	T 17
F 18	18 11 15	2°42'03	29°32	26°47	14°56	25°16	21°43	23° 0	6°53	10°17	11°51	5°10	5°16	27°39	18°55	F 18
S 19	18 15 12	3°39'14	13♉35	27°15	16° 9	25°56	21°49	23° 8	6°55	10°17	11°52	5°10	5°13	27°46	19° 2	S 19
S 20	18 19 8	4°36'25	27°29	27°39	17°23	26°36	21°56	23°15	6°57	10°18	11°54	5° 9	5°10	27°52	19° 9	S 20
M21	18 23 5	5°33'37	11♊12	27°59	18°36	27°15	22° 3	23°23	6°59	10°19	11°56	5°D 9	5° 7	27°59	19°15	M21
T 22	18 27 1	6°30'49	24°41	28°14	19°49	27°55	22°10	23°30	7° 2	10°19	11°57	5° 9	5° 3	28° 6	19°22	T 22
W23	18 30 58	7°28'01	7♋55	28°25	21° 2	28°35	22°17	23°38	7° 4	10°20	11°59	5°R 9	5° 0	28°13	19°29	W23
T 24	18 34 55	8°25'14	20°54	28°31	22°15	29°15	22°24	23°45	7° 6	10°20	12° 0	5° 9	4°57	28°19	19°36	T 24
F 25	18 38 51	9°22'27	3♌36	28°R32	23°28	29°54	22°31	23°53	7° 9	10°20	12° 2	5° 9	4°54	28°26	19°43	F 25
S 26	18 42 48	10°19'40	16° 4	28°28	24°42	0♋34	22°38	24° 0	7°11	10°21	12° 4	5° 9	4°51	28°33	19°49	S 26
S 27	18 46 44	11°16'53	28°18	28°20	25°55	1°14	22°46	24° 8	7°13	10°21	12° 5	5° 8	4°48	28°39	19°56	S 27
M28	18 50 41	12°14'06	10♍22	28° 7	27° 8	1°53	22°53	24°16	7°16	10°22	12° 7	5° 7	4°44	28°46	20° 3	M28
T 29	18 54 37	13°11'20	22°18	27°49	28°22	2°33	23° 1	24°23	7°18	10°22	12° 9	5° 6	4°41	28°53	20°10	T 29
W30	18 58 34	14♋ 8'34	4♎11	27♋26	29♊35	3♋12	23♍ 9	24♋31	7♍21	10♈22	12♌11	5♏ 6	4♏38	29♍ 0	20♋17	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n51	1n39	4s55	24n56	1n46	17n48	1s10	23n 6	0n32	5n 9	1n23	22n13	0n19	9n55	0n46	2n28	1s39	26n28	9n27	23s26	23s24	2s57	16n39	5s50
W 2	22 57	3s16	5 11	24 44	1 40	18 8	1 8	23 11	0 33	5 7	1 23	22 12	0 19	9 54	0 46	2 29	1 39	26 28	9 27	23 26	23 24	2 59	16 39	5 50
T 3	23 2	8 4	5 15	24 30	1 34	18 27	1 6	23 16	0 33	5 5	1 23	22 11	0 19	9 54	0 46	2 29	1 39	26 27	9 26	23 26	23 24	3 2	16 38	5 50
F 4	23 7	12 37	5 5	24 16	1 27	18 45	1 4	23 21	0 34	5 4	1 23	22 10	0 19	9 53	0 46	2 29	1 39	26 27	9 26	23 26	23 24	3 5	16 38	5 49
S 5	23 11	16 43	4 41	24 0	1 19	19 3	1 1	23 26	0 34	5 2	1 22	22 9	0 19	9 53	0 46	2 30	1 39	26 26	9 26	23 26	23 24	3 8	16 37	5 49
S 6	23 15	20 12	4 4	23 43	1 11	19 21	0 59	23 30	0 35	5 0	1 22	22 8	0 19	9 52	0 46	2 30	1 39	26 26	9 26	23 26	23 25	3 11	16 36	5 49
M 7	23 19	22 48	3 14	23 26	1 3	19 38	0 57	23 35	0 36	4 58	1 22	22 7	0 20	9 51	0 46	2 31	1 39	26 25	9 26	23 26	23 25	3 13	16 36	5 49
T 8	23 22	24 17	2 13	23 7	0 53	19 55	0 55	23 39	0 36	4 55	1 22	22 6	0 20	9 51	0 46	2 31	1 39	26 25	9 26	23 26	23 25	3 16	16 35	5 49
W 9	23 25	24 27	1 4	22 49	0 43	20 11	0 53	23 43	0 37	4 53	1 21	22 4	0 20	9 50	0 46	2 31	1 39	26 24	9 26	23 27	23 25	3 19	16 35	5 48
T 10	23 27	23 12	0n10	22 29	0 33	20 26	0 50	23 46	0 37	4 51	1 21	22 3	0 20	9 49	0 46	2 31	1 40	26 24	9 25	23 27	23 25	3 22	16 34	5 48
F 11	23 29	20 34	1 24	22 9	0 22	20 41	0 48	23 50	0 38	4 49	1 21	22 2	0 20	9 49	0 46	2 32	1 40	26 23	9 25	23 27	23 25	3 25	16 33	5 48
S 12	23 30	16 43	2 35	21 49	0 11	20 56	0 46	23 53	0 38	4 46	1 21	22 1	0 20	9 48	0 45	2 32	1 40	26 23	9 25	23 26	23 25	3 27	16 33	5 48
S 13	23 32	11 54	3 38	21 29	0s 1	21 10	0 43	23 56	0 39	4 44	1 20	22 0	0 20	9 47	0 45	2 32	1 40	26 22	9 25	23 26	23 26	3 30	16 32	5 48
M14	23 32	6 25	4 27	21 8	0 14	21 23	0 41	23 59	0 39	4 41	1 20	21 59	0 20	9 47	0 45	2 32	1 40	26 21	9 25	23 26	23 26	3 33	16 31	5 48
T 15	23 33	0 35	5 1	20 48	0 27	21 36	0 38	24 2	0 40	4 39	1 20	21 58	0 20	9 46	0 45	2 33	1 40	26 21	9 25	23 26	23 26	3 36	16 30	5 48
W16	23 32	5n17	5 16	20 27	0 40	21 48	0 36	24 4	0 40	4 36	1 20	21 57	0 20	9 45	0 45	2 33	1 40	26 20	9 25	23 26	23 26	3 39	16 30	5 47
T 17	23 32	10 52	5 12	20 7	0 53	21 59	0 34	24 6	0 41	4 34	1 20	21 55	0 20	9 44	0 45	2 33	1 40	26 20	9 25	23 26	23 26	3 41	16 29	5 47
F 18	23 31	15 51	4 49	19 47	1 7	22 10	0 31	24 8	0 41	4 31	1 19	21 54	0 20	9 43	0 45	2 33	1 40	26 19	9 25	23 26	23 26	3 44	16 28	5 47
S 19	23 29	19 56	4 8	19 28	1 22	22 21	0 29	24 10	0 42	4 28	1 19	21 53	0 20	9 43	0 45	2 34	1 40	26 19	9 24	23 26	23 26	3 47	16 27	5 47
S 20	23 28	22 50	3 14	19 9	1 36	22 30	0 26	24 12	0 42	4 25	1 19	21 52	0 20	9 42	0 45	2 34	1 40	26 18	9 24	23 26	23 26	3 50	16 27	5 47
M21	23 25	24 21	2 9	18 51	1 51	22 39	0 24	24 13	0 42	4 22	1 19	21 51	0 21	9 41	0 45	2 34	1 40	26 18	9 24	23 26	23 27	3 53	16 26	5 47
T 22	23 23	24 24	0 58	18 33	2 6	22 48	0 21	24 14	0 43	4 19	1 18	21 50	0 21	9 40	0 45	2 34	1 40	26 17	9 24	23 26	23 27	3 55	16 25	5 47
W23	23 20	23 3	0s15	18 16	2 20	22 56	0 19	24 15	0 43	4 17	1 18	21 48	0 21	9 39	0 45	2 34	1 40	26 17	9 24	23 26	23 27	3 58	16 24	5 47
T 24	23 16	20 30	1 26	18 1	2 35	23 3	0 16	24 16	0 44	4 13	1 18	21 47	0 21	9 38	0 45	2 34	1 40	26 16	9 24	23 26	23 27	4 1	16 23	5 47
F 25	23 13	16 59	2 31	17 46	2 50	23 9	0 14	24 17	0 44	4 10	1 18	21 46	0 21	9 37	0 45	2 34	1 40	26 15	9 24	23 26	23 27	4 4	16 22	5 47
S 26	23 8	12 47	3 28	17 33	3 4	23 15	0 11	24 17	0 45	4 7	1 18	21 45	0 21	9 36	0 45	2 34	1 40	26 15	9 24	23 26	23 27	4 6	16 21	5 46
S 27	23 4	8 9	4 14	17 20	3 19	23 20	0 9	24 18	0 45	4 4	1 17	21 43	0 21	9 35	0 45	2 35	1 41	26 14	9 24	23 27	23 27	4 9	16 20	5 46
M28	22 59	3 17	4 47	17 10	3 32	23 24	0 6	24 17	0 46	4 1	1 17	21 42	0 21	9 34	0 45	2 35	1 41	26 14	9 24	23 27	23 27	4 12	16 19	5 46
T 29	22 53	1s39	5 9	17 0	3 45	23 28	0 4	24 17	0 46	3 58	1 17	21 41	0 21	9 33	0 45	2 35	1 41	26 13	9 24	23 27	23 28	4 15	16 19	5 46
W30	22n47	6s30	5s16	16n53	3s58	23n31	0s 1	24n17	0n47	3n54	1n17	21n40	0n21	9n32	0n45	2n35	1s41	26n13	9n24	23s27	23s28	4s18	16n18	5s46

Julian Day Number = 2163161.5, Delta T = 13m00s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'49, Lahiri = 12°50'49 Julian Calendar 1 June 1210 == Greg. Calendar 8 June 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

JULY 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 31	15♋ 5'48	16♎ 6	27°R 0	0♋48	3♋52	23♍17	24♋38	7♍24	10♈22	12♌12	5°D 5	4♑35	29♍ 6	20♋24	T 1
F 2	19 6 27	16° 3'02	28° 6	26♋29	2° 2	4°31	23°25	24°46	7°26	10°22	12°14	5♑ 6	4°32	29°13	20°31	F 2
S 3	19 10 24	17° 0'17	10♏16	25°55	3°15	5°10	23°33	24°54	7°29	10°23	12°16	5° 6	4°28	29°20	20°38	S 3
S 4	19 14 20	17°57'32	22°41	25°18	4°29	5°50	23°42	25° 2	7°32	10°23	12°17	5° 8	4°25	29°26	20°44	S 4
M 5	19 18 17	18°54'47	5♐23	24°38	5°42	6°29	23°50	25° 9	7°35	10°23	12°19	5° 9	4°22	29°33	20°51	M 5
T 6	19 22 13	19°52'03	18°27	23°57	6°56	7° 8	23°59	25°17	7°37	10°23	12°21	5°10	4°19	29°40	20°58	T 6
W 7	19 26 10	20°49'20	1♑52	23°14	8° 9	7°48	24° 7	25°25	7°40	10°R23	12°23	5°R10	4°16	29°47	21° 5	W 7
T 8	19 30 6	21°46'37	15°38	22°31	9°23	8°27	24°16	25°32	7°43	10°23	12°25	5°10	4°13	29°53	21°12	T 8
F 9	19 34 3	22°43'55	29°44	21°48	10°36	9° 6	24°25	25°40	7°46	10°23	12°26	5° 9	4° 9	0♒ 0	21°19	F 9
S 10	19 38 0	23°41'14	14♒ 5	21° 6	11°50	9°45	24°34	25°48	7°49	10°23	12°28	5° 7	4° 6	0° 7	21°26	S 10
S 11	19 41 56	24°38'34	28°36	20°26	13° 3	10°24	24°43	25°56	7°52	10°23	12°30	5° 5	4° 3	0°14	21°33	S 11
M12	19 45 53	25°35'54	13♓10	19°48	14°17	11° 3	24°52	26° 3	7°55	10°23	12°32	5° 2	4° 0	0°20	21°40	M12
T 13	19 49 49	26°33'16	27°43	19°14	15°31	11°42	25° 2	26°11	7°58	10°22	12°34	5° 0	3°57	0°27	21°47	T 13
W14	19 53 46	27°30'39	12♈ 8	18°44	16°44	12°21	25°11	26°19	8° 1	10°22	12°36	4°58	3°54	0°34	21°54	W14
T 15	19 57 42	28°28'03	26°22	18°19	17°58	13° 0	25°21	26°26	8° 4	10°22	12°37	4°D58	3°50	0°40	22° 1	T 15
F 16	20 1 39	29°25'28	10♉23	17°58	19°12	13°39	25°30	26°34	8° 7	10°22	12°39	4°58	3°47	0°47	22° 8	F 16
S 17	20 5 35	0♌22'55	24°10	17°43	20°26	14°18	25°40	26°42	8°10	10°21	12°41	4°59	3°44	0°54	22°14	S 17
S 18	20 9 32	1°20'23	7♊42	17°34	21°40	14°57	25°50	26°50	8°13	10°21	12°43	5° 0	3°41	1° 1	22°21	S 18
M19	20 13 29	2°17'52	21° 0	17°D32	22°53	15°36	25°59	26°57	8°17	10°21	12°45	5° 2	3°38	1° 7	22°28	M19
T 20	20 17 25	3°15'23	4♋ 5	17°36	24° 7	16°15	26° 9	27° 5	8°20	10°20	12°47	5°R 2	3°34	1°14	22°35	T 20
W21	20 21 22	4°12'55	16°57	17°47	25°21	16°54	26°20	27°13	8°23	10°20	12°49	5° 2	3°31	1°21	22°42	W21
T 22	20 25 18	5°10'28	29°37	18° 4	26°35	17°33	26°30	27°21	8°26	10°19	12°51	5° 0	3°28	1°28	22°49	T 22
F 23	20 29 15	6° 8'02	12♌ 6	18°29	27°49	18°11	26°40	27°28	8°30	10°19	12°52	4°56	3°25	1°34	22°56	F 23
S 24	20 33 11	7° 5'38	24°24	19° 0	29° 3	18°50	26°50	27°36	8°33	10°18	12°54	4°51	3°22	1°41	23° 3	S 24
S 25	20 37 8	8° 3'14	6♍32	19°39	0♌17	19°29	27° 1	27°44	8°36	10°18	12°56	4°46	3°19	1°48	23° 9	S 25
M26	20 41 4	9° 0'52	18°32	20°24	1°31	20° 7	27°11	27°51	8°40	10°17	12°58	4°40	3°15	1°54	23°16	M26
T 27	20 45 1	9°58'31	0♎27	21°16	2°45	20°46	27°22	27°59	8°43	10°17	13° 0	4°34	3°12	2° 1	23°23	T 27
W28	20 48 58	10°56'11	12°18	22°14	3°59	21°25	27°32	28° 6	8°47	10°16	13° 2	4°29	3° 9	2° 8	23°30	W28
T 29	20 52 54	11°53'52	24°11	23°19	5°13	22° 3	27°43	28°14	8°50	10°15	13° 4	4°26	3° 6	2°15	23°37	T 29
F 30	20 56 51	12°51'34	6♏ 9	24°29	6°27	22°42	27°54	28°22	8°54	10°15	13° 6	4°25	3° 3	2°21	23°43	F 30
S 31	21 0 47	13♌49'17	18♏16	25♋46	7♌42	23♋20	28♍ 5	28♋29	8♍57	10♈14	13♌ 8	4°D24	3♑ 0	2♎28	23♋50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n41	11s 8	5s11	16n46	4s 9	23n34	0n 1	24n16	0n47	3n51	1n17	21n38	0n21	9n31	0n45	2n35	1s41	26n12	9n24	23s27	23s28	4s20	16n17	5s46
F 2	22 34	15 22	4 51	16 42	4 20	23 35	0 4	24 15	0 48	3 48	1 16	21 37	0 21	9 30	0 45	2 35	1 41	26 12	9 24	23 27	23 28	4 23	16 16	5 46
S 3	22 27	19 3	4 19	16 39	4 29	23 36	0 6	24 14	0 48	3 44	1 16	21 36	0 21	9 29	0 45	2 35	1 41	26 11	9 24	23 27	23 28	4 26	16 15	5 46
S 4	22 20	21 58	3 34	16 38	4 37	23 37	0 9	24 13	0 49	3 41	1 16	21 34	0 22	9 28	0 45	2 35	1 41	26 10	9 23	23 27	23 28	4 29	16 14	5 46
M 5	22 12	23 52	2 37	16 38	4 43	23 36	0 11	24 12	0 49	3 37	1 16	21 33	0 22	9 27	0 45	2 35	1 41	26 10	9 23	23 26	23 28	4 31	16 13	5 46
T 6	22 4	24 33	1 31	16 41	4 48	23 35	0 14	24 10	0 49	3 34	1 16	21 32	0 22	9 26	0 45	2 35	1 41	26 9	9 23	23 26	23 28	4 34	16 12	5 46
W 7	21 55	23 50	0 18	16 44	4 52	23 33	0 16	24 9	0 50	3 30	1 16	21 30	0 22	9 25	0 45	2 35	1 41	26 9	9 23	23 26	23 28	4 37	16 11	5 46
T 8	21 46	21 40	0n57	16 50	4 53	23 31	0 18	24 7	0 50	3 26	1 15	21 29	0 22	9 24	0 45	2 35	1 41	26 8	9 23	23 26	23 28	4 40	16 9	5 46
F 9	21 37	18 9	2 11	16 57	4 53	23 28	0 21	24 4	0 51	3 23	1 15	21 28	0 22	9 23	0 45	2 35	1 41	26 8	9 23	23 26	23 29	4 42	16 8	5 46
S 10	21 27	13 30	3 18	17 5	4 51	23 24	0 23	24 2	0 51	3 19	1 15	21 26	0 22	9 22	0 45	2 34	1 41	26 7	9 23	23 27	23 29	4 45	16 7	5 46
S 11	21 17	8 3	4 13	17 15	4 47	23 19	0 25	23 59	0 52	3 15	1 15	21 25	0 22	9 21	0 45	2 34	1 41	26 7	9 23	23 27	23 29	4 48	16 6	5 46
M12	21 7	2 9	4 52	17 25	4 42	23 14	0 28	23 57	0 52	3 11	1 15	21 24	0 22	9 19	0 44	2 34	1 41	26 6	9 23	23 27	23 29	4 50	16 5	5 47
T 13	20 56	3n51	5 12	17 37	4 35	23 8	0 30	23 54	0 53	3 7	1 14	21 22	0 22	9 18	0 44	2 34	1 42	26 5	9 23	23 27	23 29	4 53	16 4	5 47
W14	20 45	9 36	5 12	17 50	4 26	23 1	0 32	23 51	0 53	3 3	1 14	21 21	0 22	9 17	0 44	2 34	1 42	26 5	9 23	23 27	23 29	4 56	16 3	5 47
T 15	20 33	14 45	4 53	18 3	4 16	22 54	0 34	23 47	0 53	3 0	1 14	21 19	0 22	9 16	0 44	2 34	1 42	26 4	9 23	23 27	23 29	4 59	16 2	5 47
F 16	20 22	19 3	4 16	18 17	4 5	22 46	0 37	23 44	0 54	2 56	1 14	21 18	0 23	9 15	0 44	2 34	1 42	26 4	9 23	23 27	23 29	5 1	16 1	5 47
S 17	20 9	22 13	3 26	18 31	3 53	22 37	0 39	23 40	0 54	2 52	1 14	21 17	0 23	9 14	0 44	2 33	1 42	26 3	9 23	23 27	23 29	5 4	15 59	5 47
S 18	19 57	24 4	2 24	18 46	3 39	22 28	0 41	23 36	0 55	2 47	1 14	21 15	0 23	9 12	0 44	2 33	1 42	26 3	9 23	23 27	23 29	5 7	15 58	5 47
M19	19 44	24 30	1 16	19 0	3 25	22 18	0 43	23 32	0 55	2 43	1 14	21 14	0 23	9 11	0 44	2 33	1 42	26 2	9 23	23 27	23 30	5 10	15 57	5 47
T 20	19 31	23 34	0 5	19 14	3 10	22 7	0 45	23 28	0 56	2 39	1 13	21 12	0 23	9 10	0 44	2 33	1 42	26 2	9 23	23 27	23 30	5 12	15 56	5 47
W21	19 17	21 23	1s 5	19 29	2 54	21 56	0 47	23 24	0 56	2 35	1 13	21 11	0 23	9 9	0 44	2 33	1 42	26 1	9 23	23 27	23 30	5 15	15 55	5 47
T 22	19 3	18 11	2 10	19 42	2 38	21 44	0 49	23 19	0 56	2 31	1 13	21 10	0 23	9 7	0 44	2 32	1 42	26 1	9 23	23 27	23 30	5 18	15 53	5 48
F 23	18 49	14 13	3 9	19 55	2 22	21 31	0 51	23 14	0 57	2 27	1 13	21 8	0 23	9 6	0 44	2 32	1 42	26 0	9 23	23 27	23 30	5 20	15 52	5 48
S 24	18 35	9 43	3 57	20 7	2 5	21 18	0 53	23 9	0 57	2 22	1 13	21 7	0 23	9 5	0 44	2 32	1 42	26 0	9 24	23 27	23 30	5 23	15 51	5 48
S 25	18 20	4 54	4 34	20 18	1 49	21 4	0 55	23 4	0 58	2 18	1 13	21 5	0 23	9 4	0 44	2 32	1 42	25 59	9 24	23 27	23 30	5 26	15 50	5 48
M26	18 5	0s 1	4 59	20 28	1 32	20 49	0 56	22 59	0 58	2 14	1 12	21 4	0 23	9 2	0 44	2 31	1 42	25 58	9 24	23 28	23 30	5 29	15 48	5 48
T 27	17 49	4 55	5 10	20 36	1 16	20 34	0 58	22 54	0 58	2 10	1 12	21 2	0 24	9 1	0 44	2 31	1 42	25 58	9 24	23 28	23 30	5 31	15 47	5 48
W28	17 34	9 36	5 8	20 43	1 0	20 19	1 0	22 48	0 59	2 5	1 12	21 1	0 24	9 0	0 44	2 31	1 42	25 57	9 24	23 28	23 30	5 34	15 46	5 48
T 29	17 18	13 57	4 52	20 47	0 44	20 2	1 1	22 42	0 59	2 1	1 12	20 59	0 24	8 58	0 44	2 30	1 42	25 57	9 24	23 28	23 30	5 37	15 44	5 49
F 30	17 1	17 47	4 24	20 50	0 29	19 45	1 3	22 36	1 0	1 56	1 12	20 58	0 24	8 57	0 44	2 30	1 43	25 56	9 24	23 28	23 30	5 39	15 43	5 49
S 31	16n45	20s56	3s44	20n51	0s15	19n28	1n 5	22n30	1n 0	1n52	1n12	20n57	0n24	8n56	0n44	2n30	1s43	25n56	9n24	23s28	23s30	5s42	15n42	5s49

Julian Day Number = 2163191.5, Delta T = 13m00s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'53, Lahiri = 12°50'54 Julian Calendar 1 July 1210 == Greg. Calendar 8 July 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

AUGUST 1210 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 4 44	14♌47'01	0♐38	27♋ 8	8♌56	23♋59	28♍16	28♋37	9♍ 1	10°R13	13♌10	4♑25	2♑56	2♎35	23♋57	S 1
M 2	21 8 40	15°44'47	13°20	28°35	10°10	24°37	28°27	28°44	9° 4	10♈12	13°12	4°27	2°53	2°42	24° 3	M 2
T 3	21 12 37	16°42'34	26°24	0♌ 7	11°24	25°16	28°38	28°52	9° 8	10°11	13°13	4°28	2°50	2°48	24°10	T 3
W 4	21 16 33	17°40'22	9♑54	1°44	12°38	25°54	28°49	28°59	9°11	10°11	13°15	4°R28	2°47	2°55	24°17	W 4
T 5	21 20 30	18°38'11	23°51	3°25	13°53	26°32	29° 0	29° 7	9°15	10°10	13°17	4°27	2°44	3° 2	24°23	T 5
F 6	21 24 27	19°36'02	8♒14	5° 9	15° 7	27°11	29°12	29°14	9°18	10° 9	13°19	4°23	2°40	3° 8	24°30	F 6
S 7	21 28 23	20°33'54	22°56	6°56	16°21	27°49	29°23	29°22	9°22	10° 8	13°21	4°18	2°37	3°15	24°36	S 7
S 8	21 32 20	21°31'48	7♓52	8°46	17°36	28°27	29°34	29°29	9°26	10° 7	13°23	4°11	2°34	3°22	24°43	S 8
M 9	21 36 16	22°29'43	22°53	10°38	18°50	29° 5	29°46	29°36	9°29	10° 6	13°25	4° 4	2°31	3°29	24°49	M 9
T 10	21 40 13	23°27'40	7♈48	12°32	20° 4	29°44	29°57	29°44	9°33	10° 5	13°27	3°57	2°28	3°35	24°56	T 10
W11	21 44 9	24°25'39	22°31	14°27	21°19	0♌22	0♎ 9	29°51	9°37	10° 4	13°29	3°52	2°25	3°42	25° 2	W11
T 12	21 48 6	25°23'40	6♉56	16°23	22°33	1° 0	0°21	29°58	9°40	10° 3	13°30	3°48	2°21	3°49	25° 9	T 12
F 13	21 52 2	26°21'44	20°59	18°20	23°47	1°38	0°32	0♌ 5	9°44	10° 2	13°32	3°D47	2°18	3°55	25°15	F 13
S 14	21 55 59	27°19'49	4♊40	20°18	25° 2	2°16	0°44	0°13	9°48	10° 1	13°34	3°47	2°15	4° 2	25°21	S 14
S 15	21 59 56	28°17'56	18° 0	22°15	26°16	2°54	0°56	0°20	9°51	10° 0	13°36	3°48	2°12	4° 9	25°28	S 15
M16	22 3 52	29°16'05	1♋ 3	24°12	27°31	3°33	1° 8	0°27	9°55	9°58	13°38	3°R48	2° 9	4°16	25°34	M16
T 17	22 7 49	0♍14'16	13°50	26° 9	28°45	4°11	1°20	0°34	9°59	9°57	13°40	3°48	2° 6	4°22	25°40	T 17
W18	22 11 45	1°12'29	26°23	28° 6	29°59	4°49	1°32	0°41	10° 3	9°56	13°42	3°45	2° 2	4°29	25°46	W18
T 19	22 15 42	2°10'44	8♌47	0♍ 2	1♍14	5°27	1°44	0°48	10° 6	9°55	13°43	3°40	1°59	4°36	25°52	T 19
F 20	22 19 38	3° 9'01	21° 1	1°57	2°29	6° 5	1°56	0°55	10°10	9°53	13°45	3°33	1°56	4°43	25°59	F 20
S 21	22 23 35	4° 7'20	3♍ 8	3°51	3°44	6°42	2° 8	1° 2	10°14	9°52	13°47	3°23	1°53	4°49	26° 5	S 21
S 22	22 27 31	5° 5'40	15° 9	5°45	4°58	7°20	2°20	1° 9	10°18	9°51	13°49	3°12	1°50	4°56	26°11	S 22
M23	22 31 28	6° 4'03	27° 5	7°37	6°13	7°58	2°33	1°16	10°21	9°50	13°51	3° 0	1°46	5° 3	26°17	M23
T 24	22 35 25	7° 2'27	8♎57	9°28	7°28	8°36	2°45	1°22	10°25	9°48	13°53	2°48	1°43	5° 9	26°22	T 24
W25	22 39 21	8° 0'53	20°48	11°19	8°42	9°14	2°57	1°29	10°29	9°47	13°54	2°38	1°40	5°16	26°28	W25
T 26	22 43 18	8°59'20	2♏40	13° 8	9°57	9°52	3°10	1°36	10°33	9°46	13°56	2°30	1°37	5°23	26°34	T 26
F 27	22 47 14	9°57'50	14°36	14°56	11°12	10°30	3°22	1°42	10°37	9°44	13°58	2°24	1°34	5°30	26°40	F 27
S 28	22 51 11	10°56'21	26°41	16°43	12°26	11° 7	3°35	1°49	10°40	9°43	14° 0	2°21	1°31	5°36	26°46	S 28
S 29	22 55 7	11°54'53	8♐59	18°29	13°41	11°45	3°47	1°56	10°44	9°41	14° 1	2°D20	1°27	5°43	26°51	S 29
M30	22 59 4	12°53'28	21°35	20°14	14°56	12°23	4° 0	2° 2	10°48	9°40	14° 3	2°20	1°24	5°50	26°57	M30
T 31	23 3 0	13♍52'04	4♑34	21♍58	16♍10	13♌ 0	4♎12	2♌ 9	10♍52	9♈38	14♌ 5	2°R21	1♑21	5♎56	27♋ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n28	23s11	2s53	20n49	0s 1	19n10	1n 6	22n24	1n 0	1n47	1n12	20n55	0n24	8n54	0n44	2n29	1s43	25n55	9n24	23s28	23s31	5s45	15n41	5s49
M 2	16 11	24 21	1 52	20 44	0n13	18 51	1 8	22 17	1 1	1 43	1 12	20 54	0 24	8 53	0 44	2 29	1 43	25 55	9 24	23 28	23 31	5 47	15 39	5 49
T 3	15 54	24 13	0 44	20 37	0 25	18 32	1 9	22 11	1 1	1 38	1 11	20 52	0 24	8 52	0 44	2 29	1 43	25 54	9 24	23 28	23 31	5 50	15 38	5 50
W 4	15 36	22 41	0n29	20 27	0 37	18 13	1 10	22 4	1 2	1 34	1 11	20 51	0 24	8 50	0 44	2 28	1 43	25 54	9 24	23 28	23 31	5 53	15 36	5 50
T 5	15 18	19 44	1 43	20 15	0 48	17 53	1 12	21 57	1 2	1 29	1 11	20 49	0 24	8 49	0 44	2 28	1 43	25 53	9 24	23 28	23 31	5 56	15 35	5 50
F 6	15 0	15 31	2 52	20 0	0 58	17 32	1 13	21 50	1 2	1 24	1 11	20 48	0 25	8 48	0 44	2 28	1 43	25 53	9 24	23 28	23 31	5 58	15 34	5 50
S 7	14 42	10 17	3 51	19 42	1 7	17 11	1 14	21 43	1 3	1 20	1 11	20 46	0 25	8 46	0 44	2 27	1 43	25 53	9 25	23 28	23 31	6 1	15 32	5 51
S 8	14 23	4 23	4 36	19 21	1 15	16 49	1 15	21 35	1 3	1 15	1 11	20 45	0 25	8 45	0 44	2 27	1 43	25 52	9 25	23 29	23 31	6 4	15 31	5 51
M 9	14 4	1n46	5 1	18 57	1 22	16 27	1 16	21 28	1 4	1 10	1 11	20 44	0 25	8 43	0 44	2 26	1 43	25 52	9 25	23 29	23 31	6 6	15 30	5 51
T 10	13 45	7 48	5 6	18 32	1 28	16 4	1 17	21 20	1 4	1 6	1 11	20 42	0 25	8 42	0 44	2 26	1 43	25 51	9 25	23 29	23 31	6 9	15 28	5 51
W11	13 26	13 18	4 51	18 3	1 33	15 41	1 18	21 12	1 4	1 1	1 10	20 41	0 25	8 41	0 44	2 25	1 43	25 51	9 25	23 29	23 31	6 12	15 27	5 52
T 12	13 7	17 56	4 17	17 33	1 38	15 18	1 19	21 4	1 5	0 56	1 10	20 39	0 25	8 39	0 44	2 25	1 43	25 50	9 25	23 29	23 31	6 14	15 25	5 52
F 13	12 47	21 26	3 29	17 0	1 41	14 54	1 20	20 56	1 5	0 51	1 10	20 38	0 25	8 38	0 44	2 24	1 43	25 50	9 25	23 29	23 31	6 17	15 24	5 52
S 14	12 27	23 37	2 30	16 25	1 44	14 30	1 21	20 48	1 5	0 47	1 10	20 36	0 25	8 36	0 44	2 24	1 43	25 49	9 25	23 29	23 31	6 20	15 23	5 53
S 15	12 7	24 23	1 24	15 49	1 46	14 5	1 21	20 40	1 6	0 42	1 10	20 35	0 25	8 35	0 44	2 23	1 43	25 49	9 26	23 29	23 31	6 22	15 21	5 53
M16	11 47	23 47	0 15	15 11	1 47	13 40	1 22	20 31	1 6	0 37	1 10	20 33	0 26	8 34	0 44	2 23	1 43	25 49	9 26	23 29	23 31	6 25	15 20	5 53
T 17	11 26	21 56	0s53	14 32	1 47	13 15	1 22	20 22	1 7	0 32	1 10	20 32	0 26	8 32	0 44	2 22	1 43	25 48	9 26	23 29	23 32	6 28	15 18	5 54
W18	11 5	19 2	1 58	13 51	1 47	12 49	1 23	20 14	1 7	0 27	1 10	20 31	0 26	8 31	0 44	2 22	1 43	25 48	9 26	23 29	23 32	6 30	15 17	5 54
T 19	10 45	15 19	2 55	13 10	1 46	12 23	1 23	20 5	1 7	0 22	1 10	20 29	0 26	8 29	0 44	2 21	1 43	25 47	9 26	23 29	23 32	6 33	15 16	5 54
F 20	10 24	11 1	3 44	12 27	1 44	11 56	1 24	19 56	1 8	0 17	1 10	20 28	0 26	8 28	0 44	2 21	1 44	25 47	9 26	23 30	23 32	6 35	15 14	5 55
S 21	10 2	6 19	4 22	11 44	1 42	11 29	1 24	19 46	1 8	0 13	1 9	20 26	0 26	8 26	0 44	2 20	1 44	25 46	9 26	23 30	23 32	6 38	15 13	5 55
S 22	9 41	1 27	4 48	10 59	1 40	11 2	1 24	19 37	1 8	0 8	1 9	20 25	0 26	8 25	0 44	2 20	1 44	25 46	9 27	23 30	23 32	6 41	15 11	5 55
M23	9 19	3s26	5 1	10 15	1 37	10 35	1 25	19 28	1 9	0 3	1 9	20 24	0 26	8 24	0 44	2 19	1 44	25 46	9 27	23 30	23 32	6 43	15 10	5 56
T 24	8 58	8 10	5 1	9 29	1 33	10 7	1 25	19 18	1 9	0s 2	1 9	20 22	0 26	8 22	0 44	2 19	1 44	25 45	9 27	23 31	23 32	6 46	15 8	5 56
W25	8 36	12 35	4 48	8 44	1 29	9 39	1 25	19 8	1 9	0 7	1 9	20 21	0 27	8 21	0 44	2 18	1 44	25 45	9 27	23 31	23 32	6 49	15 7	5 56
T 26	8 14	16 33	4 22	7 58	1 25	9 11	1 25	18 58	1 10	0 12	1 9	20 19	0 27	8 19	0 44	2 18	1 44	25 45	9 27	23 31	23 32	6 51	15 5	5 57
F 27	7 52	19 52	3 45	7 11	1 20	8 42	1 25	18 49	1 10	0 17	1 9	20 18	0 27	8 18	0 44	2 17	1 44	25 44	9 28	23 31	23 32	6 54	15 4	5 57
S 28	7 30	22 22	2 57	6 25	1 15	8 13	1 25	18 38	1 11	0 22	1 9	20 17	0 27	8 16	0 44	2 16	1 44	25 44	9 28	23 31	23 32	6 57	15 3	5 58
S 29	7 7	23 53	2 1	5 39	1 10	7 44	1 24	18 28	1 11	0 27	1 9	20 15	0 27	8 15	0 44	2 16	1 44	25 44	9 28	23 31	23 32	6 59	15 1	5 58
M30	6 45	24 13	0 57	4 52	1 4	7 15	1 24	18 18	1 11	0 33	1 9	20 14	0 27	8 14	0 44	2 15	1 44	25 43	9 28	23 31	23 32	7 2	15 0	5 58
T 31	6n22	23s16	0n12	4n 6	0n59	6n46	1n24	18n 8	1n12	0s38	1n 9	20n13	0n27	8n12	0n44	2n15	1s44	25n43	9n28	23s31	23s32	7s 4	14n58	5s59

Julian Day Number = 2163222.5, Delta T = 13m00s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°43'57, Lahiri = 12°50'58 Julian Calendar 1 Aug. 1210 == Greg. Calendar 8 Aug. 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

SEPTEMBER 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 6 57	14♍50'42	18♉ 1	23♍41	17♍25	13♌38	4♎25	2♌15	10♍55	9°R37	14♌ 6	2°R20	1♉18	6♎ 3	27♋ 8	W 1
T 2	23 10 53	15°49'22	1♒56	25°23	18°40	14°16	4°37	2°21	10°59	9♈35	14° 8	2♉17	1°15	6°10	27°14	T 2
F 3	23 14 50	16°48'03	16°21	27° 4	19°55	14°53	4°50	2°28	11° 3	9°34	14°10	2°11	1°12	6°17	27°19	F 3
S 4	23 18 47	17°46'46	1♓12	28°44	21° 9	15°31	5° 3	2°34	11° 7	9°32	14°11	2° 3	1° 8	6°23	27°24	S 4
S 5	23 22 43	18°45'31	16°22	0♎23	22°24	16° 8	5°15	2°40	11°10	9°31	14°13	1°53	1° 5	6°30	27°30	S 5
M 6	23 26 40	19°44'18	1♈40	2° 1	23°39	16°46	5°28	2°46	11°14	9°29	14°15	1°43	1° 2	6°37	27°35	M 6
T 7	23 30 36	20°43'08	16°55	3°38	24°54	17°23	5°41	2°52	11°18	9°28	14°16	1°32	0°59	6°44	27°40	T 7
W 8	23 34 33	21°41'59	1♉56	5°14	26° 9	18° 1	5°54	2°58	11°22	9°26	14°18	1°23	0°56	6°50	27°45	W 8
T 9	23 38 29	22°40'53	16°36	6°49	27°24	18°38	6° 7	3° 4	11°25	9°25	14°19	1°17	0°52	6°57	27°50	T 9
F 10	23 42 26	23°39'49	0♊49	8°24	28°38	19°16	6°19	3°10	11°29	9°23	14°21	1°14	0°49	7° 4	27°55	F 10
S 11	23 46 22	24°38'47	14°35	9°57	29°53	19°53	6°32	3°16	11°33	9°21	14°23	1°12	0°46	7°10	28° 0	S 11
S 12	23 50 19	25°37'48	27°55	11°30	1♎ 8	20°30	6°45	3°22	11°37	9°20	14°24	1°12	0°43	7°17	28° 5	S 12
M13	23 54 16	26°36'51	10♋52	13° 1	2°23	21° 8	6°58	3°27	11°40	9°18	14°26	1°12	0°40	7°24	28°10	M13
T 14	23 58 12	27°35'57	23°30	14°32	3°38	21°45	7°11	3°33	11°44	9°17	14°27	1°10	0°37	7°31	28°14	T 14
W15	0 2 9	28°35'04	5♌53	16° 2	4°53	22°22	7°24	3°38	11°48	9°15	14°29	1° 7	0°33	7°37	28°19	W15
T 16	0 6 5	29°34'15	18° 5	17°31	6° 8	22°59	7°37	3°44	11°51	9°13	14°30	1° 0	0°30	7°44	28°24	T 16
F 17	0 10 2	0♎33'27	0♍ 9	18°59	7°23	23°37	7°50	3°49	11°55	9°12	14°31	0°51	0°27	7°51	28°28	F 17
S 18	0 13 58	1°32'41	12° 8	20°27	8°37	24°14	8° 3	3°54	11°58	9°10	14°33	0°39	0°24	7°58	28°33	S 18
S 19	0 17 55	2°31'58	24° 2	21°53	9°52	24°51	8°16	4° 0	12° 2	9° 8	14°34	0°25	0°21	8° 4	28°37	S 19
M20	0 21 51	3°31'17	5♎55	23°19	11° 7	25°28	8°29	4° 5	12° 6	9° 7	14°36	0°10	0°17	8°11	28°41	M20
T 21	0 25 48	4°30'37	17°47	24°44	12°22	26° 5	8°42	4°10	12° 9	9° 5	14°37	29♐56	0°14	8°18	28°46	T 21
W22	0 29 45	5°30'00	29°39	26° 7	13°37	26°42	8°55	4°15	12°13	9° 3	14°38	29°43	0°11	8°24	28°50	W22
T 23	0 33 41	6°29'25	11♏33	27°30	14°52	27°19	9° 8	4°20	12°16	9° 2	14°40	29°33	0° 8	8°31	28°54	T 23
F 24	0 37 38	7°28'52	23°32	28°52	16° 7	27°56	9°21	4°25	12°20	9° 0	14°41	29°25	0° 5	8°38	28°58	F 24
S 25	0 41 34	8°28'21	5♐39	0♏13	17°22	28°33	9°34	4°30	12°23	8°58	14°42	29°21	0° 2	8°45	29° 2	S 25
S 26	0 45 31	9°27'52	17°57	1°32	18°37	29°10	9°47	4°34	12°27	8°57	14°43	29°19	29♐58	8°51	29° 6	S 26
M27	0 49 27	10°27'24	0♉30	2°51	19°52	29°47	10° 0	4°39	12°30	8°55	14°45	29°D18	29°55	8°58	29° 9	M27
T 28	0 53 24	11°26'58	13°24	4° 8	21° 7	0♍24	10°13	4°43	12°34	8°53	14°46	29°R18	29°52	9° 5	29°13	T 28
W29	0 57 20	12°26'34	26°43	5°24	22°22	1° 1	10°26	4°48	12°37	8°52	14°47	29°18	29°49	9°11	29°17	W29
T 30	1 1 17	13♎26'12	10♒29	6♏38	23♎37	1♍38	10♎39	4♌52	12♍41	8♈50	14♌48	29♐15	29♐46	9♎18	29♋20	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n 0	20s58	1n22	3n19	0n53	6n16	1n23	17n57	1n12	0s43	1n 9	20n11	0n27	8n11	0n44	2n14	1s44	25n43	9n29	23s31	23s32	7s 7	14n57	5s59	W 1
T 2	5 37	17 23	2 30	2 33	0 46	5 46	1 23	17 46	1 12	0 48	1 9	20 10	0 28	8 9	0 44	2 13	1 44	25 42	9 29	23 31	23 32	7 10	14 55	6 0	T 2
F 3	5 14	12 39	3 31	1 47	0 40	5 16	1 22	17 36	1 13	0 53	1 9	20 9	0 28	8 8	0 44	2 13	1 44	25 42	9 29	23 31	23 32	7 12	14 54	6 0	F 3
S 4	4 51	7 4	4 19	1 1	0 34	4 46	1 22	17 25	1 13	0 58	1 8	20 7	0 28	8 6	0 44	2 12	1 44	25 42	9 29	23 32	23 32	7 15	14 52	6 1	S 4
S 5	4 28	0 57	4 50	0 16	0 27	4 16	1 21	17 14	1 13	1 3	1 8	20 6	0 28	8 5	0 44	2 12	1 44	25 41	9 29	23 32	23 32	7 17	14 51	6 1	S 5
M 6	4 5	5n15	5 1	0s30	0 20	3 46	1 20	17 3	1 14	1 8	1 8	20 5	0 28	8 3	0 44	2 11	1 44	25 41	9 30	23 32	23 32	7 20	14 49	6 1	M 6
T 7	3 42	11 8	4 50	1 15	0 13	3 15	1 20	16 52	1 14	1 13	1 8	20 3	0 28	8 2	0 44	2 10	1 44	25 41	9 30	23 32	23 32	7 23	14 48	6 2	T 7
W 8	3 18	16 15	4 20	2 0	0 6	2 45	1 19	16 41	1 14	1 18	1 8	20 2	0 28	8 1	0 44	2 10	1 44	25 41	9 30	23 32	23 32	7 25	14 47	6 2	W 8
T 9	2 55	20 15	3 32	2 44	0s 1	2 14	1 18	16 29	1 15	1 24	1 8	20 1	0 28	7 59	0 44	2 9	1 44	25 40	9 30	23 32	23 32	7 28	14 45	6 3	T 9
F 10	2 32	22 54	2 33	3 28	0 8	1 43	1 17	16 18	1 15	1 29	1 8	20 0	0 29	7 58	0 44	2 8	1 44	25 40	9 31	23 32	23 32	7 30	14 44	6 3	F 10
S 11	2 8	24 5	1 27	4 11	0 15	1 12	1 16	16 6	1 15	1 34	1 8	19 58	0 29	7 56	0 44	2 8	1 44	25 40	9 31	23 32	23 32	7 33	14 42	6 4	S 11
S 12	1 45	23 49	0 17	4 55	0 23	0 41	1 15	15 55	1 16	1 39	1 8	19 57	0 29	7 55	0 44	2 7	1 44	25 40	9 31	23 32	23 32	7 36	14 41	6 4	S 12
M13	1 21	22 15	0s51	5 37	0 30	0 10	1 14	15 43	1 16	1 44	1 8	19 56	0 29	7 54	0 44	2 6	1 44	25 39	9 31	23 32	23 32	7 38	14 39	6 5	M13
T 14	0 58	19 36	1 55	6 19	0 37	0s21	1 12	15 31	1 16	1 49	1 8	19 55	0 29	7 52	0 44	2 6	1 44	25 39	9 32	23 32	23 32	7 41	14 38	6 5	T 14
W15	0 34	16 6	2 52	7 1	0 44	0 51	1 11	15 19	1 17	1 55	1 8	19 54	0 29	7 51	0 44	2 5	1 44	25 39	9 32	23 32	23 32	7 43	14 37	6 6	W15
T 16	0 10	11 59	3 40	7 42	0 52	1 22	1 10	15 7	1 17	2 0	1 8	19 53	0 29	7 49	0 44	2 4	1 44	25 39	9 32	23 32	23 32	7 46	14 35	6 6	T 16
F 17	0s13	7 26	4 18	8 22	0 59	1 53	1 9	14 55	1 17	2 5	1 8	19 51	0 29	7 48	0 44	2 4	1 44	25 39	9 32	23 32	23 32	7 48	14 34	6 7	F 17
S 18	0 37	2 40	4 44	9 2	1 6	2 24	1 7	14 43	1 18	2 10	1 8	19 50	0 30	7 47	0 44	2 3	1 44	25 38	9 33	23 32	23 32	7 51	14 32	6 8	S 18
S 19	1 1	2s10	4 57	9 42	1 13	2 55	1 6	14 31	1 18	2 15	1 8	19 49	0 30	7 45	0 44	2 2	1 44	25 38	9 33	23 32	23 32	7 54	14 31	6 8	S 19
M20	1 24	6 55	4 58	10 20	1 20	3 26	1 4	14 19	1 18	2 20	1 8	19 48	0 30	7 44	0 44	2 2	1 44	25 38	9 33	23 33	23 32	7 56	14 30	6 9	M20
T 21	1 48	11 23	4 45	10 58	1 27	3 57	1 3	14 6	1 18	2 26	1 8	19 47	0 30	7 43	0 44	2 1	1 44	25 38	9 33	23 33	23 33	7 59	14 28	6 9	T 21
W22	2 12	15 27	4 20	11 35	1 34	4 28	1 1	13 54	1 19	2 31	1 8	19 46	0 30	7 41	0 44	2 0	1 44	25 38	9 34	23 32	23 33	8 1	14 27	6 10	W22
T 23	2 35	18 54	3 44	12 12	1 41	4 58	0 59	13 41	1 19	2 36	1 8	19 45	0 30	7 40	0 44	2 0	1 44	25 38	9 34	23 32	23 33	8 4	14 25	6 10	T 23
F 24	2 59	21 35	2 57	12 47	1 47	5 29	0 58	13 29	1 19	2 41	1 8	19 44	0 30	7 39	0 44	1 59	1 44	25 37	9 34	23 32	23 33	8 6	14 24	6 11	F 24
S 25	3 22	23 20	2 2	13 22	1 54	5 59	0 56	13 16	1 20	2 46	1 8	19 43	0 31	7 37	0 44	1 58	1 44	25 37	9 35	23 32	23 33	8 9	14 23	6 11	S 25
S 26	3 46	23 59	1 0	13 56	2 0	6 30	0 54	13 4	1 20	2 51	1 8	19 42	0 31	7 36	0 44	1 58	1 44	25 37	9 35	23 32	23 33	8 11	14 21	6 12	S 26
M27	4 9	23 26	0n 6	14 29	2 6	7 0	0 52	12 51	1 20	2 56	1 8	19 41	0 31	7 35	0 44	1 57	1 44	25 37	9 35	23 32	23 33	8 14	14 20	6 13	M27
T 28	4 33	21 38	1 14	15 1	2 12	7 30	0 50	12 38	1 21	3 2	1 8	19 40	0 31	7 33	0 44	1 56	1 44	25 37	9 35	23 32	23 33	8 17	14 19	6 13	T 28
W29	4 56	18 37	2 20	15 33	2 18	8 0	0 48	12 25	1 21	3 7	1 8	19 39	0 31	7 32	0 44	1 56	1 44	25 37	9 36	23 32	23 33	8 19	14 18	6 14	W29
T 30	5s20	14s29	3n20	16s 3	2s23	8s29	0n46	12n12	1n21	3s12	1n 8	19n38	0n31	7n31	0n44	1n55	1s44	25n37	9n36	23s32	23s32	8s22	14n16	6s14	T 30

Julian Day Number = 2163253.5, Delta T = 13m00s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'02, Lahiri = 12°51'02 Julian Calendar 1 Sept. 1210 == Greg. Calendar 8 Sept. 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

OCTOBER 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 5 14	14♎25'51	24♒44	7♏51	24♎52	2♍15	10♎53	4♌56	12♍44	8°R48	14♌49	29°R10	29♐43	9♎25	29♋24	F 1
S 2	1 9 10	15°25'33	9♓27	9° 2	26° 7	2°51	11° 6	5° 1	12°47	8♈46	14°50	29♐ 3	29°39	9°32	29°27	S 2
S 3	1 13 7	16°25'16	24°32	10°11	27°22	3°28	11°19	5° 5	12°51	8°45	14°52	28°53	29°36	9°38	29°30	S 3
M 4	1 17 3	17°25'01	9♈51	11°19	28°37	4° 5	11°32	5° 9	12°54	8°43	14°53	28°43	29°33	9°45	29°33	M 4
T 5	1 21 0	18°24'47	25°11	12°24	29°52	4°42	11°45	5°13	12°57	8°42	14°54	28°32	29°30	9°52	29°36	T 5
W 6	1 24 56	19°24'36	10♉22	13°26	1♏ 7	5°18	11°58	5°16	13° 0	8°40	14°55	28°24	29°27	9°58	29°39	W 6
T 7	1 28 53	20°24'28	25°14	14°26	2°22	5°55	12°11	5°20	13° 4	8°38	14°56	28°17	29°23	10° 5	29°42	T 7
F 8	1 32 49	21°24'21	9♊39	15°23	3°37	6°31	12°24	5°24	13° 7	8°37	14°57	28°14	29°20	10°12	29°45	F 8
S 9	1 36 46	22°24'16	23°35	16°17	4°52	7° 8	12°37	5°27	13°10	8°35	14°57	28°D12	29°17	10°19	29°48	S 9
S 10	1 40 42	23°24'14	7♋ 2	17° 7	6° 7	7°44	12°50	5°31	13°13	8°33	14°58	28°12	29°14	10°25	29°51	S 10
M11	1 44 39	24°24'14	20° 3	17°53	7°22	8°21	13° 3	5°34	13°16	8°32	14°59	28°R13	29°11	10°32	29°53	M11
T 12	1 48 36	25°24'16	2♌42	18°34	8°36	8°57	13°15	5°37	13°19	8°30	15° 0	28°13	29° 8	10°39	29°56	T 12
W13	1 52 32	26°24'21	15° 3	19°10	9°51	9°34	13°28	5°40	13°22	8°29	15° 1	28°11	29° 4	10°46	29°58	W13
T 14	1 56 29	27°24'27	27°10	19°41	11° 6	10°10	13°41	5°43	13°25	8°27	15° 2	28° 7	29° 1	10°52	0♌ 0	T 14
F 15	2 0 25	28°24'36	9♍ 9	20° 6	12°21	10°47	13°54	5°46	13°28	8°25	15° 3	28° 0	28°58	10°59	0° 2	F 15
S 16	2 4 22	29°24'46	21° 3	20°24	13°36	11°23	14° 7	5°49	13°31	8°24	15° 3	27°51	28°55	11° 6	0° 5	S 16
S 17	2 8 18	0♏24'59	2♎55	20°34	14°51	11°59	14°20	5°52	13°34	8°22	15° 4	27°40	28°52	11°12	0° 6	S 17
M18	2 12 15	1°25'14	14°46	20°R36	16° 6	12°36	14°33	5°55	13°37	8°21	15° 5	27°28	28°48	11°19	0° 8	M18
T 19	2 16 11	2°25'30	26°40	20°30	17°21	13°12	14°45	5°57	13°40	8°19	15° 5	27°17	28°45	11°26	0°10	T 19
W20	2 20 8	3°25'48	8♏37	20°14	18°36	13°48	14°58	6° 0	13°42	8°18	15° 6	27° 7	28°42	11°33	0°12	W20
T 21	2 24 5	4°26'08	20°39	19°48	19°51	14°24	15°11	6° 2	13°45	8°16	15° 7	26°59	28°39	11°39	0°13	T 21
F 22	2 28 1	5°26'30	2♐46	19°13	21° 6	15° 0	15°24	6° 4	13°48	8°15	15° 7	26°54	28°36	11°46	0°15	F 22
S 23	2 31 58	6°26'54	15° 2	18°27	22°21	15°36	15°36	6° 6	13°50	8°13	15° 8	26°51	28°33	11°53	0°16	S 23
S 24	2 35 54	7°27'19	27°28	17°32	23°36	16°12	15°49	6° 8	13°53	8°12	15° 8	26°D50	28°29	11°59	0°18	S 24
M25	2 39 51	8°27'45	10♑ 8	16°29	24°51	16°48	16° 1	6°10	13°56	8°11	15° 9	26°51	28°26	12° 6	0°19	M25
T 26	2 43 47	9°28'13	23° 4	15°17	26° 6	17°24	16°14	6°12	13°58	8° 9	15° 9	26°52	28°23	12°13	0°20	T 26
W27	2 47 44	10°28'43	6♒19	14° 1	27°21	18° 0	16°26	6°14	14° 1	8° 8	15°10	26°R53	28°20	12°20	0°21	W27
T 28	2 51 40	11°29'13	19°57	12°41	28°36	18°36	16°39	6°15	14° 3	8° 7	15°10	26°53	28°17	12°26	0°22	T 28
F 29	2 55 37	12°29'45	3♓59	11°20	29°51	19°12	16°51	6°17	14° 6	8° 5	15°10	26°51	28°14	12°33	0°23	F 29
S 30	2 59 34	13°30'18	18°24	10° 1	1♐ 6	19°48	17° 4	6°18	14° 8	8° 4	15°11	26°47	28°10	12°40	0°23	S 30
S 31	3 3 30	14♏30'52	3♈11	8♏46	2♐21	20♍23	17♎16	6♌19	14♍10	8♈ 3	15♌11	26♐41	28♐ 7	12♎47	0♌24	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s43	9s25	4n 9	16s32	2s29	8s59	0n44	11n59	1n22	3s17	1n 8	19n37	0n31	7n29	0n44	1n54	1s44	25n37	9n36	23s32	23s32	8s24	14n15	6s15	F 1
S 2	6 6	3 40	4 44	17 0	2 34	9 28	0 42	11 46	1 22	3 22	1 8	19 36	0 31	7 28	0 44	1 54	1 44	25 37	9 37	23 32	23 32	8 27	14 14	6 16	S 2
S 3	6 29	2n25	5 1	17 26	2 38	9 57	0 40	11 33	1 22	3 27	1 8	19 35	0 32	7 27	0 44	1 53	1 44	25 37	9 37	23 32	23 32	8 29	14 12	6 16	S 3
M 4	6 52	8 27	4 56	17 52	2 42	10 26	0 38	11 20	1 22	3 32	1 8	19 35	0 32	7 26	0 44	1 52	1 44	25 37	9 37	23 32	23 32	8 32	14 11	6 17	M 4
T 5	7 15	13 58	4 30	18 15	2 46	10 55	0 36	11 7	1 23	3 37	1 8	19 34	0 32	7 24	0 44	1 52	1 44	25 37	9 38	23 32	23 32	8 34	14 10	6 17	T 5
W 6	7 38	18 33	3 45	18 38	2 50	11 23	0 34	10 54	1 23	3 43	1 8	19 33	0 32	7 23	0 44	1 51	1 44	25 37	9 38	23 32	23 32	8 37	14 9	6 18	W 6
T 7	8 0	21 50	2 46	18 59	2 53	11 51	0 31	10 40	1 23	3 48	1 8	19 32	0 32	7 22	0 44	1 50	1 44	25 37	9 38	23 32	23 32	8 39	14 7	6 19	T 7
F 8	8 23	23 35	1 37	19 18	2 55	12 19	0 29	10 27	1 24	3 53	1 8	19 31	0 32	7 21	0 44	1 50	1 44	25 37	9 39	23 32	23 32	8 42	14 6	6 19	F 8
S 9	8 45	23 48	0 25	19 36	2 57	12 47	0 27	10 14	1 24	3 58	1 8	19 31	0 33	7 20	0 44	1 49	1 44	25 37	9 39	23 32	23 32	8 44	14 5	6 20	S 9
S 10	9 8	22 34	0s47	19 52	2 58	13 14	0 24	10 0	1 24	4 3	1 8	19 30	0 33	7 18	0 44	1 49	1 44	25 37	9 39	23 32	23 32	8 47	14 4	6 21	S 10
M11	9 30	20 10	1 54	20 5	2 58	13 41	0 22	9 47	1 25	4 8	1 8	19 29	0 33	7 17	0 44	1 48	1 44	25 37	9 40	23 32	23 32	8 49	14 3	6 21	M11
T 12	9 52	16 50	2 53	20 17	2 58	14 7	0 20	9 33	1 25	4 13	1 8	19 29	0 33	7 16	0 45	1 47	1 44	25 37	9 40	23 32	23 32	8 52	14 2	6 22	T 12
W13	10 14	12 51	3 43	20 26	2 57	14 33	0 17	9 20	1 25	4 18	1 8	19 28	0 33	7 15	0 45	1 47	1 44	25 37	9 40	23 32	23 32	8 54	14 1	6 23	W13
T 14	10 36	8 25	4 21	20 32	2 55	14 59	0 15	9 6	1 25	4 23	1 8	19 27	0 33	7 14	0 45	1 46	1 44	25 37	9 41	23 32	23 32	8 57	13 59	6 23	T 14
F 15	10 57	3 43	4 48	20 36	2 52	15 25	0 12	8 53	1 26	4 28	1 8	19 27	0 33	7 13	0 45	1 46	1 44	25 37	9 41	23 32	23 32	8 59	13 58	6 24	F 15
S 16	11 19	1s 4	5 2	20 36	2 47	15 50	0 10	8 39	1 26	4 33	1 8	19 26	0 34	7 12	0 45	1 45	1 44	25 37	9 41	23 31	23 32	9 2	13 57	6 25	S 16
S 17	11 40	5 47	5 3	20 34	2 41	16 15	0 8	8 25	1 26	4 38	1 8	19 26	0 34	7 11	0 45	1 44	1 44	25 37	9 42	23 31	23 32	9 4	13 56	6 25	S 17
M18	12 1	10 18	4 51	20 27	2 34	16 39	0 5	8 12	1 26	4 43	1 8	19 25	0 34	7 9	0 45	1 44	1 44	25 37	9 42	23 31	23 32	9 7	13 55	6 26	M18
T 19	12 22	14 27	4 26	20 17	2 26	17 3	0 3	7 58	1 27	4 48	1 8	19 25	0 34	7 8	0 45	1 43	1 44	25 38	9 42	23 31	23 32	9 9	13 54	6 26	T 19
W20	12 43	18 3	3 49	20 3	2 16	17 26	0 0	7 44	1 27	4 52	1 8	19 24	0 34	7 7	0 45	1 43	1 44	25 38	9 43	23 31	23 32	9 12	13 53	6 27	W20
T 21	13 3	20 54	3 2	19 45	2 4	17 49	0s 2	7 30	1 27	4 57	1 8	19 24	0 34	7 6	0 45	1 42	1 44	25 38	9 43	23 30	23 32	9 14	13 52	6 28	T 21
F 22	13 24	22 51	2 6	19 22	1 51	18 11	0 5	7 17	1 28	5 2	1 8	19 24	0 35	7 5	0 45	1 42	1 44	25 38	9 43	23 30	23 32	9 17	13 51	6 29	F 22
S 23	13 44	23 45	1 3	18 55	1 35	18 33	0 7	7 3	1 28	5 7	1 8	19 23	0 35	7 4	0 45	1 41	1 44	25 38	9 44	23 30	23 32	9 19	13 50	6 29	S 23
S 24	14 3	23 28	0n 3	18 24	1 19	18 55	0 10	6 49	1 28	5 12	1 8	19 23	0 35	7 3	0 45	1 40	1 44	25 38	9 44	23 30	23 32	9 22	13 49	6 30	S 24
M25	14 23	21 58	1 11	17 48	1 0	19 16	0 12	6 35	1 28	5 17	1 8	19 23	0 35	7 2	0 45	1 40	1 44	25 39	9 44	23 30	23 32	9 24	13 48	6 31	M25
T 26	14 43	19 19	2 17	17 9	0 41	19 36	0 15	6 21	1 29	5 21	1 8	19 22	0 35	7 1	0 45	1 39	1 44	25 39	9 45	23 30	23 32	9 26	13 48	6 31	T 26
W27	15 2	15 36	3 17	16 27	0 21	19 56	0 17	6 8	1 29	5 26	1 8	19 22	0 35	7 0	0 45	1 39	1 44	25 39	9 45	23 30	23 32	9 29	13 47	6 32	W27
T 28	15 21	10 59	4 8	15 43	0 0	20 16	0 20	5 54	1 29	5 31	1 9	19 22	0 35	7 0	0 45	1 38	1 44	25 39	9 45	23 30	23 32	9 31	13 46	6 33	T 28
F 29	15 39	5 40	4 45	14 58	0n20	20 34	0 23	5 40	1 29	5 36	1 9	19 22	0 36	6 59	0 45	1 38	1 44	25 39	9 46	23 30	23 32	9 34	13 45	6 33	F 29
S 30	15 58	0n 5	5 6	14 14	0 40	20 53	0 25	5 26	1 30	5 40	1 9	19 21	0 36	6 58	0 45	1 37	1 44	25 40	9 46	23 30	23 32	9 36	13 44	6 34	S 30
S 31	16s16	5n58	5n 7	13s33	1n 0	21s10	0s28	5n12	1n30	5s45	1n 9	19n21	0n36	6n57	0n45	1n37	1s44	25n40	9n47	23s30	23s32	9s39	13n43	6s35	S 31

Julian Day Number = 2163283.5, Delta T = 13m00s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'06, Lahiri = 12°51'06 Julian Calendar 1 Oct. 1210 == Greg. Calendar 8 Oct. 1210

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

NOVEMBER 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 7 27	15♏31'28	18♈11	7°R38	3♐36	20♍59	17♎28	6♌20	14♍13	8°R 1	15♌11	26°R35	28♐ 4	12♎53	0♌24	M 1
T 2	3 11 23	16°32'05	3♉18	6♏39	4°51	21°35	17°41	6°21	14°15	8♈ 0	15°11	26♐28	28° 1	13° 0	0°25	T 2
W 3	3 15 20	17°32'43	18°21	5°51	6° 6	22°10	17°53	6°22	14°17	7°59	15°12	26°23	27°58	13° 7	0°25	W 3
T 4	3 19 16	18°33'23	3♊10	5°13	7°21	22°46	18° 5	6°23	14°19	7°58	15°12	26°19	27°54	13°13	0°25	T 4
F 5	3 23 13	19°34'05	17°39	4°47	8°36	23°21	18°17	6°24	14°21	7°57	15°12	26°17	27°51	13°20	0°R25	F 5
S 6	3 27 9	20°34'48	1♋42	4°33	9°50	23°57	18°29	6°24	14°23	7°55	15°12	26°D17	27°48	13°27	0°25	S 6
S 7	3 31 6	21°35'32	15°17	4°D30	11° 5	24°32	18°41	6°25	14°25	7°54	15°12	26°18	27°45	13°34	0°25	S 7
M 8	3 35 3	22°36'18	28°25	4°38	12°20	25° 8	18°53	6°25	14°27	7°53	15°12	26°20	27°42	13°40	0°25	M 8
T 9	3 38 59	23°37'06	11♌10	4°55	13°35	25°43	19° 5	6°25	14°29	7°52	15°12	26°21	27°39	13°47	0°25	T 9
W10	3 42 56	24°37'55	23°35	5°22	14°50	26°18	19°17	6°26	14°31	7°51	15°R12	26°R22	27°35	13°54	0°24	W10
T 11	3 46 52	25°38'46	5♍44	5°57	16° 5	26°53	19°28	6°R26	14°33	7°50	15°12	26°22	27°32	14° 0	0°24	T 11
F 12	3 50 49	26°39'38	17°43	6°39	17°20	27°29	19°40	6°25	14°35	7°49	15°12	26°20	27°29	14° 7	0°23	F 12
S 13	3 54 45	27°40'31	29°36	7°28	18°35	28° 4	19°52	6°25	14°36	7°48	15°12	26°16	27°26	14°14	0°22	S 13
S 14	3 58 42	28°41'26	11♎27	8°23	19°50	28°39	20° 3	6°25	14°38	7°47	15°12	26°12	27°23	14°21	0°22	S 14
M15	4 2 38	29°42'22	23°20	9°22	21° 4	29°14	20°15	6°24	14°39	7°46	15°12	26° 7	27°20	14°27	0°21	M15
T 16	4 6 35	0♐43'19	5♏17	10°26	22°19	29°49	20°26	6°24	14°41	7°45	15°12	26° 2	27°16	14°34	0°20	T 16
W17	4 10 32	1°44'18	17°20	11°33	23°34	0♎24	20°38	6°23	14°43	7°45	15°12	25°58	27°13	14°41	0°19	W17
T 18	4 14 28	2°45'18	29°32	12°44	24°49	0°59	20°49	6°22	14°44	7°44	15°11	25°55	27°10	14°47	0°17	T 18
F 19	4 18 25	3°46'19	11♐54	13°58	26° 4	1°33	21° 0	6°22	14°45	7°43	15°11	25°53	27° 7	14°54	0°16	F 19
S 20	4 22 21	4°47'20	24°26	15°14	27°19	2° 8	21°11	6°21	14°47	7°42	15°11	25°D52	27° 4	15° 1	0°15	S 20
S 21	4 26 18	5°48'23	7♑10	16°32	28°33	2°43	21°22	6°19	14°48	7°42	15°11	25°53	27° 0	15° 8	0°13	S 21
M22	4 30 14	6°49'26	20° 6	17°52	29°48	3°17	21°33	6°18	14°49	7°41	15°10	25°54	26°57	15°14	0°11	M22
T 23	4 34 11	7°50'30	3♒16	19°14	1♑ 3	3°52	21°44	6°17	14°50	7°40	15°10	25°55	26°54	15°21	0°10	T 23
W24	4 38 8	8°51'34	16°40	20°37	2°18	4°26	21°55	6°15	14°52	7°40	15°10	25°57	26°51	15°28	0° 8	W24
T 25	4 42 4	9°52'39	0♓20	22° 1	3°33	5° 1	22° 6	6°14	14°53	7°39	15° 9	25°57	26°48	15°34	0° 6	T 25
F 26	4 46 1	10°53'44	14°16	23°26	4°47	5°35	22°16	6°12	14°54	7°38	15° 9	25°R58	26°45	15°41	0° 4	F 26
S 27	4 49 57	11°54'50	28°26	24°52	6° 2	6° 9	22°27	6°11	14°55	7°38	15° 8	25°57	26°41	15°48	0° 2	S 27
S 28	4 53 54	12°55'55	12♈51	26°19	7°17	6°44	22°38	6° 9	14°56	7°37	15° 8	25°56	26°38	15°55	29♋59	S 28
M29	4 57 50	13°57'02	27°25	27°47	8°32	7°18	22°48	6° 7	14°56	7°37	15° 7	25°54	26°35	16° 1	29°57	M29
T 30	5 1 47	14♐58'08	12♉ 4	29♏15	9♑46	7♎52	22♎58	6♌ 5	14♍57	7♈37	15♌ 7	25♐53	26♐32	16♎ 8	29♋55	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s34	11n35	4n48	12s54	1n17	21s27	0s30	4n58	1n30	5s50	1n 9	19n21	0n36	6n56	0n45	1n36	1s44	25n40	9n47	23s30	23s32	9s41	13n43	6s35
T 2	16 51	16 33	4 8	12 20	1 33	21 44	0 32	4 44	1 31	5 54	1 9	19 21	0 36	6 55	0 45	1 36	1 44	25 40	9 47	23 30	23 32	9 44	13 42	6 36
W 3	17 8	20 26	3 11	11 50	1 48	21 59	0 35	4 30	1 31	5 59	1 9	19 21	0 36	6 54	0 45	1 36	1 44	25 41	9 48	23 30	23 32	9 46	13 41	6 37
T 4	17 25	22 53	2 2	11 26	2 0	22 15	0 37	4 17	1 31	6 4	1 9	19 21	0 37	6 54	0 45	1 35	1 44	25 41	9 48	23 29	23 31	9 48	13 41	6 37
F 5	17 42	23 45	0 47	11 8	2 10	22 29	0 40	4 3	1 31	6 8	1 9	19 21	0 37	6 53	0 45	1 35	1 44	25 41	9 48	23 29	23 31	9 51	13 40	6 38
S 6	17 58	23 2	0s29	10 56	2 18	22 43	0 42	3 49	1 32	6 13	1 9	19 21	0 37	6 52	0 45	1 34	1 44	25 42	9 49	23 29	23 31	9 53	13 39	6 39
S 7	18 14	20 59	1 42	10 49	2 24	22 56	0 45	3 35	1 32	6 17	1 9	19 21	0 37	6 51	0 45	1 34	1 44	25 42	9 49	23 29	23 31	9 56	13 39	6 39
M 8	18 30	17 51	2 46	10 47	2 28	23 9	0 47	3 21	1 32	6 22	1 9	19 21	0 37	6 51	0 45	1 33	1 44	25 42	9 49	23 29	23 31	9 58	13 38	6 40
T 9	18 45	13 57	3 41	10 51	2 31	23 21	0 49	3 7	1 32	6 26	1 9	19 21	0 37	6 50	0 45	1 33	1 44	25 42	9 50	23 29	23 31	10 1	13 37	6 41
W10	19 0	9 34	4 23	10 58	2 32	23 32	0 52	2 53	1 33	6 30	1 10	19 21	0 38	6 49	0 45	1 33	1 43	25 43	9 50	23 29	23 31	10 3	13 37	6 41
T 11	19 15	4 54	4 53	11 10	2 32	23 42	0 54	2 40	1 33	6 35	1 10	19 21	0 38	6 49	0 46	1 32	1 43	25 43	9 51	23 29	23 31	10 5	13 36	6 42
F 12	19 30	0 8	5 9	11 25	2 31	23 52	0 56	2 26	1 33	6 39	1 10	19 22	0 38	6 48	0 46	1 32	1 43	25 44	9 51	23 29	23 31	10 8	13 36	6 43
S 13	19 44	4s37	5 12	11 43	2 29	24 1	0 58	2 12	1 33	6 43	1 10	19 22	0 38	6 47	0 46	1 32	1 43	25 44	9 51	23 29	23 31	10 10	13 35	6 43
S 14	19 57	9 10	5 2	12 3	2 26	24 9	1 1	1 58	1 33	6 48	1 10	19 22	0 38	6 47	0 46	1 31	1 43	25 44	9 52	23 29	23 31	10 13	13 35	6 44
M15	20 10	13 24	4 39	12 26	2 22	24 17	1 3	1 44	1 34	6 52	1 10	19 22	0 38	6 46	0 46	1 31	1 43	25 45	9 52	23 29	23 31	10 15	13 34	6 44
T 16	20 23	17 9	4 3	12 50	2 18	24 24	1 5	1 31	1 34	6 56	1 10	19 23	0 39	6 46	0 46	1 31	1 43	25 45	9 52	23 29	23 31	10 17	13 34	6 45
W17	20 36	20 13	3 16	13 16	2 13	24 30	1 7	1 17	1 34	7 0	1 10	19 23	0 39	6 45	0 46	1 30	1 43	25 45	9 53	23 29	23 31	10 20	13 34	6 46
T 18	20 48	22 25	2 20	13 43	2 7	24 35	1 9	1 3	1 34	7 4	1 10	19 23	0 39	6 44	0 46	1 30	1 43	25 46	9 53	23 29	23 31	10 22	13 33	6 46
F 19	21 0	23 34	1 16	14 10	2 1	24 40	1 11	0 50	1 35	7 9	1 10	19 24	0 39	6 44	0 46	1 30	1 43	25 46	9 53	23 29	23 31	10 24	13 33	6 47
S 20	21 11	23 33	0 8	14 39	1 55	24 44	1 13	0 36	1 35	7 13	1 11	19 24	0 39	6 43	0 46	1 30	1 43	25 47	9 54	23 29	23 31	10 27	13 33	6 48
S 21	21 22	22 19	1n 2	15 7	1 48	24 47	1 15	0 22	1 35	7 17	1 11	19 24	0 39	6 43	0 46	1 29	1 43	25 47	9 54	23 29	23 30	10 29	13 32	6 48
M22	21 33	19 53	2 10	15 37	1 41	24 49	1 17	0 9	1 35	7 21	1 11	19 25	0 40	6 43	0 46	1 29	1 43	25 48	9 54	23 29	23 30	10 32	13 32	6 49
T 23	21 43	16 24	3 12	16 6	1 34	24 51	1 18	0s 5	1 36	7 25	1 11	19 25	0 40	6 42	0 46	1 29	1 43	25 48	9 55	23 29	23 30	10 34	13 32	6 49
W24	21 52	12 1	4 5	16 35	1 27	24 51	1 20	0 18	1 36	7 29	1 11	19 26	0 40	6 42	0 46	1 29	1 43	25 48	9 55	23 29	23 30	10 36	13 32	6 50
T 25	22 2	6 57	4 45	17 4	1 20	24 52	1 22	0 32	1 36	7 33	1 11	19 26	0 40	6 41	0 46	1 28	1 43	25 49	9 55	23 29	23 30	10 39	13 31	6 51
F 26	22 10	1 27	5 10	17 32	1 13	24 51	1 24	0 45	1 36	7 36	1 11	19 27	0 40	6 41	0 46	1 28	1 43	25 49	9 56	23 29	23 30	10 41	13 31	6 51
S 27	22 19	4n12	5 16	18 1	1 5	24 49	1 25	0 59	1 36	7 40	1 11	19 28	0 40	6 41	0 46	1 28	1 43	25 50	9 56	23 29	23 30	10 43	13 31	6 52
S 28	22 27	9 44	5 3	18 29	0 58	24 47	1 27	1 12	1 37	7 44	1 11	19 28	0 41	6 40	0 46	1 28	1 43	25 50	9 56	23 29	23 30	10 46	13 31	6 52
M29	22 34	14 47	4 30	18 56	0 50	24 44	1 28	1 26	1 37	7 48	1 12	19 29	0 41	6 40	0 46	1 28	1 43	25 51	9 57	23 29	23 30	10 48	13 31	6 53
T 30	22s41	19n 0	3n39	19s23	0n43	24s40	1s30	1s39	1n37	7s51	1n12	19n30	0n41	6n40	0n46	1n28	1s43	25n51	9n57	23s29	23s30	10s50	13n31	6s53

Julian Day Number = 2163314.5, Delta T = 12m59s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'10, Lahiri = 12°51'10 Julian Calendar 1 Nov. 1210 == Greg. Calendar 8 Nov. 1210

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ASTRODIENST EPHEMERIS for the year 1210
geocentric

DECEMBER 1210 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 5 43	15♐59'15	26♉42	0♐43	11♑ 1	8♎26	23♎ 8	6°R 2	14♍58	7°R36	15°R 6	25°R52	26♐29	16♎15	29°R53	W 1
T 2	5 9 40	17° 0'23	11♊12	2°12	12°16	9° 0	23°19	6♌ 0	14°59	7♈36	15♌ 5	25♐51	26°26	16°21	29♋50	T 2
F 3	5 13 37	18° 1'31	25°28	3°42	13°30	9°34	23°29	5°58	14°59	7°35	15° 5	25°D51	26°22	16°28	29°48	F 3
S 4	5 17 33	19° 2'39	9♋25	5°12	14°45	10° 8	23°38	5°55	15° 0	7°35	15° 4	25°51	26°19	16°35	29°45	S 4
S 5	5 21 30	20° 3'48	23° 0	6°42	15°59	10°41	23°48	5°53	15° 0	7°35	15° 3	25°51	26°16	16°42	29°42	S 5
M 6	5 25 26	21° 4'58	6♌12	8°13	17°14	11°15	23°58	5°50	15° 1	7°35	15° 3	25°52	26°13	16°48	29°39	M 6
T 7	5 29 23	22° 6'07	19° 2	9°44	18°29	11°48	24° 8	5°47	15° 1	7°34	15° 2	25°52	26°10	16°55	29°36	T 7
W 8	5 33 19	23° 7'18	1♍32	11°15	19°43	12°22	24°17	5°44	15° 2	7°34	15° 1	25°53	26° 6	17° 2	29°33	W 8
T 9	5 37 16	24° 8'29	13°45	12°47	20°58	12°55	24°26	5°41	15° 2	7°34	15° 0	25°53	26° 3	17° 8	29°30	T 9
F 10	5 41 12	25° 9'40	25°47	14°19	22°12	13°29	24°36	5°38	15° 2	7°34	14°59	25°R53	26° 0	17°15	29°27	F 10
S 11	5 45 9	26°10'51	7♎41	15°51	23°27	14° 2	24°45	5°35	15° 2	7°34	14°59	25°D53	25°57	17°22	29°24	S 11
S 12	5 49 6	27°12'04	19°32	17°24	24°41	14°35	24°54	5°32	15° 2	7°D34	14°58	25°53	25°54	17°29	29°20	S 12
M13	5 53 2	28°13'16	1♏26	18°57	25°56	15° 8	25° 3	5°29	15° 2	7°34	14°57	25°53	25°51	17°35	29°17	M13
T 14	5 56 59	29°14'29	13°25	20°30	27°10	15°41	25°12	5°25	15°R 2	7°34	14°56	25°54	25°47	17°42	29°14	T 14
W15	6 0 55	0♑15'42	25°34	22° 3	28°24	16°14	25°21	5°22	15° 2	7°34	14°55	25°54	25°44	17°49	29°10	W15
T 16	6 4 52	1°16'55	7♐55	23°37	29°39	16°47	25°29	5°18	15° 2	7°34	14°54	25°55	25°41	17°55	29° 7	T 16
F 17	6 8 48	2°18'08	20°31	25°11	0♒53	17°20	25°38	5°15	15° 2	7°34	14°53	25°R55	25°38	18° 2	29° 3	F 17
S 18	6 12 45	3°19'21	3♑22	26°46	2° 8	17°52	25°46	5°11	15° 2	7°35	14°52	25°55	25°35	18° 9	28°59	S 18
S 19	6 16 41	4°20'34	16°29	28°21	3°22	18°25	25°54	5° 7	15° 2	7°35	14°51	25°54	25°32	18°16	28°56	S 19
M20	6 20 38	5°21'47	29°51	29°56	4°36	18°57	26° 2	5° 3	15° 1	7°35	14°50	25°53	25°28	18°22	28°52	M20
T 21	6 24 35	6°22'59	13♒26	1♑32	5°50	19°29	26°10	4°59	15° 1	7°35	14°49	25°52	25°25	18°29	28°48	T 21
W22	6 28 31	7°24'11	27°12	3° 8	7° 5	20° 2	26°18	4°55	15° 0	7°36	14°48	25°51	25°22	18°36	28°44	W22
T 23	6 32 28	8°25'22	11♓ 8	4°45	8°19	20°34	26°26	4°51	15° 0	7°36	14°47	25°49	25°19	18°42	28°40	T 23
F 24	6 36 24	9°26'33	25°11	6°22	9°33	21° 6	26°33	4°47	14°59	7°37	14°45	25°48	25°16	18°49	28°36	F 24
S 25	6 40 21	10°27'43	9♈19	7°59	10°47	21°38	26°41	4°43	14°59	7°37	14°44	25°D48	25°12	18°56	28°32	S 25
S 26	6 44 17	11°28'52	23°30	9°37	12° 1	22° 9	26°48	4°39	14°58	7°37	14°43	25°48	25° 9	19° 3	28°28	S 26
M27	6 48 14	12°30'00	7♉43	11°16	13°15	22°41	26°55	4°34	14°57	7°38	14°42	25°49	25° 6	19° 9	28°24	M27
T 28	6 52 10	13°31'08	21°54	12°54	14°29	23°12	27° 2	4°30	14°57	7°38	14°41	25°50	25° 3	19°16	28°19	T 28
W29	6 56 7	14°32'15	6♊ 1	14°34	15°43	23°44	27° 9	4°26	14°56	7°39	14°39	25°52	25° 0	19°23	28°15	W29
T 30	7 0 4	15°33'21	20° 2	16°14	16°57	24°15	27°16	4°21	14°55	7°40	14°38	25°R52	24°57	19°29	28°11	T 30
F 31	7 4 0	16♑34'27	3♋53	17♑54	18♒11	24♎46	27♎22	4♌17	14♍54	7♈40	14♌37	25♐52	24♐53	19♎36	28♋ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s48	22n 0	2n35	19s49	0n35	24s36	1s31	1s52	1n37	7s55	1n12	19n30	0n41	6n40	0n46	1n28	1s42	25n52	9n57	23s29	23s30	10s53	13n31	6s54
T 2	22 54	23 33	1 20	20 14	0 28	24 30	1 32	2 5	1 37	7 59	1 12	19 31	0 41	6 39	0 46	1 28	1 42	25 52	9 58	23 29	23 30	10 55	13 31	6 55
F 3	23 0	23 30	0 2	20 39	0 21	24 24	1 34	2 18	1 38	8 2	1 12	19 32	0 41	6 39	0 46	1 27	1 42	25 53	9 58	23 29	23 29	10 57	13 31	6 55
S 4	23 5	21 58	1s15	21 3	0 13	24 18	1 35	2 32	1 38	8 6	1 12	19 33	0 42	6 39	0 46	1 27	1 42	25 53	9 58	23 29	23 29	11 0	13 31	6 56
S 5	23 10	19 11	2 25	21 25	0 6	24 10	1 36	2 45	1 38	8 9	1 12	19 33	0 42	6 39	0 47	1 27	1 42	25 54	9 59	23 29	23 29	11 2	13 31	6 56
M 6	23 14	15 29	3 26	21 47	0s 1	24 2	1 37	2 58	1 38	8 13	1 13	19 34	0 42	6 39	0 47	1 27	1 42	25 54	9 59	23 29	23 29	11 4	13 31	6 57
T 7	23 18	11 9	4 14	22 8	0 8	23 53	1 38	3 11	1 38	8 16	1 13	19 35	0 42	6 39	0 47	1 27	1 42	25 55	9 59	23 29	23 29	11 7	13 31	6 57
W 8	23 22	6 28	4 49	22 28	0 15	23 43	1 39	3 24	1 39	8 20	1 13	19 36	0 42	6 38	0 47	1 27	1 42	25 55	10 0	23 29	23 29	11 9	13 31	6 58
T 9	23 25	1 38	5 10	22 47	0 22	23 33	1 40	3 36	1 39	8 23	1 13	19 37	0 42	6 38	0 47	1 27	1 42	25 56	10 0	23 29	23 29	11 11	13 31	6 58
F 10	23 27	3s10	5 17	23 5	0 29	23 21	1 41	3 49	1 39	8 26	1 13	19 38	0 42	6 38	0 47	1 27	1 42	25 56	10 0	23 29	23 29	11 14	13 32	6 58
S 11	23 29	7 49	5 11	23 22	0 35	23 10	1 41	4 2	1 39	8 29	1 13	19 39	0 43	6 38	0 47	1 27	1 42	25 57	10 1	23 29	23 29	11 16	13 32	6 59
S 12	23 31	12 9	4 51	23 38	0 42	22 57	1 42	4 15	1 39	8 33	1 13	19 40	0 43	6 38	0 47	1 27	1 42	25 58	10 1	23 29	23 29	11 18	13 32	6 59
M13	23 32	16 3	4 18	23 52	0 48	22 44	1 43	4 27	1 40	8 36	1 14	19 40	0 43	6 38	0 47	1 27	1 42	25 58	10 1	23 29	23 29	11 21	13 32	7 0
T 14	23 32	19 20	3 35	24 6	0 54	22 30	1 43	4 40	1 40	8 39	1 14	19 41	0 43	6 38	0 47	1 27	1 42	25 59	10 1	23 29	23 28	11 23	13 33	7 0
W15	23 32	21 50	2 41	24 18	1 0	22 15	1 44	4 52	1 40	8 42	1 14	19 42	0 43	6 38	0 47	1 28	1 42	25 59	10 2	23 29	23 28	11 25	13 33	7 1
T 16	23 32	23 20	1 38	24 29	1 5	22 0	1 44	5 5	1 40	8 45	1 14	19 44	0 43	6 38	0 47	1 28	1 42	26 0	10 2	23 29	23 28	11 27	13 33	7 1
F 17	23 31	23 42	0 30	24 38	1 11	21 44	1 44	5 17	1 40	8 48	1 14	19 45	0 44	6 39	0 47	1 28	1 42	26 0	10 2	23 29	23 28	11 30	13 34	7 1
S 18	23 30	22 49	0n41	24 46	1 16	21 28	1 44	5 30	1 40	8 51	1 14	19 46	0 44	6 39	0 47	1 28	1 42	26 1	10 3	23 29	23 28	11 32	13 34	7 2
S 19	23 28	20 40	1 52	24 53	1 21	21 11	1 45	5 42	1 41	8 53	1 15	19 47	0 44	6 39	0 47	1 28	1 42	26 2	10 3	23 29	23 28	11 34	13 34	7 2
M20	23 26	17 23	2 57	24 59	1 26	20 53	1 45	5 54	1 41	8 56	1 15	19 48	0 44	6 39	0 47	1 28	1 41	26 2	10 3	23 29	23 28	11 37	13 35	7 2
T 21	23 23	13 8	3 54	25 3	1 31	20 35	1 45	6 6	1 41	8 59	1 15	19 49	0 44	6 39	0 47	1 28	1 41	26 3	10 3	23 29	23 28	11 39	13 35	7 3
W22	23 20	8 9	4 38	25 5	1 35	20 16	1 44	6 18	1 41	9 2	1 15	19 50	0 44	6 39	0 47	1 29	1 41	26 3	10 4	23 29	23 28	11 41	13 36	7 3
T 23	23 16	2 42	5 6	25 7	1 39	19 56	1 44	6 30	1 41	9 4	1 15	19 51	0 44	6 40	0 47	1 29	1 41	26 4	10 4	23 28	23 27	11 43	13 36	7 3
F 24	23 12	2n55	5 16	25 6	1 43	19 36	1 44	6 42	1 41	9 7	1 16	19 52	0 45	6 40	0 47	1 29	1 41	26 4	10 4	23 28	23 27	11 46	13 37	7 4
S 25	23 8	8 25	5 8	25 5	1 47	19 16	1 44	6 54	1 41	9 9	1 16	19 53	0 45	6 40	0 47	1 29	1 41	26 5	10 4	23 28	23 27	11 48	13 37	7 4
S 26	23 3	13 30	4 40	25 1	1 50	18 55	1 43	7 6	1 42	9 12	1 16	19 55	0 45	6 40	0 47	1 29	1 41	26 6	10 5	23 28	23 27	11 50	13 38	7 4
M27	22 57	17 51	3 56	24 56	1 53	18 33	1 43	7 17	1 42	9 14	1 16	19 56	0 45	6 41	0 47	1 30	1 41	26 6	10 5	23 28	23 27	11 52	13 38	7 4
T 28	22 51	21 10	2 57	24 50	1 56	18 11	1 42	7 29	1 42	9 17	1 16	19 57	0 45	6 41	0 48	1 30	1 41	26 7	10 5	23 29	23 27	11 55	13 39	7 5
W29	22 45	23 10	1 47	24 42	1 58	17 48	1 42	7 40	1 42	9 19	1 16	19 58	0 45	6 42	0 48	1 30	1 41	26 7	10 5	23 29	23 27	11 57	13 39	7 5
T 30	22 38	23 42	0 32	24 32	2 0	17 25	1 41	7 52	1 42	9 21	1 17	19 59	0 45	6 42	0 48	1 30	1 41	26 8	10 6	23 29	23 27	11 59	13 40	7 5
F 31	22s30	22n45	0s44	24s21	2s 2	17s 2	1s40	8s 3	1n42	9s23	1n17	20n 1	0n46	6n42	0n48	1n31	1s41	26n 9	10n 6	23s29	23s27	12s 1	13n41	7s 5

Julian Day Number = 2163344.5, Delta T = 12m59s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'14, Lahiri = 12°51'15 Julian Calendar 1 Dec. 1210 == Greg. Calendar 8 Dec. 1210

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

JANUARY 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 57	17♉35'32	17♋30	19♉35	19♒25	25♎17	27♎29	4°R12	14°R53	7♈41	14°R36	25°R51	24♐50	19♎43	28°R 2	S 1
S 2	7 11 53	18°36'36	0♌53	21°17	20°39	25°48	27°35	4♌ 7	14♍52	7°42	14♌34	25♐49	24°47	19°50	27♋58	S 2
M 3	7 15 50	19°37'39	13°58	22°59	21°52	26°19	27°41	4° 3	14°51	7°42	14°33	25°45	24°44	19°56	27°54	M 3
T 4	7 19 46	20°38'42	26°45	24°42	23° 6	26°50	27°47	3°58	14°50	7°43	14°32	25°41	24°41	20° 3	27°49	T 4
W 5	7 23 43	21°39'44	9♍15	26°25	24°20	27°20	27°53	3°53	14°48	7°44	14°30	25°37	24°38	20°10	27°45	W 5
T 6	7 27 40	22°40'45	21°30	28° 8	25°33	27°51	27°59	3°49	14°47	7°45	14°29	25°33	24°34	20°16	27°41	T 6
F 7	7 31 36	23°41'46	3♎34	29°53	26°47	28°21	28° 4	3°44	14°46	7°46	14°28	25°30	24°31	20°23	27°36	F 7
S 8	7 35 33	24°42'46	15°29	1♒37	28° 0	28°51	28°10	3°39	14°45	7°47	14°26	25°28	24°28	20°30	27°32	S 8
S 9	7 39 29	25°43'45	27°20	3°22	29°14	29°21	28°15	3°34	14°43	7°48	14°25	25°D27	24°25	20°37	27°27	S 9
M10	7 43 26	26°44'44	9♏13	5° 7	0♓27	29°51	28°20	3°29	14°42	7°49	14°24	25°28	24°22	20°43	27°23	M10
T 11	7 47 22	27°45'42	21°12	6°52	1°40	0♏20	28°25	3°25	14°40	7°50	14°22	25°30	24°18	20°50	27°18	T 11
W12	7 51 19	28°46'39	3♐22	8°37	2°54	0°50	28°29	3°20	14°39	7°51	14°21	25°32	24°15	20°57	27°14	W12
T 13	7 55 15	29°47'36	15°48	10°23	4° 7	1°19	28°34	3°15	14°37	7°52	14°19	25°33	24°12	21° 3	27° 9	T 13
F 14	7 59 12	0♒48'32	28°32	12° 8	5°20	1°48	28°38	3°10	14°36	7°53	14°18	25°R33	24° 9	21°10	27° 5	F 14
S 15	8 3 9	1°49'26	11♑38	13°52	6°33	2°17	28°43	3° 5	14°34	7°54	14°17	25°32	24° 6	21°17	27° 1	S 15
S 16	8 7 5	2°50'20	25° 5	15°36	7°46	2°46	28°47	3° 0	14°32	7°55	14°15	25°29	24° 3	21°24	26°56	S 16
M17	8 11 2	3°51'12	8♒52	17°19	8°59	3°15	28°50	2°55	14°31	7°56	14°14	25°24	23°59	21°30	26°52	M17
T 18	8 14 58	4°52'03	22°56	19° 1	10°12	3°43	28°54	2°50	14°29	7°57	14°12	25°18	23°56	21°37	26°47	T 18
W19	8 18 55	5°52'53	7♓12	20°41	11°25	4°11	28°58	2°45	14°27	7°59	14°11	25°11	23°53	21°44	26°43	W19
T 20	8 22 51	6°53'41	21°35	22°19	12°38	4°39	29° 1	2°41	14°25	8° 0	14° 9	25° 5	23°50	21°50	26°39	T 20
F 21	8 26 48	7°54'28	5♈59	23°55	13°50	5° 7	29° 4	2°36	14°23	8° 1	14° 8	25° 0	23°47	21°57	26°34	F 21
S 22	8 30 44	8°55'13	20°19	25°28	15° 3	5°35	29° 7	2°31	14°21	8° 3	14° 6	24°56	23°44	22° 4	26°30	S 22
S 23	8 34 41	9°55'56	4♉32	26°57	16°16	6° 2	29°10	2°26	14°19	8° 4	14° 5	24°D54	23°40	22°10	26°26	S 23
M24	8 38 38	10°56'38	18°36	28°22	17°28	6°29	29°12	2°21	14°17	8° 5	14° 3	24°55	23°37	22°17	26°21	M24
T 25	8 42 34	11°57'18	2♊30	29°42	18°41	6°56	29°15	2°16	14°15	8° 7	14° 2	24°56	23°34	22°24	26°17	T 25
W26	8 46 31	12°57'56	16°14	0♓56	19°53	7°23	29°17	2°12	14°13	8° 8	14° 0	24°57	23°31	22°31	26°13	W26
T 27	8 50 27	13°58'33	29°48	2° 5	21° 5	7°50	29°19	2° 7	14°11	8°10	13°59	24°R57	23°28	22°37	26° 9	T 27
F 28	8 54 24	14°59'08	13♋12	3° 6	22°17	8°16	29°21	2° 2	14° 9	8°11	13°58	24°55	23°24	22°44	26° 5	F 28
S 29	8 58 20	15°59'41	26°24	4° 0	23°29	8°42	29°23	1°57	14° 7	8°13	13°56	24°51	23°21	22°51	26° 1	S 29
S 30	9 2 17	17° 0'12	9♌25	4°45	24°41	9° 8	29°24	1°53	14° 5	8°14	13°55	24°45	23°18	22°57	25°56	S 30
M31	9 6 13	18♒ 0'42	22♌15	5♓21	25♓53	9♏34	29♎26	1♌48	14♍ 2	8♈16	13♌53	24♐36	23♐15	23♎ 4	25♋52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s23	20n28	1s56	24s 8	2s 3	16s38	1s39	8s14	1n42	9s25	1n17	20n 2	0n46	6n43	0n48	1n31	1s41	26n 9	10n 6	23s29	23s26	12s 4	13n41	7s 5	S 1
S 2	22 15	17 6	3 1	23 53	2 4	16 13	1 38	8 25	1 42	9 27	1 17	20 3	0 46	6 43	0 48	1 31	1 41	26 10	10 6	23 28	23 26	12 6	13 42	7 6	S 2
M 3	22 6	12 58	3 54	23 37	2 4	15 48	1 37	8 36	1 43	9 29	1 17	20 4	0 46	6 44	0 48	1 32	1 41	26 10	10 6	23 28	23 26	12 8	13 43	7 6	M 3
T 4	21 57	8 21	4 35	23 19	2 5	15 23	1 36	8 47	1 43	9 31	1 18	20 5	0 46	6 44	0 48	1 32	1 41	26 11	10 7	23 28	23 26	12 10	13 43	7 6	T 4
W 5	21 47	3 29	5 1	22 59	2 4	14 57	1 35	8 58	1 43	9 33	1 18	20 7	0 46	6 45	0 48	1 32	1 41	26 12	10 7	23 28	23 26	12 12	13 44	7 6	W 5
T 6	21 37	1s24	5 13	22 38	2 3	14 31	1 33	9 9	1 43	9 35	1 18	20 8	0 46	6 45	0 48	1 33	1 41	26 12	10 7	23 28	23 26	12 15	13 45	7 6	T 6
F 7	21 27	6 10	5 10	22 15	2 2	14 5	1 32	9 20	1 43	9 37	1 18	20 9	0 46	6 46	0 48	1 33	1 41	26 13	10 7	23 28	23 26	12 17	13 46	7 6	F 7
S 8	21 16	10 38	4 55	21 50	2 0	13 38	1 30	9 30	1 43	9 39	1 18	20 10	0 47	6 46	0 48	1 34	1 40	26 13	10 7	23 28	23 26	12 19	13 46	7 6	S 8
S 9	21 5	14 42	4 26	21 23	1 57	13 11	1 29	9 41	1 43	9 40	1 19	20 12	0 47	6 47	0 48	1 34	1 40	26 14	10 8	23 28	23 25	12 21	13 47	7 6	S 9
M10	20 54	18 12	3 47	20 55	1 54	12 43	1 27	9 51	1 43	9 42	1 19	20 13	0 47	6 47	0 48	1 35	1 40	26 15	10 8	23 28	23 25	12 23	13 48	7 6	M10
T 11	20 42	20 59	2 57	20 25	1 51	12 15	1 26	10 2	1 43	9 44	1 19	20 14	0 47	6 48	0 48	1 35	1 40	26 15	10 8	23 28	23 25	12 26	13 49	7 6	T 11
W12	20 30	22 51	1 58	19 54	1 47	11 47	1 24	10 12	1 43	9 45	1 19	20 15	0 47	6 49	0 48	1 35	1 40	26 16	10 8	23 28	23 25	12 28	13 50	7 6	W12
T 13	20 17	23 40	0 53	19 21	1 42	11 19	1 22	10 22	1 43	9 46	1 19	20 17	0 47	6 49	0 48	1 36	1 40	26 16	10 8	23 28	23 25	12 30	13 50	7 6	T 13
F 14	20 4	23 16	0n16	18 46	1 36	10 50	1 20	10 32	1 43	9 48	1 20	20 18	0 47	6 50	0 48	1 36	1 40	26 17	10 8	23 28	23 25	12 32	13 51	7 6	F 14
S 15	19 50	21 36	1 27	18 10	1 30	10 21	1 18	10 42	1 43	9 49	1 20	20 19	0 47	6 50	0 48	1 37	1 40	26 17	10 9	23 28	23 25	12 34	13 52	7 6	S 15
S 16	19 36	18 41	2 34	17 33	1 23	9 52	1 16	10 52	1 43	9 50	1 20	20 20	0 47	6 51	0 48	1 37	1 40	26 18	10 9	23 28	23 24	12 37	13 53	7 6	S 16
M17	19 22	14 41	3 34	16 54	1 15	9 22	1 14	11 2	1 43	9 51	1 20	20 22	0 48	6 52	0 48	1 38	1 40	26 19	10 9	23 28	23 24	12 39	13 54	7 6	M17
T 18	19 8	9 48	4 22	16 15	1 7	8 52	1 11	11 11	1 43	9 53	1 21	20 23	0 48	6 53	0 48	1 38	1 40	26 19	10 9	23 27	23 24	12 41	13 55	7 6	T 18
W19	18 53	4 21	4 54	15 34	0 57	8 23	1 9	11 21	1 43	9 54	1 21	20 24	0 48	6 53	0 48	1 39	1 40	26 20	10 9	23 27	23 24	12 43	13 56	7 6	W19
T 20	18 38	1n22	5 9	14 53	0 47	7 52	1 7	11 30	1 43	9 55	1 21	20 25	0 48	6 54	0 48	1 39	1 40	26 20	10 9	23 27	23 24	12 45	13 57	7 6	T 20
F 21	18 22	7 1	5 4	14 11	0 37	7 22	1 4	11 40	1 43	9 55	1 21	20 27	0 48	6 55	0 48	1 40	1 40	26 21	10 9	23 27	23 24	12 47	13 58	7 6	F 21
S 22	18 6	12 17	4 40	13 29	0 25	6 52	1 2	11 49	1 43	9 56	1 21	20 28	0 48	6 56	0 48	1 41	1 40	26 21	10 9	23 27	23 24	12 50	13 58	7 6	S 22
S 23	17 50	16 50	3 59	12 47	0 13	6 21	0 59	11 58	1 43	9 57	1 22	20 29	0 48	6 56	0 48	1 41	1 40	26 22	10 10	23 27	23 23	12 52	13 59	7 6	S 23
M24	17 34	20 22	3 3	12 5	0n 0	5 50	0 56	12 7	1 43	9 58	1 22	20 30	0 48	6 57	0 48	1 42	1 40	26 23	10 10	23 27	23 23	12 54	14 0	7 5	M24
T 25	17 17	22 41	1 58	11 25	0 14	5 19	0 53	12 16	1 43	9 58	1 22	20 31	0 48	6 58	0 48	1 42	1 40	26 23	10 10	23 27	23 23	12 56	14 1	7 5	T 25
W26	17 0	23 36	0 47	10 45	0 28	4 48	0 51	12 24	1 43	9 59	1 22	20 32	0 48	6 59	0 48	1 43	1 40	26 24	10 10	23 27	23 23	12 58	14 2	7 5	W26
T 27	16 42	23 6	0s26	10 6	0 43	4 17	0 48	12 33	1 43	10 0	1 22	20 34	0 48	7 0	0 49	1 44	1 40	26 24	10 10	23 27	23 23	13 0	14 3	7 5	T 27
F 28	16 25	21 17	1 37	9 30	0 59	3 45	0 45	12 42	1 43	10 0	1 23	20 35	0 49	7 1	0 49	1 44	1 40	26 25	10 10	23 27	23 23	13 2	14 4	7 5	F 28
S 29	16 7	18 20	2 41	8 56	1 14	3 14	0 42	12 50	1 43	10 0	1 23	20 36	0 49	7 1	0 49	1 45	1 39	26 25	10 10	23 26	23 22	13 5	14 5	7 4	S 29
S 30	15 48	14 30	3 35	8 25	1 30	2 43	0 39	12 59	1 43	10 1	1 23	20 37	0 49	7 2	0 49	1 46	1 39	26 26	10 10	23 26	23 22	13 7	14 6	7 4	S 30
M31	15s30	10n 5	4s18	7s57	1n46	2s11	0s35	13s 7	1n43	10s 1	1n23	20n38	0n49	7n 3	0n49	1n46	1s39	26n26	10n10	23s26	23s22	13s 9	14n 7	7s 4	M31

Julian Day Number = 2163375.5, Delta T = 12m59s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'18, Lahiri = 12°51'19 Julian Calendar 1 Jan. 1211 == Greg. Calendar 8 Jan. 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

FEBRUARY 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 10	19♒ 1'10	4♍51	5♓48	27♓ 5	9♏59	29♎27	1°R44	14°R 0	8♈18	13°R52	24°R26	23♐12	23♎11	25°R49	T 1
W 2	9 14 7	20° 1'36	17°14	6° 5	28°17	10°25	29°28	1♌39	13♍58	8°19	13♌50	24♐15	23° 9	23°18	25♋45	W 2
T 3	9 18 3	21° 2'01	29°26	6°R12	29°28	10°50	29°28	1°35	13°55	8°21	13°49	24° 5	23° 5	23°24	25°41	T 3
F 4	9 22 0	22° 2'25	11♎28	6° 9	0♈40	11°14	29°29	1°30	13°53	8°22	13°47	23°56	23° 2	23°31	25°37	F 4
S 5	9 25 56	23° 2'47	23°22	5°57	1°51	11°39	29°29	1°26	13°51	8°24	13°46	23°49	22°59	23°38	25°33	S 5
S 6	9 29 53	24° 3'07	5♏12	5°34	3° 2	12° 3	29°30	1°21	13°48	8°26	13°44	23°45	22°56	23°44	25°30	S 6
M 7	9 33 49	25° 3'26	17° 3	5° 3	4°13	12°27	29°R30	1°17	13°46	8°28	13°43	23°43	22°53	23°51	25°26	M 7
T 8	9 37 46	26° 3'44	29° 0	4°23	5°24	12°50	29°29	1°13	13°44	8°29	13°41	23°D42	22°50	23°58	25°22	T 8
W 9	9 41 42	27° 4'00	11♐ 8	3°36	6°35	13°14	29°29	1° 9	13°41	8°31	13°40	23°43	22°46	24° 4	25°19	W 9
T 10	9 45 39	28° 4'14	23°33	2°43	7°46	13°37	29°28	1° 5	13°39	8°33	13°39	23°R43	22°43	24°11	25°15	T 10
F 11	9 49 36	29° 4'27	6♑18	1°46	8°57	13°59	29°28	1° 1	13°36	8°35	13°37	23°43	22°40	24°18	25°12	F 11
S 12	9 53 32	0♓ 4'38	19°29	0°45	10° 8	14°22	29°27	0°57	13°34	8°37	13°36	23°40	22°37	24°25	25° 9	S 12
S 13	9 57 29	1° 4'48	3♒ 6	29♒43	11°18	14°44	29°26	0°53	13°31	8°39	13°34	23°34	22°34	24°31	25° 6	S 13
M14	10 1 25	2° 4'56	17° 9	28°40	12°28	15° 5	29°24	0°49	13°29	8°40	13°33	23°26	22°30	24°38	25° 2	M14
T 15	10 5 22	3° 5'02	1♓35	27°39	13°39	15°27	29°23	0°45	13°26	8°42	13°32	23°16	22°27	24°45	24°59	T 15
W16	10 9 18	4° 5'06	16°18	26°41	14°49	15°48	29°21	0°41	13°23	8°44	13°30	23° 5	22°24	24°51	24°56	W16
T 17	10 13 15	5° 5'08	1♈ 9	25°46	15°59	16° 8	29°19	0°38	13°21	8°46	13°29	22°55	22°21	24°58	24°53	T 17
F 18	10 17 11	6° 5'08	15°59	24°56	17° 9	16°29	29°17	0°34	13°18	8°48	13°27	22°45	22°18	25° 5	24°51	F 18
S 19	10 21 8	7° 5'06	0♉41	24°11	18°18	16°49	29°15	0°31	13°16	8°50	13°26	22°38	22°15	25°11	24°48	S 19
S 20	10 25 4	8° 5'02	15° 9	23°33	19°28	17° 8	29°12	0°27	13°13	8°52	13°25	22°34	22°11	25°18	24°45	S 20
M21	10 29 1	9° 4'55	29°19	23° 0	20°37	17°27	29°10	0°24	13°11	8°54	13°23	22°32	22° 8	25°25	24°43	M21
T 22	10 32 58	10° 4'46	13♊11	22°34	21°47	17°46	29° 7	0°21	13° 8	8°56	13°22	22°D32	22° 5	25°32	24°40	T 22
W23	10 36 54	11° 4'35	26°45	22°14	22°56	18° 4	29° 4	0°18	13° 5	8°58	13°21	22°R32	22° 2	25°38	24°38	W23
T 24	10 40 51	12° 4'22	10♋ 3	22° 1	24° 5	18°22	29° 1	0°15	13° 3	9° 0	13°20	22°31	21°59	25°45	24°35	T 24
F 25	10 44 47	13° 4'06	23° 7	21°54	25°14	18°40	28°58	0°12	13° 0	9° 2	13°18	22°28	21°55	25°52	24°33	F 25
S 26	10 48 44	14° 3'48	5♌59	21°D54	26°22	18°57	28°54	0° 9	12°58	9° 4	13°17	22°22	21°52	25°58	24°31	S 26
S 27	10 52 40	15° 3'28	18°40	21°59	27°31	19°14	28°50	0° 6	12°55	9° 7	13°16	22°13	21°49	26° 5	24°29	S 27
M28	10 56 37	16♓ 3'06	1♍10	22♒10	28♈39	19♏30	28♎47	0♌ 4	12♍52	9♈ 9	13♌15	22♐ 2	21♐46	26♎12	24♋27	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s11	5n19	4s47	7s32	2n 2	1s39	0s32	13s15	1n43	10s 1	1n24	20n39	0n49	7n 4	0n49	1n47	1s39	26n27	10n10	23s25	23s22	13s11	14n 8	7s 4	T 1
W 2	14 52	0 25	5 2	7 11	2 17	1 8	0 29	13 23	1 43	10 1	1 24	20 40	0 49	7 5	0 49	1 48	1 39	26 27	10 10	23 25	23 22	13 13	14 9	7 3	W 2
T 3	14 33	4s25	5 3	6 55	2 32	0 36	0 26	13 31	1 43	10 1	1 24	20 41	0 49	7 6	0 49	1 48	1 39	26 28	10 10	23 25	23 22	13 15	14 10	7 3	T 3
F 4	14 13	9 0	4 51	6 43	2 47	0 5	0 22	13 39	1 42	10 1	1 24	20 42	0 49	7 7	0 49	1 49	1 39	26 28	10 10	23 24	23 21	13 17	14 11	7 3	F 4
S 5	13 54	13 13	4 26	6 35	3 0	0n27	0 19	13 46	1 42	10 1	1 24	20 44	0 49	7 8	0 49	1 50	1 39	26 29	10 10	23 24	23 21	13 19	14 12	7 2	S 5
S 6	13 34	16 54	3 49	6 32	3 12	0 59	0 15	13 54	1 42	10 1	1 25	20 45	0 49	7 9	0 49	1 50	1 39	26 29	10 10	23 24	23 21	13 21	14 13	7 2	S 6
M 7	13 13	19 55	3 3	6 34	3 22	1 30	0 12	14 1	1 42	10 1	1 25	20 46	0 49	7 10	0 49	1 51	1 39	26 30	10 10	23 23	23 21	13 23	14 14	7 2	M 7
T 8	12 53	22 6	2 8	6 40	3 31	2 2	0 8	14 9	1 42	10 1	1 25	20 47	0 49	7 11	0 49	1 52	1 39	26 30	10 10	23 23	23 21	13 26	14 15	7 1	T 8
W 9	12 32	23 18	1 7	6 51	3 38	2 34	0 4	14 16	1 41	10 0	1 25	20 48	0 49	7 12	0 49	1 53	1 39	26 30	10 10	23 23	23 21	13 28	14 16	7 1	W 9
T 10	12 12	23 24	0 1	7 5	3 42	3 5	0 1	14 23	1 41	10 0	1 26	20 48	0 49	7 12	0 49	1 53	1 39	26 31	10 10	23 24	23 20	13 30	14 17	7 0	T 10
F 11	11 51	22 17	1n 7	7 23	3 45	3 37	0n 3	14 30	1 41	10 0	1 26	20 49	0 50	7 13	0 49	1 54	1 39	26 31	10 10	23 23	23 20	13 32	14 18	7 0	F 11
S 12	11 30	19 56	2 13	7 44	3 46	4 8	0 7	14 37	1 41	9 59	1 26	20 50	0 50	7 14	0 49	1 55	1 39	26 32	10 10	23 23	23 20	13 34	14 19	7 0	S 12
S 13	11 8	16 25	3 13	8 8	3 44	4 39	0 11	14 43	1 41	9 58	1 26	20 51	0 50	7 15	0 49	1 56	1 39	26 32	10 10	23 23	23 20	13 36	14 20	6 59	S 13
M14	10 47	11 53	4 4	8 33	3 40	5 10	0 15	14 50	1 40	9 58	1 26	20 52	0 50	7 16	0 49	1 56	1 39	26 33	10 10	23 23	23 20	13 38	14 21	6 59	M14
T 15	10 25	6 35	4 41	8 59	3 34	5 41	0 18	14 57	1 40	9 57	1 27	20 53	0 50	7 17	0 49	1 57	1 39	26 33	10 10	23 22	23 20	13 40	14 22	6 58	T 15
W16	10 3	0 50	5 0	9 26	3 27	6 12	0 22	15 3	1 40	9 56	1 27	20 54	0 50	7 18	0 49	1 58	1 39	26 33	10 10	23 22	23 19	13 42	14 23	6 58	W16
T 17	9 41	5n 1	4 59	9 53	3 18	6 43	0 26	15 9	1 39	9 55	1 27	20 55	0 50	7 19	0 49	1 59	1 39	26 34	10 10	23 21	23 19	13 44	14 24	6 57	T 17
F 18	9 19	10 35	4 38	10 20	3 7	7 14	0 30	15 15	1 39	9 54	1 27	20 56	0 50	7 20	0 49	1 59	1 39	26 34	10 10	23 21	23 19	13 46	14 25	6 57	F 18
S 19	8 57	15 29	3 58	10 45	2 55	7 44	0 34	15 21	1 39	9 53	1 27	20 56	0 50	7 21	0 49	2 0	1 39	26 34	10 10	23 20	23 19	13 48	14 26	6 56	S 19
S 20	8 34	19 23	3 4	11 10	2 43	8 15	0 39	15 27	1 38	9 52	1 28	20 57	0 50	7 22	0 49	2 1	1 39	26 35	10 10	23 20	23 19	13 50	14 27	6 56	S 20
M21	8 12	22 2	2 0	11 33	2 29	8 45	0 43	15 33	1 38	9 51	1 28	20 58	0 50	7 23	0 49	2 2	1 39	26 35	10 10	23 20	23 18	13 52	14 28	6 55	M21
T 22	7 49	23 18	0 49	11 55	2 16	9 15	0 47	15 39	1 37	9 50	1 28	20 59	0 50	7 24	0 49	2 3	1 39	26 36	10 10	23 20	23 18	13 54	14 28	6 55	T 22
W23	7 27	23 8	0s22	12 15	2 1	9 44	0 51	15 44	1 37	9 49	1 28	20 59	0 50	7 25	0 49	2 4	1 39	26 36	10 10	23 20	23 18	13 56	14 29	6 54	W23
T 24	7 4	21 39	1 31	12 33	1 47	10 14	0 55	15 50	1 36	9 48	1 28	21 0	0 50	7 26	0 49	2 4	1 39	26 36	10 10	23 20	23 18	13 58	14 30	6 54	T 24
F 25	6 41	19 1	2 34	12 48	1 33	10 43	0 59	15 55	1 36	9 46	1 29	21 1	0 50	7 27	0 49	2 5	1 39	26 36	10 10	23 20	23 18	14 0	14 31	6 53	F 25
S 26	6 18	15 30	3 28	13 2	1 18	11 12	1 3	16 0	1 35	9 45	1 29	21 1	0 50	7 28	0 49	2 6	1 39	26 37	10 10	23 19	23 17	14 2	14 32	6 53	S 26
S 27	5 55	11 19	4 11	13 14	1 4	11 41	1 8	16 5	1 35	9 43	1 29	21 2	0 50	7 29	0 49	2 7	1 39	26 37	10 10	23 19	23 17	14 4	14 33	6 52	S 27
M28	5s31	6n44	4s40	13s24	0n50	12n 9	1n12	16s10	1n34	9s42	1n29	21n 2	0n50	7n30	0n49	2n 8	1s39	26n37	10n10	23s18	23s17	14s 6	14n34	6s52	M28

Julian Day Number = 2163406.5, Delta T = 12m59s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'23, Lahiri = 12°51'23 Julian Calendar 1 Feb. 1211 == Greg. Calendar 8 Feb. 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

MARCH 1211 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 0 33	17♓ 2'41	13♍32	22♒26	29♈47	19♏46	28°R43	0°R 1	12°R50	9♈11	13°R13	21°R48	21♐43	26♎18	24°R25	T 1
W 2	11 4 30	18° 2'14	25°44	22°48	0♉55	20° 1	28♎38	29♋59	12♍47	9°13	13♌12	21♐34	21°40	26°25	24♋23	W 2
T 3	11 8 27	19° 1'46	7♎49	23°14	2° 3	20°16	28°34	29°56	12°45	9°15	13°11	21°20	21°36	26°32	24°22	T 3
F 4	11 12 23	20° 1'15	19°46	23°45	3°10	20°30	28°30	29°54	12°42	9°17	13°10	21° 8	21°33	26°39	24°20	F 4
S 5	11 16 20	21° 0'43	1♏37	24°21	4°18	20°44	28°25	29°52	12°39	9°19	13° 9	20°58	21°30	26°45	24°18	S 5
S 6	11 20 16	22° 0'08	13°27	25° 0	5°25	20°57	28°20	29°50	12°37	9°22	13° 8	20°51	21°27	26°52	24°17	S 6
M 7	11 24 13	22°59'32	25°17	25°43	6°32	21°10	28°15	29°48	12°34	9°24	13° 7	20°46	21°24	26°59	24°16	M 7
T 8	11 28 9	23°58'54	7♐12	26°30	7°39	21°22	28°10	29°46	12°32	9°26	13° 6	20°45	21°21	27° 5	24°14	T 8
W 9	11 32 6	24°58'14	19°18	27°20	8°45	21°34	28° 5	29°44	12°29	9°28	13° 5	20°44	21°17	27°12	24°13	W 9
T 10	11 36 2	25°57'32	1♑39	28°14	9°52	21°45	27°59	29°42	12°27	9°30	13° 4	20°44	21°14	27°19	24°12	T 10
F 11	11 39 59	26°56'49	14°21	29°10	10°58	21°56	27°54	29°41	12°24	9°33	13° 3	20°43	21°11	27°25	24°11	F 11
S 12	11 43 56	27°56'03	27°29	0♓ 9	12° 4	22° 6	27°48	29°39	12°22	9°35	13° 2	20°41	21° 8	27°32	24°11	S 12
S 13	11 47 52	28°55'16	11♒ 5	1°11	13° 9	22°15	27°42	29°38	12°19	9°37	13° 1	20°35	21° 5	27°39	24°10	S 13
M14	11 51 49	29°54'27	25°11	2°16	14°15	22°24	27°37	29°37	12°17	9°39	13° 0	20°28	21° 1	27°46	24° 9	M14
T 15	11 55 45	0♈53'36	9♓45	3°23	15°20	22°32	27°30	29°36	12°14	9°42	12°59	20°18	20°58	27°52	24° 9	T 15
W16	11 59 42	1°52'43	24°40	4°32	16°25	22°40	27°24	29°35	12°12	9°44	12°58	20° 7	20°55	27°59	24° 8	W16
T 17	12 3 38	2°51'48	9♈48	5°44	17°30	22°47	27°18	29°34	12° 9	9°46	12°57	19°56	20°52	28° 6	24° 8	T 17
F 18	12 7 35	3°50'51	25° 0	6°58	18°34	22°53	27°12	29°33	12° 7	9°48	12°56	19°46	20°49	28°12	24° 8	F 18
S 19	12 11 31	4°49'52	10♉ 3	8°13	19°38	22°59	27° 5	29°32	12° 5	9°51	12°55	19°39	20°46	28°19	24° 8	S 19
S 20	12 15 28	5°48'50	24°50	9°31	20°42	23° 3	26°58	29°32	12° 2	9°53	12°55	19°34	20°42	28°26	24°D 8	S 20
M21	12 19 24	6°47'46	9♊15	10°51	21°46	23° 8	26°52	29°31	12° 0	9°55	12°54	19°32	20°39	28°32	24° 8	M21
T 22	12 23 21	7°46'40	23°16	12°12	22°49	23°11	26°45	29°31	11°58	9°57	12°53	19°D32	20°36	28°39	24° 8	T 22
W23	12 27 18	8°45'32	6♋53	13°36	23°52	23°14	26°38	29°30	11°56	10° 0	12°52	19°R32	20°33	28°46	24° 8	W23
T 24	12 31 14	9°44'21	20° 8	15° 1	24°55	23°16	26°31	29°30	11°53	10° 2	12°52	19°32	20°30	28°52	24° 9	T 24
F 25	12 35 11	10°43'08	3♌ 4	16°28	25°57	23°18	26°24	29°D30	11°51	10° 4	12°51	19°30	20°27	28°59	24° 9	F 25
S 26	12 39 7	11°41'53	15°44	17°57	26°59	23°19	26°17	29°30	11°49	10° 6	12°50	19°25	20°23	29° 6	24°10	S 26
S 27	12 43 4	12°40'35	28°11	19°27	28° 1	23°R19	26°10	29°30	11°47	10° 9	12°50	19°18	20°20	29°13	24°10	S 27
M28	12 47 0	13°39'15	10♍28	20°59	29° 2	23°18	26° 2	29°31	11°45	10°11	12°49	19° 8	20°17	29°19	24°11	M28
T 29	12 50 57	14°37'53	22°37	22°33	0♊ 3	23°16	25°55	29°31	11°43	10°13	12°49	18°57	20°14	29°26	24°12	T 29
W30	12 54 53	15°36'29	4♎38	24° 9	1° 4	23°14	25°48	29°32	11°41	10°15	12°48	18°45	20°11	29°33	24°13	W30
T 31	12 58 50	16♈35'02	16♎35	25♓46	2♊ 4	23♏11	25♎40	29♋32	11♍39	10♈18	12♌47	18♐33	20♐ 7	29♎39	24♋14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 8	1n56	4s57	13s31	0n36	12n38	1n16	16s15	1n34	9s40	1n29	21n 3	0n50	7n31	0n49	2n 9	1s39	26n38	10n10	23s17	23s17	14s 8	14n35	6s51
W 2	4 45	2s52	4 59	13 37	0 23	13 6	1 20	16 19	1 33	9 39	1 29	21 4	0 50	7 32	0 49	2 9	1 39	26 38	10 9	23 16	23 17	14 10	14 36	6 50
T 3	4 22	7 31	4 48	13 40	0 10	13 33	1 24	16 24	1 33	9 37	1 30	21 4	0 50	7 33	0 49	2 10	1 39	26 38	10 9	23 15	23 16	14 12	14 37	6 50
F 4	3 58	11 49	4 24	13 42	0s 2	14 1	1 29	16 28	1 32	9 35	1 30	21 5	0 50	7 34	0 49	2 11	1 39	26 38	10 9	23 15	23 16	14 14	14 37	6 49
S 5	3 35	15 39	3 48	13 41	0 14	14 28	1 33	16 33	1 31	9 33	1 30	21 5	0 50	7 35	0 49	2 12	1 39	26 39	10 9	23 14	23 16	14 16	14 38	6 49
S 6	3 11	18 51	3 3	13 39	0 26	14 54	1 37	16 37	1 30	9 32	1 30	21 6	0 50	7 36	0 49	2 13	1 39	26 39	10 9	23 13	23 16	14 18	14 39	6 48
M 7	2 48	21 16	2 10	13 35	0 37	15 21	1 41	16 41	1 30	9 30	1 30	21 6	0 50	7 37	0 49	2 14	1 38	26 39	10 9	23 13	23 16	14 20	14 40	6 48
T 8	2 24	22 46	1 11	13 29	0 48	15 47	1 45	16 45	1 29	9 28	1 30	21 6	0 50	7 38	0 49	2 15	1 38	26 39	10 9	23 13	23 15	14 22	14 41	6 47
W 9	2 0	23 14	0 8	13 21	0 58	16 12	1 50	16 49	1 28	9 26	1 30	21 7	0 50	7 39	0 49	2 16	1 38	26 39	10 9	23 13	23 15	14 24	14 41	6 46
T 10	1 37	22 34	0n57	13 12	1 7	16 38	1 54	16 53	1 27	9 24	1 31	21 7	0 50	7 40	0 49	2 16	1 38	26 40	10 9	23 13	23 15	14 26	14 42	6 46
F 11	1 13	20 45	2 2	13 0	1 16	17 3	1 58	16 56	1 26	9 22	1 31	21 8	0 50	7 41	0 49	2 17	1 38	26 40	10 8	23 13	23 15	14 28	14 43	6 45
S 12	0 49	17 47	3 1	12 47	1 25	17 27	2 2	17 0	1 26	9 19	1 31	21 8	0 50	7 42	0 49	2 18	1 38	26 40	10 8	23 13	23 15	14 30	14 44	6 44
S 13	0 26	13 47	3 53	12 33	1 33	17 51	2 6	17 3	1 25	9 17	1 31	21 8	0 50	7 43	0 49	2 19	1 38	26 40	10 8	23 12	23 14	14 32	14 45	6 44
M14	0 2	8 54	4 33	12 17	1 41	18 15	2 10	17 6	1 24	9 15	1 31	21 8	0 51	7 44	0 49	2 20	1 38	26 40	10 8	23 12	23 14	14 34	14 45	6 43
T 15	0n21	3 23	4 56	11 59	1 48	18 38	2 14	17 9	1 23	9 13	1 31	21 9	0 51	7 45	0 49	2 21	1 38	26 40	10 8	23 11	23 14	14 36	14 46	6 43
W16	0 45	2n28	5 0	11 39	1 54	19 1	2 18	17 12	1 22	9 10	1 31	21 9	0 51	7 46	0 49	2 22	1 38	26 41	10 8	23 10	23 14	14 38	14 47	6 42
T 17	1 9	8 14	4 43	11 18	2 0	19 24	2 22	17 15	1 21	9 8	1 31	21 9	0 51	7 47	0 49	2 23	1 38	26 41	10 8	23 9	23 14	14 40	14 47	6 41
F 18	1 32	13 32	4 7	10 56	2 6	19 46	2 26	17 17	1 19	9 6	1 31	21 9	0 51	7 48	0 49	2 24	1 38	26 41	10 7	23 9	23 13	14 42	14 48	6 41
S 19	1 56	17 56	3 13	10 32	2 10	20 7	2 30	17 20	1 18	9 3	1 32	21 10	0 51	7 49	0 49	2 24	1 38	26 41	10 7	23 8	23 13	14 44	14 49	6 40
S 20	2 19	21 6	2 7	10 7	2 15	20 29	2 34	17 22	1 17	9 1	1 32	21 10	0 51	7 49	0 49	2 25	1 38	26 41	10 7	23 8	23 13	14 46	14 49	6 39
M21	2 43	22 50	0 54	9 40	2 19	20 49	2 38	17 25	1 16	8 58	1 32	21 10	0 51	7 50	0 49	2 26	1 38	26 41	10 7	23 8	23 13	14 48	14 50	6 39
T 22	3 6	23 2	0s20	9 12	2 22	21 9	2 41	17 27	1 14	8 56	1 32	21 10	0 51	7 51	0 49	2 27	1 38	26 41	10 7	23 8	23 12	14 50	14 51	6 38
W23	3 29	21 51	1 31	8 42	2 25	21 29	2 45	17 29	1 13	8 53	1 32	21 10	0 51	7 52	0 49	2 28	1 38	26 41	10 7	23 8	23 12	14 51	14 51	6 37
T 24	3 52	19 28	2 35	8 11	2 28	21 48	2 49	17 31	1 12	8 51	1 32	21 10	0 51	7 53	0 49	2 29	1 38	26 41	10 6	23 8	23 12	14 53	14 52	6 37
F 25	4 16	16 10	3 29	7 39	2 29	22 7	2 52	17 33	1 10	8 48	1 32	21 10	0 51	7 54	0 49	2 30	1 38	26 41	10 6	23 7	23 12	14 55	14 52	6 36
S 26	4 39	12 10	4 12	7 6	2 31	22 25	2 56	17 34	1 9	8 45	1 32	21 10	0 51	7 54	0 49	2 31	1 38	26 41	10 6	23 7	23 11	14 57	14 53	6 35
S 27	5 2	7 44	4 43	6 31	2 32	22 43	2 59	17 36	1 7	8 43	1 32	21 10	0 51	7 55	0 49	2 32	1 38	26 41	10 6	23 6	23 11	14 59	14 53	6 35
M28	5 25	3 4	4 59	5 55	2 32	23 0	3 3	17 37	1 6	8 40	1 32	21 10	0 51	7 56	0 48	2 32	1 38	26 41	10 6	23 6	23 11	15 1	14 54	6 34
T 29	5 47	1s41	5 2	5 17	2 32	23 16	3 6	17 38	1 4	8 37	1 32	21 10	0 51	7 57	0 48	2 33	1 38	26 41	10 6	23 5	23 11	15 3	14 54	6 33
W30	6 10	6 18	4 51	4 39	2 31	23 33	3 9	17 39	1 2	8 35	1 32	21 10	0 51	7 58	0 48	2 34	1 38	26 41	10 5	23 4	23 11	15 5	14 55	6 33
T 31	6n33	10s40	4s28	3s59	2s30	23n48	3n12	17s40	1n 1	8s32	1n32	21n10	0n51	7n58	0n48	2n35	1s38	26n41	10n 5	23s 3	23s10	15s 7	14n55	6s32

Julian Day Number = 2163434.5, Delta T = 12m59s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'26, Lahiri = 12°51'27 Julian Calendar 1 March 1211 == Greg. Calendar 8 March 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

APRIL 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 2 47	17♈33'34	28♎27	27♓25	3♊ 4	23°R 8	25°R33	29♋33	11°R37	10♈20	12°R47	18°R23	20♐ 4	29♎46	24♋15	F 1
S 2	13 6 43	18°32'04	10♏17	29° 5	4° 3	23♏ 3	25♎25	29°34	11♍35	10°22	12♌47	18♐14	20° 1	29°53	24°17	S 2
S 3	13 10 40	19°30'33	22° 7	0♈47	5° 2	22°58	25°18	29°35	11°33	10°24	12°46	18° 9	19°58	29°59	24°18	S 3
M 4	13 14 36	20°28'59	3♐59	2°31	6° 1	22°52	25°10	29°36	11°31	10°27	12°46	18° 5	19°55	0♏ 6	24°20	M 4
T 5	13 18 33	21°27'24	15°57	4°16	6°59	22°45	25° 2	29°37	11°29	10°29	12°45	18°D 4	19°52	0°13	24°21	T 5
W 6	13 22 29	22°25'47	28° 4	6° 4	7°57	22°38	24°55	29°38	11°27	10°31	12°45	18° 4	19°48	0°19	24°23	W 6
T 7	13 26 26	23°24'08	10♑25	7°52	8°54	22°29	24°47	29°39	11°26	10°33	12°45	18° 5	19°45	0°26	24°25	T 7
F 8	13 30 22	24°22'28	23° 5	9°43	9°50	22°20	24°39	29°41	11°24	10°36	12°44	18°R 6	19°42	0°33	24°27	F 8
S 9	13 34 19	25°20'46	6♒ 8	11°35	10°47	22°10	24°32	29°42	11°22	10°38	12°44	18° 5	19°39	0°40	24°29	S 9
S 10	13 38 16	26°19'03	19°38	13°29	11°42	22° 0	24°24	29°44	11°21	10°40	12°44	18° 3	19°36	0°46	24°31	S 10
M11	13 42 12	27°17'18	3♓37	15°25	12°37	21°49	24°16	29°46	11°19	10°42	12°44	17°59	19°32	0°53	24°33	M11
T 12	13 46 9	28°15'32	18° 4	17°22	13°32	21°37	24° 9	29°47	11°18	10°44	12°43	17°53	19°29	1° 0	24°35	T 12
W13	13 50 5	29°13'44	2♈56	19°21	14°26	21°24	24° 1	29°49	11°16	10°47	12°43	17°45	19°26	1° 6	24°38	W13
T 14	13 54 2	0♉11'54	18° 5	21°22	15°19	21°10	23°54	29°51	11°15	10°49	12°43	17°38	19°23	1°13	24°40	T 14
F 15	13 57 58	1°10'03	3♉22	23°24	16°12	20°56	23°46	29°54	11°13	10°51	12°43	17°32	19°20	1°20	24°43	F 15
S 16	14 1 55	2° 8'10	18°35	25°28	17° 4	20°42	23°38	29°56	11°12	10°53	12°43	17°27	19°17	1°26	24°45	S 16
S 17	14 5 51	3° 6'15	3♊34	27°33	17°56	20°26	23°31	29°58	11°11	10°55	12°43	17°24	19°13	1°33	24°48	S 17
M18	14 9 48	4° 4'19	18°13	29°39	18°46	20°10	23°23	0♌ 1	11° 9	10°57	12°D43	17°D24	19°10	1°40	24°51	M18
T 19	14 13 45	5° 2'20	2♋27	1♉47	19°37	19°53	23°16	0° 3	11° 8	10°59	12°43	17°24	19° 7	1°46	24°54	T 19
W20	14 17 41	6° 0'20	16°13	3°56	20°26	19°36	23° 9	0° 6	11° 7	11° 2	12°43	17°26	19° 4	1°53	24°57	W20
T 21	14 21 38	6°58'18	29°34	6° 5	21°14	19°19	23° 1	0° 9	11° 6	11° 4	12°43	17°27	19° 1	2° 0	25° 0	T 21
F 22	14 25 34	7°56'13	12♌31	8°15	22° 2	19° 0	22°54	0°12	11° 5	11° 6	12°43	17°R27	18°58	2° 6	25° 3	F 22
S 23	14 29 31	8°54'07	25° 9	10°26	22°49	18°42	22°47	0°15	11° 4	11° 8	12°43	17°25	18°54	2°13	25° 6	S 23
S 24	14 33 27	9°51'59	7♍31	12°36	23°35	18°23	22°40	0°18	11° 3	11°10	12°43	17°22	18°51	2°20	25°10	S 24
M25	14 37 24	10°49'49	19°41	14°47	24°20	18° 3	22°33	0°21	11° 2	11°12	12°44	17°18	18°48	2°27	25°13	M25
T 26	14 41 20	11°47'38	1♎42	16°57	25° 4	17°44	22°26	0°24	11° 1	11°14	12°44	17°12	18°45	2°33	25°17	T 26
W27	14 45 17	12°45'25	13°37	19° 7	25°48	17°23	22°19	0°27	11° 0	11°16	12°44	17° 6	18°42	2°40	25°20	W27
T 28	14 49 14	13°43'10	25°28	21°16	26°30	17° 3	22°13	0°31	10°59	11°18	12°44	17° 0	18°38	2°47	25°24	T 28
F 29	14 53 10	14°40'54	7♏19	23°23	27°11	16°42	22° 6	0°34	10°59	11°20	12°45	16°55	18°35	2°53	25°28	F 29
S 30	14 57 7	15♉38'36	19♏ 9	25♉29	27♊51	16♏22	21♎59	0♌38	10♍58	11♈22	12♌45	16♐51	18♐32	3♏ 0	25♋32	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n55	14s35	3s53	3s18	2s28	24n 3	3n15	17s41	0n59	8s29	1n32	21n 9	0n51	7n59	0n48	2n36	1s38	26n41	10n 5	23s 2	23s10	15s 8	14n56	6s31
S 2	7 18	17 56	3 8	2 35	2 25	24 18	3 18	17 42	0 57	8 27	1 32	21 9	0 51	8 0	0 48	2 37	1 38	26 41	10 5	23 1	23 10	15 10	14 56	6 31
S 3	7 40	20 32	2 14	1 52	2 23	24 31	3 21	17 42	0 55	8 24	1 32	21 9	0 51	8 0	0 48	2 38	1 38	26 41	10 5	23 1	23 10	15 12	14 57	6 30
M 4	8 2	22 16	1 15	1 7	2 19	24 45	3 24	17 42	0 53	8 21	1 32	21 9	0 51	8 1	0 48	2 39	1 38	26 41	10 4	23 0	23 9	15 14	14 57	6 29
T 5	8 24	22 59	0 11	0 22	2 15	24 58	3 27	17 43	0 51	8 18	1 32	21 9	0 51	8 2	0 48	2 39	1 39	26 41	10 4	23 0	23 9	15 16	14 57	6 29
W 6	8 46	22 38	0n53	0n25	2 11	25 10	3 29	17 43	0 49	8 16	1 32	21 8	0 51	8 2	0 48	2 40	1 39	26 41	10 4	23 0	23 9	15 18	14 58	6 28
T 7	9 8	21 11	1 57	1 12	2 6	25 22	3 32	17 43	0 47	8 13	1 32	21 8	0 51	8 3	0 48	2 41	1 39	26 41	10 4	23 0	23 9	15 20	14 58	6 27
F 8	9 29	18 39	2 57	2 1	2 1	25 33	3 34	17 42	0 45	8 10	1 32	21 8	0 51	8 4	0 48	2 42	1 39	26 41	10 4	23 0	23 8	15 21	14 59	6 27
S 9	9 51	15 7	3 49	2 51	1 55	25 43	3 36	17 42	0 43	8 7	1 32	21 7	0 51	8 4	0 48	2 43	1 39	26 41	10 3	23 0	23 8	15 23	14 59	6 26
S 10	10 12	10 42	4 31	3 41	1 48	25 53	3 38	17 41	0 41	8 4	1 32	21 7	0 51	8 5	0 48	2 44	1 39	26 40	10 3	23 0	23 8	15 25	14 59	6 25
M11	10 33	5 36	4 58	4 32	1 41	26 3	3 40	17 41	0 38	8 2	1 32	21 7	0 51	8 5	0 48	2 45	1 39	26 40	10 3	23 0	23 8	15 27	14 59	6 25
T 12	10 54	0 1	5 7	5 24	1 34	26 12	3 42	17 40	0 36	7 59	1 32	21 6	0 51	8 6	0 48	2 45	1 39	26 40	10 3	22 59	23 7	15 29	15 0	6 24
W13	11 15	5n42	4 57	6 17	1 26	26 20	3 44	17 39	0 34	7 56	1 32	21 6	0 51	8 7	0 48	2 46	1 39	26 40	10 3	22 58	23 7	15 31	15 0	6 23
T 14	11 35	11 12	4 26	7 10	1 18	26 28	3 45	17 38	0 31	7 53	1 32	21 5	0 51	8 7	0 48	2 47	1 39	26 40	10 2	22 58	23 7	15 32	15 0	6 23
F 15	11 56	16 3	3 35	8 3	1 9	26 35	3 47	17 36	0 29	7 51	1 31	21 5	0 51	8 8	0 48	2 48	1 39	26 40	10 2	22 57	23 7	15 34	15 0	6 22
S 16	12 16	19 49	2 29	8 57	1 0	26 42	3 48	17 35	0 26	7 48	1 31	21 5	0 51	8 8	0 48	2 49	1 39	26 39	10 2	22 57	23 6	15 36	15 0	6 22
S 17	12 36	22 10	1 14	9 51	0 51	26 48	3 49	17 33	0 23	7 45	1 31	21 4	0 51	8 8	0 48	2 50	1 39	26 39	10 2	22 57	23 6	15 38	15 1	6 21
M18	12 56	22 57	0s 4	10 46	0 41	26 53	3 50	17 32	0 21	7 43	1 31	21 3	0 51	8 9	0 48	2 50	1 39	26 39	10 1	22 56	23 6	15 40	15 1	6 20
T 19	13 15	22 10	1 21	11 40	0 31	26 58	3 51	17 30	0 18	7 40	1 31	21 3	0 51	8 9	0 48	2 51	1 39	26 39	10 1	22 57	23 6	15 41	15 1	6 20
W20	13 35	20 4	2 30	12 34	0 20	27 3	3 52	17 28	0 15	7 37	1 31	21 2	0 51	8 10	0 48	2 52	1 39	26 39	10 1	22 57	23 5	15 43	15 1	6 19
T 21	13 54	16 55	3 29	13 27	0 10	27 7	3 52	17 26	0 13	7 35	1 31	21 2	0 51	8 10	0 48	2 53	1 39	26 38	10 1	22 57	23 5	15 45	15 1	6 18
F 22	14 13	13 2	4 15	14 19	0n 0	27 10	3 53	17 23	0 10	7 32	1 31	21 1	0 51	8 11	0 48	2 54	1 39	26 38	10 1	22 57	23 5	15 47	15 1	6 18
S 23	14 32	8 40	4 48	15 11	0 11	27 13	3 53	17 21	0 7	7 30	1 31	21 1	0 51	8 11	0 48	2 54	1 39	26 38	10 0	22 57	23 5	15 49	15 1	6 17
S 24	14 50	4 3	5 6	16 2	0 22	27 15	3 53	17 19	0 4	7 27	1 30	21 0	0 51	8 11	0 48	2 55	1 39	26 38	10 0	22 56	23 4	15 50	15 1	6 17
M25	15 8	0s39	5 10	16 51	0 32	27 17	3 52	17 16	0 1	7 25	1 30	20 59	0 51	8 12	0 48	2 56	1 39	26 37	10 0	22 56	23 4	15 52	15 1	6 16
T 26	15 26	5 17	5 1	17 39	0 42	27 19	3 52	17 13	0s 2	7 22	1 30	20 58	0 51	8 12	0 48	2 57	1 39	26 37	10 0	22 55	23 4	15 54	15 1	6 15
W27	15 44	9 40	4 38	18 25	0 52	27 19	3 51	17 10	0 5	7 20	1 30	20 58	0 51	8 12	0 47	2 57	1 39	26 37	10 0	22 55	23 3	15 56	15 1	6 15
T 28	16 1	13 40	4 4	19 9	1 2	27 20	3 50	17 7	0 8	7 18	1 30	20 57	0 51	8 12	0 47	2 58	1 39	26 37	9 59	22 54	23 3	15 57	15 1	6 14
F 29	16 19	17 9	3 19	19 51	1 11	27 20	3 49	17 4	0 11	7 15	1 30	20 56	0 51	8 13	0 47	2 59	1 39	26 36	9 59	22 54	23 3	15 59	15 1	6 14
S 30	16n36	19s55	2s25	20n31	1n20	27n19	3n48	17s 1	0s14	7s13	1n30	20n55	0n51	8n13	0n47	3n 0	1s39	26n36	9n59	22s53	23s 3	16s 1	15n 1	6s13

Julian Day Number = 2163465.5, Delta T = 12m59s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'31, Lahiri = 12°51'31 Julian Calendar 1 Apr. 1211 == Greg. Calendar 8 Apr. 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

MAY 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 1 3	16♉36'17	1♐ 3	27♉33	28♊30	16°R 1	21°R53	0♌42	10°R57	11♈24	12♌45	16°R48	18♐29	3♏ 7	25♋36	S 1
M 2	15 5 0	17°33'57	13° 1	29°35	29° 8	15♏40	21♎47	0°45	10♍57	11°26	12°46	16°D47	18°26	3°13	25°40	M 2
T 3	15 8 56	18°31'36	25° 6	1♊35	29°44	15°19	21°40	0°49	10°56	11°28	12°46	16♐47	18°23	3°20	25°44	T 3
W 4	15 12 53	19°29'13	7♑21	3°33	0♋20	14°57	21°34	0°53	10°56	11°29	12°47	16°48	18°19	3°27	25°48	W 4
T 5	15 16 49	20°26'49	19°49	5°28	0°54	14°36	21°28	0°57	10°55	11°31	12°47	16°50	18°16	3°33	25°53	T 5
F 6	15 20 46	21°24'25	2♒33	7°21	1°26	14°15	21°23	1° 1	10°55	11°33	12°48	16°51	18°13	3°40	25°57	F 6
S 7	15 24 43	22°21'59	15°36	9°11	1°58	13°54	21°17	1° 6	10°55	11°35	12°48	16°52	18°10	3°47	26° 1	S 7
S 8	15 28 39	23°19'32	29° 3	10°58	2°28	13°34	21°11	1°10	10°55	11°37	12°49	16°R52	18° 7	3°53	26° 6	S 8
M 9	15 32 36	24°17'05	12♓53	12°43	2°56	13°13	21° 6	1°14	10°54	11°39	12°49	16°51	18° 4	4° 0	26°10	M 9
T 10	15 36 32	25°14'36	27° 8	14°25	3°23	12°53	21° 0	1°19	10°54	11°40	12°50	16°49	18° 0	4° 7	26°15	T 10
W11	15 40 29	26°12'07	11♈46	16° 3	3°48	12°33	20°55	1°23	10°54	11°42	12°51	16°47	17°57	4°13	26°20	W11
T 12	15 44 25	27° 9'37	26°40	17°39	4°11	12°13	20°50	1°28	10°D54	11°44	12°51	16°44	17°54	4°20	26°25	T 12
F 13	15 48 22	28° 7'06	11♉46	19°12	4°33	11°54	20°45	1°33	10°54	11°46	12°52	16°42	17°51	4°27	26°30	F 13
S 14	15 52 18	29° 4'34	26°52	20°42	4°53	11°35	20°41	1°37	10°54	11°47	12°53	16°41	17°48	4°34	26°35	S 14
S 15	15 56 15	0♊ 2'01	11♊50	22° 8	5°11	11°17	20°36	1°42	10°54	11°49	12°53	16°D40	17°44	4°40	26°40	S 15
M16	16 0 12	0°59'27	26°33	23°32	5°27	10°59	20°32	1°47	10°54	11°50	12°54	16°40	17°41	4°47	26°45	M16
T 17	16 4 8	1°56'52	10♋53	24°52	5°41	10°42	20°27	1°52	10°55	11°52	12°55	16°41	17°38	4°54	26°50	T 17
W18	16 8 5	2°54'16	24°47	26°10	5°54	10°25	20°23	1°57	10°55	11°54	12°56	16°42	17°35	5° 0	26°55	W18
T 19	16 12 1	3°51'39	8♌16	27°24	6° 4	10° 9	20°19	2° 3	10°55	11°55	12°57	16°43	17°32	5° 7	27° 0	T 19
F 20	16 15 58	4°49'00	21°19	28°35	6°12	9°53	20°16	2° 8	10°56	11°57	12°58	16°44	17°29	5°14	27° 6	F 20
S 21	16 19 54	5°46'21	4♍ 0	29°42	6°17	9°39	20°12	2°13	10°56	11°58	12°58	16°R44	17°25	5°20	27°11	S 21
S 22	16 23 51	6°43'40	16°22	0♋46	6°21	9°25	20° 8	2°18	10°57	12° 0	12°59	16°44	17°22	5°27	27°17	S 22
M23	16 27 47	7°40'58	28°31	1°47	6°R22	9°11	20° 5	2°24	10°57	12° 1	13° 0	16°43	17°19	5°34	27°22	M23
T 24	16 31 44	8°38'16	10♎29	2°44	6°20	8°59	20° 2	2°29	10°58	12° 3	13° 1	16°42	17°16	5°40	27°28	T 24
W25	16 35 41	9°35'32	22°21	3°38	6°17	8°47	19°59	2°35	10°58	12° 4	13° 2	16°41	17°13	5°47	27°34	W25
T 26	16 39 37	10°32'48	4♏11	4°28	6°11	8°36	19°56	2°41	10°59	12° 6	13° 3	16°41	17° 9	5°54	27°39	T 26
F 27	16 43 34	11°30'02	16° 2	5°14	6° 2	8°25	19°54	2°46	11° 0	12° 7	13° 4	16°40	17° 6	6° 0	27°45	F 27
S 28	16 47 30	12°27'16	27°56	5°56	5°52	8°16	19°51	2°52	11° 1	12° 8	13° 5	16°39	17° 3	6° 7	27°51	S 28
S 29	16 51 27	13°24'30	9♐56	6°34	5°38	8° 7	19°49	2°58	11° 1	12°10	13° 7	16°39	17° 0	6°14	27°57	S 29
M30	16 55 23	14°21'43	22° 5	7° 8	5°23	7°59	19°47	3° 4	11° 2	12°11	13° 8	16°D39	16°57	6°20	28° 3	M30
T 31	16 59 20	15♊18'55	4♑23	7♋38	5♋ 5	7♏52	19♎45	3♌10	11♍ 3	12♈12	13♌ 9	16♐39	16♐54	6♏27	28♋ 9	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n52	21s51	1s25	21n 8	1n29	27n18	3n46	16s58	0s17	7s11	1n29	20n55	0n51	8n13	0n47	3n 0	1s39	26n36	9n59	22s53	23s 2	16s 3	15n 1	6s12	
M 2	17 9	22 48	0 21	21 43	1 36	27 16	3 44	16 55	0 20	7 9	1 29	20 54	0 51	8 13	0 47	3 1	1 39	26 35	9 58	22 53	23 2	16 4	15 0	6 12	
T 3	17 25	22 41	0n46	22 15	1 43	27 15	3 42	16 52	0 23	7 6	1 29	20 53	0 51	8 13	0 47	3 2	1 39	26 35	9 58	22 53	23 2	16 6	15 0	6 11	
W 4	17 41	21 30	1 51	22 45	1 50	27 12	3 40	16 49	0 26	7 4	1 29	20 52	0 51	8 14	0 47	3 2	1 39	26 35	9 58	22 53	23 2	16 8	15 0	6 11	
T 5	17 56	19 14	2 52	23 12	1 56	27 9	3 37	16 45	0 29	7 2	1 29	20 51	0 51	8 14	0 47	3 3	1 39	26 34	9 58	22 53	23 1	16 10	15 0	6 10	
F 6	18 11	16 1	3 46	23 37	2 1	27 6	3 34	16 42	0 32	7 0	1 28	20 50	0 51	8 14	0 47	3 4	1 39	26 34	9 58	22 53	23 1	16 11	15 0	6 10	
S 7	18 26	11 56	4 29	23 59	2 5	27 2	3 31	16 39	0 35	6 58	1 28	20 49	0 51	8 14	0 47	3 5	1 39	26 34	9 57	22 53	23 1	16 13	14 59	6 9	
S 8	18 41	7 10	5 0	24 18	2 9	26 58	3 27	16 35	0 38	6 56	1 28	20 48	0 51	8 14	0 47	3 5	1 39	26 33	9 57	22 53	23 0	16 15	14 59	6 9	
M 9	18 55	1 55	5 14	24 35	2 11	26 54	3 23	16 32	0 41	6 55	1 28	20 47	0 51	8 14	0 47	3 6	1 39	26 33	9 57	22 53	23 0	16 16	14 59	6 8	
T 10	19 9	3n36	5 10	24 50	2 13	26 49	3 19	16 29	0 44	6 53	1 28	20 47	0 51	8 14	0 47	3 7	1 40	26 33	9 57	22 53	23 0	16 18	14 58	6 7	
W11	19 23	9 3	4 46	25 2	2 15	26 44	3 15	16 25	0 47	6 51	1 27	20 45	0 51	8 14	0 47	3 7	1 40	26 32	9 57	22 53	23 0	16 20	14 58	6 7	
T 12	19 36	14 5	4 2	25 12	2 15	26 38	3 10	16 22	0 50	6 49	1 27	20 44	0 51	8 14	0 47	3 8	1 40	26 32	9 56	22 53	22 59	16 21	14 58	6 6	
F 13	19 50	18 18	3 1	25 20	2 15	26 32	3 5	16 19	0 53	6 48	1 27	20 43	0 51	8 14	0 47	3 8	1 40	26 31	9 56	22 52	22 59	16 23	14 57	6 6	
S 14	20 2	21 17	1 47	25 26	2 13	26 26	2 59	16 16	0 56	6 46	1 27	20 42	0 51	8 14	0 47	3 9	1 40	26 31	9 56	22 52	22 59	16 25	14 57	6 5	
S 15	20 15	22 45	0 27	25 30	2 11	26 19	2 53	16 13	0 59	6 45	1 26	20 41	0 51	8 14	0 47	3 10	1 40	26 30	9 56	22 52	22 58	16 27	14 56	6 5	
M16	20 27	22 35	0s54	25 31	2 9	26 12	2 47	16 10	1 2	6 43	1 26	20 40	0 51	8 14	0 47	3 10	1 40	26 30	9 56	22 52	22 58	16 28	14 56	6 4	
T 17	20 38	20 56	2 10	25 31	2 5	26 5	2 40	16 7	1 5	6 42	1 26	20 39	0 51	8 13	0 47	3 11	1 40	26 30	9 55	22 52	22 58	16 30	14 55	6 4	
W18	20 50	18 3	3 16	25 30	2 1	25 57	2 33	16 5	1 7	6 41	1 26	20 38	0 51	8 13	0 47	3 11	1 40	26 29	9 55	22 52	22 57	16 32	14 55	6 3	
T 19	21 1	14 17	4 8	25 26	1 56	25 49	2 25	16 2	1 10	6 39	1 25	20 37	0 51	8 13	0 47	3 12	1 40	26 29	9 55	22 52	22 57	16 33	14 54	6 3	
F 20	21 11	9 56	4 46	25 22	1 50	25 41	2 17	16 0	1 13	6 38	1 25	20 36	0 51	8 13	0 47	3 13	1 40	26 28	9 55	22 53	22 57	16 35	14 54	6 2	
S 21	21 22	5 17	5 9	25 15	1 43	25 32	2 9	15 57	1 16	6 37	1 25	20 34	0 51	8 13	0 46	3 13	1 40	26 28	9 55	22 53	22 57	16 36	14 53	6 2	
S 22	21 31	0 32	5 17	25 8	1 36	25 23	2 0	15 55	1 18	6 36	1 25	20 33	0 51	8 13	0 46	3 14	1 40	26 27	9 54	22 53	22 56	16 38	14 53	6 2	
M23	21 41	4s 9	5 10	24 59	1 27	25 14	1 51	15 53	1 21	6 35	1 24	20 32	0 51	8 12	0 46	3 14	1 40	26 27	9 54	22 53	22 56	16 40	14 52	6 1	
T 24	21 50	8 37	4 50	24 49	1 18	25 5	1 41	15 52	1 23	6 34	1 24	20 31	0 51	8 12	0 46	3 15	1 40	26 26	9 54	22 52	22 56	16 41	14 52	6 1	
W25	21 59	12 43	4 18	24 38	1 9	24 55	1 31	15 50	1 26	6 33	1 24	20 29	0 51	8 12	0 46	3 15	1 40	26 26	9 54	22 52	22 55	16 43	14 51	6 0	
T 26	22 7	16 20	3 34	24 26	0 58	24 45	1 21	15 49	1 28	6 32	1 24	20 28	0 51	8 11	0 46	3 16	1 40	26 26	9 54	22 52	22 55	16 45	14 50	6 0	
F 27	22 15	19 17	2 42	24 14	0 47	24 34	1 10	15 48	1 30	6 32	1 23	20 27	0 51	8 11	0 46	3 16	1 40	26 25	9 53	22 52	22 55	16 46	14 50	5 59	
S 28	22 23	21 26	1 42	24 0	0 36	24 23	0 59	15 47	1 33	6 31	1 23	20 26	0 51	8 11	0 46	3 17	1 40	26 25	9 53	22 52	22 54	16 48	14 49	5 59	
S 29	22 30	22 39	0 37	23 46	0 23	24 12	0 47	15 46	1 35	6 30	1 23	20 24	0 51	8 10	0 46	3 17	1 40	26 24	9 53	22 52	22 54	16 50	14 48	5 59	
M30	22 37	22 48	0n30	23 31	0 10	24 1	0 35	15 45	1 37	6 30	1 23	20 23	0 51	8 10	0 46	3 18	1 40	26 24	9 53	22 52	22 54	16 51	14 47	5 58	
T 31	22n44	21s51	1n37	23n16	0s 3	23n49	0n22	15s45	1s39	6s29	1n22	20n22	0n51	8n10	0n46	3n18	1s41	26n23	9n53	22s52	22s54	16s53	14n47	5s58	

Julian Day Number = 2163495.5, Delta T = 12m58s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'35, Lahiri = 12°51'35 Julian Calendar 1 May 1211 == Greg. Calendar 8 May 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

JUNE 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 3 16	16♊16'07	16♉52	8♋ 3	4°R44	7°R46	19°R43	3♌16	11♍ 4	12♈13	13♌10	16°R39	16♐50	6♏34	28♋15	W 1
T 2	17 7 13	17°13'19	29°35	8°24	4♋22	7♏40	19♎42	3°22	11° 5	12°15	13°11	16♐39	16°47	6°40	28°21	T 2
F 3	17 11 10	18°10'30	12♒32	8°41	3°57	7°35	19°41	3°28	11° 7	12°16	13°12	16°39	16°44	6°47	28°27	F 3
S 4	17 15 6	19° 7'42	25°45	8°53	3°31	7°32	19°39	3°34	11° 8	12°17	13°14	16°39	16°41	6°54	28°33	S 4
S 5	17 19 3	20° 4'53	9♓14	9° 0	3° 2	7°29	19°38	3°40	11° 9	12°18	13°15	16°39	16°38	7° 0	28°40	S 5
M 6	17 22 59	21° 2'04	23° 2	9°R 3	2°32	7°26	19°38	3°46	11°10	12°19	13°16	16°D39	16°35	7° 7	28°46	M 6
T 7	17 26 56	21°59'15	7♈ 7	9° 2	2° 0	7°25	19°37	3°53	11°12	12°20	13°17	16°39	16°31	7°14	28°52	T 7
W 8	17 30 52	22°56'26	21°28	8°56	1°27	7°D24	19°36	3°59	11°13	12°21	13°19	16°39	16°28	7°21	28°59	W 8
T 9	17 34 49	23°53'37	6♉ 3	8°45	0°52	7°25	19°36	4° 6	11°14	12°22	13°20	16°40	16°25	7°27	29° 5	T 9
F 10	17 38 45	24°50'49	20°46	8°30	0°16	7°26	19°D36	4°12	11°16	12°23	13°21	16°41	16°22	7°34	29°12	F 10
S 11	17 42 42	25°48'00	5♊32	8°12	29♊40	7°28	19°36	4°19	11°17	12°24	13°23	16°41	16°19	7°41	29°18	S 11
S 12	17 46 39	26°45'12	20°15	7°49	29° 3	7°31	19°36	4°25	11°19	12°25	13°24	16°R41	16°15	7°47	29°25	S 12
M13	17 50 35	27°42'23	4♋47	7°23	28°26	7°34	19°37	4°32	11°20	12°26	13°26	16°41	16°12	7°54	29°31	M13
T 14	17 54 32	28°39'34	19° 2	6°53	27°48	7°39	19°38	4°39	11°22	12°27	13°27	16°40	16° 9	8° 1	29°38	T 14
W15	17 58 28	29°36'45	2♌56	6°21	27°11	7°44	19°38	4°45	11°24	12°27	13°29	16°38	16° 6	8° 7	29°45	W15
T 16	18 2 25	0♋33'56	16°27	5°47	26°34	7°50	19°39	4°52	11°26	12°28	13°30	16°37	16° 3	8°14	29°52	T 16
F 17	18 6 21	1°31'07	29°33	5°11	25°58	7°56	19°40	4°59	11°27	12°29	13°32	16°35	16° 0	8°21	29°58	F 17
S 18	18 10 18	2°28'17	12♍18	4°34	25°22	8° 4	19°42	5° 6	11°29	12°30	13°33	16°33	15°56	8°27	0♌ 5	S 18
S 19	18 14 14	3°25'28	24°43	3°56	24°47	8°12	19°43	5°13	11°31	12°30	13°35	16°32	15°53	8°34	0°12	S 19
M20	18 18 11	4°22'38	6♎52	3°19	24°14	8°21	19°45	5°20	11°33	12°31	13°36	16°D32	15°50	8°41	0°19	M20
T 21	18 22 8	5°19'48	18°50	2°42	23°42	8°31	19°47	5°26	11°35	12°32	13°38	16°33	15°47	8°47	0°26	T 21
W22	18 26 4	6°16'58	0♏42	2° 7	23°12	8°41	19°49	5°33	11°37	12°32	13°39	16°34	15°44	8°54	0°33	W22
T 23	18 30 1	7°14'08	12°32	1°34	22°43	8°52	19°51	5°41	11°39	12°33	13°41	16°35	15°41	9° 1	0°40	T 23
F 24	18 33 57	8°11'18	24°24	1° 3	22°16	9° 4	19°54	5°48	11°41	12°33	13°42	16°37	15°37	9° 7	0°47	F 24
S 25	18 37 54	9° 8'29	6♐23	0°36	21°52	9°17	19°56	5°55	11°43	12°34	13°44	16°38	15°34	9°14	0°54	S 25
S 26	18 41 50	10° 5'39	18°32	0°13	21°29	9°30	19°59	6° 2	11°46	12°34	13°46	16°R38	15°31	9°21	1° 1	S 26
M27	18 45 47	11° 2'50	0♑53	29♊54	21° 9	9°44	20° 2	6° 9	11°48	12°35	13°47	16°38	15°28	9°27	1° 8	M27
T 28	18 49 44	12° 0'01	13°27	29°39	20°51	9°58	20° 5	6°16	11°50	12°35	13°49	16°36	15°25	9°34	1°15	T 28
W29	18 53 40	12°57'13	26°16	29°29	20°35	10°13	20° 8	6°23	11°53	12°36	13°51	16°33	15°21	9°41	1°22	W29
T 30	18 57 37	13♋54'25	9♒20	29°D25	20♊21	10♏29	20♎12	6♌31	11♍55	12♈36	13♌52	16♐29	15♐18	9♏47	1♌30	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22n50	19s49	2n40	23n 0	0s17	23n37	0n10	15s45	1s41	6s29	1n22	20n20	0n51	8n 9	0n46	3n18	1s41	26n23	9n53	22s52	22s53	16s54	14n46	5s57	W 1
T 2	22 55	16 48	3 36	22 45	0 32	23 25	0s 3	15 45	1 43	6 29	1 22	20 19	0 51	8 9	0 46	3 19	1 41	26 22	9 52	22 52	22 53	16 56	14 45	5 57	T 2
F 3	23 1	12 55	4 23	22 28	0 47	23 12	0 17	15 45	1 45	6 28	1 21	20 17	0 51	8 8	0 46	3 19	1 41	26 22	9 52	22 52	22 53	16 58	14 44	5 57	F 3
S 4	23 6	8 20	4 57	22 12	1 2	22 59	0 30	15 46	1 47	6 28	1 21	20 16	0 51	8 8	0 46	3 20	1 41	26 21	9 52	22 52	22 52	16 59	14 43	5 56	S 4
S 5	23 10	3 17	5 15	21 56	1 18	22 46	0 44	15 47	1 49	6 28	1 21	20 14	0 51	8 7	0 46	3 20	1 41	26 20	9 52	22 52	22 52	17 1	14 42	5 56	S 5
M 6	23 14	2n 3	5 15	21 40	1 34	22 33	0 58	15 48	1 51	6 28	1 21	20 13	0 51	8 7	0 46	3 20	1 41	26 20	9 52	22 52	22 52	17 2	14 41	5 55	M 6
T 7	23 18	7 23	4 57	21 24	1 50	22 19	1 12	15 49	1 53	6 28	1 20	20 12	0 51	8 6	0 46	3 21	1 41	26 19	9 52	22 52	22 51	17 4	14 41	5 55	T 7
W 8	23 21	12 26	4 21	21 8	2 7	22 6	1 26	15 50	1 54	6 28	1 20	20 10	0 51	8 6	0 46	3 21	1 41	26 19	9 52	22 52	22 51	17 5	14 40	5 55	W 8
T 9	23 24	16 51	3 27	20 53	2 23	21 52	1 41	15 52	1 56	6 28	1 20	20 9	0 51	8 5	0 46	3 21	1 41	26 18	9 51	22 52	22 51	17 7	14 39	5 54	T 9
F 10	23 26	20 15	2 19	20 38	2 39	21 38	1 55	15 54	1 58	6 28	1 19	20 7	0 51	8 4	0 46	3 22	1 41	26 18	9 51	22 52	22 50	17 9	14 38	5 54	F 10
S 11	23 28	22 20	1 1	20 23	2 54	21 24	2 9	15 56	1 59	6 29	1 19	20 5	0 51	8 4	0 46	3 22	1 41	26 17	9 51	22 52	22 50	17 10	14 37	5 54	S 11
S 12	23 30	22 51	0s20	20 9	3 9	21 10	2 23	15 58	2 1	6 29	1 19	20 4	0 51	8 3	0 46	3 22	1 41	26 17	9 51	22 52	22 50	17 12	14 36	5 53	S 12
M13	23 31	21 49	1 39	19 56	3 24	20 56	2 36	16 1	2 2	6 30	1 19	20 2	0 51	8 3	0 46	3 23	1 41	26 16	9 51	22 52	22 49	17 13	14 35	5 53	M13
T 14	23 32	19 23	2 50	19 44	3 38	20 42	2 50	16 4	2 3	6 30	1 18	20 1	0 51	8 2	0 45	3 23	1 41	26 16	9 51	22 52	22 49	17 15	14 34	5 53	T 14
W15	23 32	15 52	3 49	19 33	3 51	20 28	3 3	16 7	2 5	6 31	1 18	19 59	0 51	8 1	0 45	3 23	1 41	26 15	9 51	22 52	22 49	17 16	14 33	5 53	W15
T 16	23 32	11 37	4 34	19 23	4 2	20 14	3 15	16 10	2 6	6 31	1 18	19 58	0 51	8 0	0 45	3 24	1 41	26 14	9 50	22 52	22 48	17 18	14 31	5 52	T 16
F 17	23 32	6 57	5 2	19 13	4 13	20 1	3 28	16 13	2 7	6 32	1 18	19 56	0 51	8 0	0 45	3 24	1 41	26 14	9 50	22 52	22 48	17 19	14 30	5 52	F 17
S 18	23 31	2 7	5 15	19 5	4 22	19 48	3 39	16 17	2 9	6 33	1 17	19 54	0 51	7 59	0 45	3 24	1 42	26 13	9 50	22 52	22 48	17 21	14 29	5 52	S 18
S 19	23 30	2s40	5 13	18 59	4 30	19 36	3 51	16 21	2 10	6 34	1 17	19 53	0 51	7 58	0 45	3 24	1 42	26 13	9 50	22 51	22 47	17 22	14 28	5 51	S 19
M20	23 28	7 16	4 57	18 53	4 37	19 24	4 2	16 25	2 11	6 34	1 17	19 51	0 51	7 57	0 45	3 24	1 42	26 12	9 50	22 51	22 47	17 24	14 27	5 51	M20
T 21	23 26	11 32	4 27	18 49	4 42	19 12	4 12	16 29	2 12	6 35	1 16	19 49	0 52	7 57	0 45	3 25	1 42	26 12	9 50	22 51	22 47	17 25	14 26	5 51	T 21
W22	23 23	15 18	3 47	18 47	4 45	19 1	4 21	16 34	2 13	6 36	1 16	19 48	0 52	7 56	0 45	3 25	1 42	26 11	9 50	22 52	22 46	17 27	14 24	5 51	W22
T 23	23 21	18 28	2 57	18 45	4 46	18 50	4 30	16 38	2 14	6 38	1 16	19 46	0 52	7 55	0 45	3 25	1 42	26 10	9 50	22 52	22 46	17 28	14 23	5 50	T 23
F 24	23 17	20 53	2 0	18 46	4 46	18 41	4 39	16 43	2 15	6 39	1 16	19 44	0 52	7 54	0 45	3 25	1 42	26 10	9 50	22 52	22 46	17 30	14 22	5 50	F 24
S 25	23 13	22 23	0 56	18 47	4 45	18 31	4 47	16 48	2 16	6 40	1 15	19 43	0 52	7 53	0 45	3 25	1 42	26 9	9 50	22 52	22 45	17 31	14 21	5 50	S 25
S 26	23 9	22 52	0n10	18 51	4 42	18 23	4 54	16 53	2 17	6 41	1 15	19 41	0 52	7 52	0 45	3 25	1 42	26 9	9 49	22 52	22 45	17 33	14 19	5 50	S 26
M27	23 5	22 15	1 18	18 55	4 37	18 15	5 0	16 58	2 18	6 43	1 15	19 39	0 52	7 52	0 45	3 25	1 42	26 8	9 49	22 52	22 45	17 34	14 18	5 50	M27
T 28	23 0	20 30	2 22	19 1	4 31	18 8	5 6	17 4	2 19	6 44	1 14	19 37	0 52	7 51	0 45	3 26	1 42	26 8	9 49	22 52	22 44	17 36	14 17	5 49	T 28
W29	22 54	17 42	3 21	19 8	4 24	18 1	5 12	17 9	2 20	6 46	1 14	19 35	0 52	7 50	0 45	3 26	1 42	26 7	9 49	22 51	22 44	17 37	14 15	5 49	W29
T 30	22n49	13s59	4n10	19n17	4s16	17n55	5s17	17s15	2s21	6s47	1n14	19n34	0n52	7n49	0n45	3n26	1s42	26n 6	9n49	22s51	22s44	17s39	14n14	5s49	T 30

Julian Day Number = 2163526.5, Delta T = 12m58s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'39, Lahiri = 12°51'40 Julian Calendar 1 June 1211 == Greg. Calendar 8 June 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

JULY 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 1 33	14♋51'38	22♒38	29♊25	20°R10	10♏45	20♎15	6♌38	11♍57	12♈36	13♌54	16°R25	15♐15	9♏54	1♌37	F 1
S 2	19 5 30	15°48'51	6♓10	29°32	20♊ 2	11° 2	20°19	6°45	12° 0	12°36	13°56	16♐21	15°12	10° 1	1°44	S 2
S 3	19 9 26	16°46'05	19°53	29°44	19°56	11°20	20°23	6°53	12° 2	12°37	13°58	16°17	15° 9	10° 7	1°51	S 3
M 4	19 13 23	17°43'20	3♈47	0♋ 2	19°52	11°38	20°27	7° 0	12° 5	12°37	13°59	16°15	15° 6	10°14	1°59	M 4
T 5	19 17 19	18°40'36	17°50	0°25	19°D51	11°56	20°31	7° 7	12° 7	12°37	14° 1	16°D14	15° 2	10°21	2° 6	T 5
W 6	19 21 16	19°37'53	2♉ 0	0°55	19°51	12°16	20°35	7°15	12°10	12°37	14° 3	16°15	14°59	10°27	2°13	W 6
T 7	19 25 13	20°35'11	16°17	1°30	19°55	12°35	20°40	7°22	12°13	12°37	14° 5	16°16	14°56	10°34	2°20	T 7
F 8	19 29 9	21°32'30	0♊37	2°11	20° 0	12°56	20°45	7°30	12°15	12°37	14° 6	16°17	14°53	10°41	2°28	F 8
S 9	19 33 6	22°29'50	14°58	2°58	20° 8	13°17	20°50	7°37	12°18	12°37	14° 8	16°R18	14°50	10°47	2°35	S 9
S 10	19 37 2	23°27'11	29°16	3°51	20°18	13°38	20°55	7°45	12°21	12°R37	14°10	16°18	14°47	10°54	2°43	S 10
M11	19 40 59	24°24'33	13♋27	4°49	20°29	14° 0	21° 0	7°52	12°24	12°37	14°12	16°15	14°43	11° 1	2°50	M11
T 12	19 44 55	25°21'56	27°25	5°53	20°43	14°22	21° 5	8° 0	12°26	12°37	14°14	16°11	14°40	11° 7	2°57	T 12
W13	19 48 52	26°19'20	11♌ 8	7° 2	20°59	14°45	21°11	8° 7	12°29	12°37	14°16	16° 5	14°37	11°14	3° 5	W13
T 14	19 52 48	27°16'44	24°32	8°16	21°17	15° 8	21°16	8°15	12°32	12°37	14°17	15°59	14°34	11°21	3°12	T 14
F 15	19 56 45	28°14'10	7♍35	9°35	21°37	15°32	21°22	8°23	12°35	12°37	14°19	15°52	14°31	11°27	3°20	F 15
S 16	20 0 42	29°11'36	20°18	11° 0	21°58	15°56	21°28	8°30	12°38	12°37	14°21	15°45	14°27	11°34	3°27	S 16
S 17	20 4 38	0♌ 9'02	2♎43	12°29	22°21	16°21	21°34	8°38	12°41	12°37	14°23	15°40	14°24	11°41	3°35	S 17
M18	20 8 35	1° 6'30	14°53	14° 3	22°46	16°46	21°40	8°45	12°44	12°36	14°25	15°37	14°21	11°47	3°42	M18
T 19	20 12 31	2° 3'58	26°51	15°40	23°12	17°12	21°47	8°53	12°47	12°36	14°27	15°D35	14°18	11°54	3°49	T 19
W20	20 16 28	3° 1'27	8♏42	17°22	23°40	17°38	21°53	9° 1	12°50	12°36	14°29	15°35	14°15	12° 1	3°57	W20
T 21	20 20 24	3°58'57	20°32	19° 8	24° 9	18° 4	22° 0	9° 8	12°53	12°35	14°31	15°37	14°12	12° 7	4° 4	T 21
F 22	20 24 21	4°56'28	2♐26	20°56	24°40	18°31	22° 6	9°16	12°57	12°35	14°32	15°38	14° 8	12°14	4°12	F 22
S 23	20 28 17	5°54'00	14°28	22°48	25°13	18°58	22°13	9°24	13° 0	12°35	14°34	15°R38	14° 5	12°21	4°19	S 23
S 24	20 32 14	6°51'33	26°43	24°42	25°46	19°26	22°20	9°31	13° 3	12°34	14°36	15°38	14° 2	12°27	4°27	S 24
M25	20 36 11	7°49'07	9♑15	26°39	26°21	19°54	22°28	9°39	13° 6	12°34	14°38	15°35	13°59	12°34	4°34	M25
T 26	20 40 7	8°46'42	22° 5	28°37	26°57	20°22	22°35	9°47	13° 9	12°33	14°40	15°30	13°56	12°41	4°42	T 26
W27	20 44 4	9°44'19	5♒14	0♌36	27°35	20°51	22°42	9°54	13°13	12°33	14°42	15°24	13°53	12°47	4°49	W27
T 28	20 48 0	10°41'56	18°42	2°37	28°13	21°20	22°50	10° 2	13°16	12°32	14°44	15°15	13°49	12°54	4°57	T 28
F 29	20 51 57	11°39'35	2♓26	4°38	28°53	21°50	22°58	10°10	13°19	12°31	14°46	15° 6	13°46	13° 1	5° 4	F 29
S 30	20 55 53	12°37'15	16°22	6°40	29°33	22°20	23° 5	10°17	13°23	12°31	14°48	14°57	13°43	13° 7	5°12	S 30
S 31	20 59 50	13♌34'57	0♈28	8♌41	0♋15	22♏50	23♎13	10♌25	13♍26	12♈30	14♌50	14♐49	13♐40	13♏14	5♌19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22n43	9s31	4n46	19n26	4s 6	17n50	5s21	17s21	2s21	6s49	1n14	19n32	0n52	7n48	0n45	3n26	1s42	26n 6	9n49	22s51	22s43	17s40	14n13	5s49	F 1
S 2	22 36	4 31	5 8	19 37	3 55	17 46	5 25	17 27	2 22	6 50	1 13	19 30	0 52	7 47	0 45	3 26	1 42	26 5	9 49	22 50	22 43	17 42	14 11	5 49	S 2
S 3	22 29	0n46	5 12	19 48	3 44	17 42	5 28	17 33	2 23	6 52	1 13	19 28	0 52	7 46	0 45	3 26	1 42	26 5	9 49	22 50	22 43	17 43	14 10	5 49	S 3
M 4	22 22	6 4	4 58	20 1	3 32	17 39	5 31	17 40	2 23	6 54	1 13	19 26	0 52	7 45	0 45	3 26	1 43	26 4	9 49	22 50	22 42	17 45	14 8	5 48	M 4
T 5	22 14	11 8	4 27	20 14	3 19	17 37	5 33	17 46	2 24	6 56	1 13	19 25	0 52	7 44	0 45	3 26	1 43	26 3	9 49	22 50	22 42	17 46	14 7	5 48	T 5
W 6	22 6	15 38	3 39	20 27	3 5	17 35	5 35	17 53	2 25	6 58	1 12	19 23	0 52	7 43	0 45	3 26	1 43	26 3	9 49	22 50	22 41	17 47	14 6	5 48	W 6
T 7	21 57	19 17	2 37	20 40	2 52	17 34	5 36	17 59	2 25	7 0	1 12	19 21	0 52	7 42	0 45	3 26	1 43	26 2	9 49	22 50	22 41	17 49	14 4	5 48	T 7
F 8	21 49	21 45	1 25	20 54	2 37	17 34	5 37	18 6	2 26	7 2	1 12	19 19	0 52	7 41	0 45	3 26	1 43	26 2	9 49	22 50	22 41	17 50	14 3	5 48	F 8
S 9	21 39	22 49	0 7	21 8	2 23	17 34	5 37	18 13	2 26	7 4	1 11	19 17	0 52	7 40	0 45	3 26	1 43	26 1	9 49	22 50	22 40	17 52	14 1	5 48	S 9
S 10	21 30	22 22	1s10	21 21	2 8	17 35	5 37	18 20	2 27	7 6	1 11	19 15	0 52	7 39	0 45	3 26	1 43	26 1	9 49	22 50	22 40	17 53	14 0	5 48	S 10
M11	21 20	20 30	2 22	21 34	1 53	17 36	5 37	18 27	2 27	7 8	1 11	19 13	0 53	7 37	0 45	3 26	1 43	26 0	9 49	22 50	22 40	17 55	13 58	5 48	M11
T 12	21 9	17 25	3 25	21 47	1 38	17 37	5 37	18 34	2 28	7 10	1 11	19 11	0 53	7 36	0 44	3 26	1 43	25 59	9 49	22 49	22 39	17 56	13 56	5 47	T 12
W13	20 59	13 26	4 14	21 58	1 23	17 39	5 36	18 41	2 28	7 12	1 10	19 10	0 53	7 35	0 44	3 25	1 43	25 59	9 49	22 49	22 39	17 57	13 55	5 47	W13
T 14	20 48	8 52	4 48	22 9	1 8	17 41	5 34	18 49	2 29	7 15	1 10	19 8	0 53	7 34	0 44	3 25	1 43	25 58	9 49	22 48	22 39	17 59	13 53	5 47	T 14
F 15	20 36	4 1	5 6	22 18	0 54	17 44	5 33	18 56	2 29	7 17	1 10	19 6	0 53	7 33	0 44	3 25	1 43	25 58	9 49	22 47	22 38	18 0	13 52	5 47	F 15
S 16	20 24	0s52	5 8	22 26	0 39	17 47	5 31	19 4	2 29	7 20	1 10	19 4	0 53	7 32	0 44	3 25	1 43	25 57	9 49	22 47	22 38	18 2	13 50	5 47	S 16
S 17	20 12	5 36	4 56	22 32	0 25	17 51	5 29	19 11	2 30	7 22	1 9	19 2	0 53	7 31	0 44	3 25	1 43	25 57	9 49	22 46	22 38	18 3	13 48	5 47	S 17
M18	20 0	10 2	4 30	22 36	0 12	17 54	5 27	19 19	2 30	7 25	1 9	19 0	0 53	7 29	0 44	3 25	1 43	25 56	9 49	22 46	22 37	18 4	13 47	5 47	M18
T 19	19 47	14 0	3 53	22 38	0n 1	17 58	5 24	19 26	2 30	7 27	1 9	18 58	0 53	7 28	0 44	3 25	1 43	25 55	9 49	22 45	22 37	18 6	13 45	5 47	T 19
W20	19 34	17 24	3 6	22 38	0 13	18 2	5 21	19 34	2 31	7 30	1 9	18 56	0 53	7 27	0 44	3 25	1 44	25 55	9 49	22 45	22 36	18 7	13 44	5 47	W20
T 21	19 20	20 4	2 11	22 35	0 25	18 6	5 19	19 42	2 31	7 33	1 8	18 54	0 53	7 26	0 44	3 24	1 44	25 54	9 49	22 46	22 36	18 8	13 42	5 47	T 21
F 22	19 7	21 53	1 11	22 30	0 36	18 11	5 15	19 50	2 31	7 35	1 8	18 52	0 53	7 24	0 44	3 24	1 44	25 54	9 49	22 46	22 36	18 10	13 40	5 47	F 22
S 23	18 53	22 44	0 6	22 22	0 47	18 15	5 12	19 57	2 31	7 38	1 8	18 50	0 53	7 23	0 44	3 24	1 44	25 53	9 49	22 46	22 35	18 11	13 38	5 47	S 23
S 24	18 38	22 31	0n59	22 12	0 56	18 20	5 9	20 5	2 31	7 41	1 8	18 48	0 53	7 22	0 44	3 24	1 44	25 53	9 49	22 46	22 35	18 13	13 37	5 47	S 24
M25	18 23	21 10	2 4	21 59	1 5	18 25	5 5	20 13	2 32	7 44	1 8	18 46	0 53	7 21	0 44	3 23	1 44	25 52	9 49	22 45	22 35	18 14	13 35	5 47	M25
T 26	18 8	18 43	3 3	21 43	1 13	18 29	5 1	20 21	2 32	7 47	1 7	18 44	0 54	7 19	0 44	3 23	1 44	25 51	9 49	22 45	22 34	18 15	13 33	5 47	T 26
W27	17 53	15 15	3 54	21 24	1 20	18 34	4 57	20 29	2 32	7 50	1 7	18 42	0 54	7 18	0 44	3 23	1 44	25 51	9 49	22 44	22 34	18 17	13 31	5 47	W27
T 28	17 38	10 57	4 33	21 3	1 26	18 39	4 53	20 37	2 32	7 53	1 7	18 40	0 54	7 17	0 44	3 23	1 44	25 50	9 49	22 43	22 33	18 18	13 30	5 47	T 28
F 29	17 22	6 1	4 58	20 40	1 31	18 43	4 49	20 45	2 32	7 56	1 7	18 38	0 54	7 16	0 44	3 22	1 44	25 50	9 49	22 42	22 33	18 19	13 28	5 47	F 29
S 30	17 6	0 43	5 5	20 14	1 36	18 48	4 44	20 53	2 32	7 59	1 6	18 36	0 54	7 14	0 44	3 22	1 44	25 49	9 49	22 41	22 33	18 21	13 26	5 47	S 30
S 31	16n49	4n40	4n54	19n46	1n39	18n52	4s40	21s 0	2s32	8s 2	1n 6	18n34	0n54	7n13	0n44	3n22	1s44	25n49	9n49	22s40	22s32	18s22	13n24	5s47	S 31

Julian Day Number = 2163556.5, Delta T = 12m58s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'43, Lahiri = 12°51'44 Julian Calendar 1 July 1211 == Greg. Calendar 8 July 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

AUGUST 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 3 46	14♌32'40	14♈38	10♌43	0♋58	23♏20	23♎21	10♌32	13♍29	12°R29	14♌52	14°R44	13♐37	13♏21	5♌26	M 1
T 2	21 7 43	15°30'25	28°50	12°44	1°42	23°51	23°30	10°40	13°33	12♈29	14°54	14♐41	13°33	13°27	5°34	T 2
W 3	21 11 40	16°28'12	13♉ 0	14°45	2°26	24°22	23°38	10°48	13°36	12°28	14°56	14°D39	13°30	13°34	5°41	W 3
T 4	21 15 36	17°26'01	27° 8	16°45	3°12	24°53	23°46	10°55	13°40	12°27	14°57	14°40	13°27	13°41	5°49	T 4
F 5	21 19 33	18°23'52	11♊11	18°44	3°59	25°25	23°55	11° 3	13°43	12°26	14°59	14°R40	13°24	13°47	5°56	F 5
S 6	21 23 29	19°21'44	25°10	20°42	4°46	25°57	24° 3	11°11	13°47	12°26	15° 1	14°40	13°21	13°54	6° 4	S 6
S 7	21 27 26	20°19'38	9♋ 3	22°39	5°34	26°30	24°12	11°18	13°50	12°25	15° 3	14°37	13°18	14° 1	6°11	S 7
M 8	21 31 22	21°17'34	22°48	24°35	6°23	27° 2	24°21	11°26	13°54	12°24	15° 5	14°33	13°14	14° 7	6°18	M 8
T 9	21 35 19	22°15'32	6♌23	26°30	7°12	27°35	24°30	11°33	13°57	12°23	15° 7	14°25	13°11	14°14	6°26	T 9
W10	21 39 15	23°13'32	19°46	28°23	8° 3	28° 8	24°39	11°41	14° 1	12°22	15° 9	14°15	13° 8	14°21	6°33	W10
T 11	21 43 12	24°11'32	2♍54	0♍15	8°54	28°42	24°48	11°49	14° 5	12°21	15°11	14° 4	13° 5	14°27	6°40	T 11
F 12	21 47 9	25° 9'35	15°47	2° 6	9°46	29°16	24°58	11°56	14° 8	12°20	15°13	13°52	13° 2	14°34	6°48	F 12
S 13	21 51 5	26° 7'39	28°23	3°56	10°38	29°50	25° 7	12° 4	14°12	12°19	15°15	13°40	12°59	14°41	6°55	S 13
S 14	21 55 2	27° 5'45	10♎43	5°45	11°31	0♐24	25°17	12°11	14°16	12°18	15°17	13°30	12°55	14°47	7° 2	S 14
M15	21 58 58	28° 3'52	22°50	7°32	12°24	0°58	25°26	12°19	14°19	12°17	15°19	13°23	12°52	14°54	7° 9	M15
T 16	22 2 55	29° 2'01	4♏46	9°18	13°19	1°33	25°36	12°26	14°23	12°16	15°20	13°18	12°49	15° 1	7°17	T 16
W17	22 6 51	0♍ 0'11	16°36	11° 3	14°13	2° 8	25°46	12°34	14°27	12°15	15°22	13°16	12°46	15° 7	7°24	W17
T 18	22 10 48	0°58'23	28°24	12°47	15° 9	2°44	25°56	12°41	14°30	12°13	15°24	13°D15	12°43	15°14	7°31	T 18
F 19	22 14 44	1°56'36	10♐17	14°29	16° 4	3°19	26° 6	12°48	14°34	12°12	15°26	13°R15	12°39	15°21	7°38	F 19
S 20	22 18 41	2°54'51	22°20	16°10	17° 1	3°55	26°16	12°56	14°38	12°11	15°28	13°15	12°36	15°27	7°45	S 20
S 21	22 22 38	3°53'08	4♑37	17°51	17°57	4°31	26°26	13° 3	14°41	12°10	15°30	13°13	12°33	15°34	7°52	S 21
M22	22 26 34	4°51'26	17°14	19°29	18°55	5° 7	26°36	13°10	14°45	12° 9	15°32	13°10	12°30	15°41	7°59	M22
T 23	22 30 31	5°49'46	0♒13	21° 7	19°52	5°44	26°47	13°18	14°49	12° 7	15°33	13° 3	12°27	15°47	8° 6	T 23
W24	22 34 27	6°48'07	13°36	22°44	20°51	6°20	26°57	13°25	14°53	12° 6	15°35	12°54	12°24	15°54	8°13	W24
T 25	22 38 24	7°46'30	27°24	24°19	21°49	6°57	27° 8	13°32	14°56	12° 5	15°37	12°44	12°20	16° 1	8°20	T 25
F 26	22 42 20	8°44'55	11♓32	25°54	22°48	7°34	27°18	13°39	15° 0	12° 4	15°39	12°32	12°17	16° 7	8°27	F 26
S 27	22 46 17	9°43'22	25°55	27°27	23°48	8°11	27°29	13°47	15° 4	12° 2	15°41	12°20	12°14	16°14	8°34	S 27
S 28	22 50 13	10°41'51	10♈27	29° 0	24°48	8°49	27°40	13°54	15° 8	12° 1	15°42	12°10	12°11	16°21	8°41	S 28
M29	22 54 10	11°40'22	25° 1	0♎31	25°48	9°27	27°51	14° 1	15°11	11°59	15°44	12° 2	12° 8	16°27	8°47	M29
T 30	22 58 6	12°38'55	9♉31	2° 1	26°49	10° 4	28° 2	14° 8	15°15	11°58	15°46	11°57	12° 4	16°34	8°54	T 30
W31	23 2 3	13♍37'31	23♉53	3♎30	27♋50	10♐42	28♎13	14♌15	15♍19	11♈57	15♌48	11♐55	12♐ 1	16♏41	9♌ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n32	9n51	4n25	19n16	1n42	18n57	4s35	21s 8	2s32	8s 5	1n 6	18n32	0n54	7n12	0n44	3n21	1s44	25n48	9n49	22s40	22s32	18s23	13n22	5s47
T 2	16 15	14 31	3 39	18 44	1 44	19 1	4 31	21 16	2 32	8 9	1 6	18 30	0 54	7 10	0 44	3 21	1 44	25 48	9 49	22 39	22 31	18 25	13 21	5 47
W 3	15 58	18 21	2 41	18 10	1 46	19 5	4 26	21 24	2 32	8 12	1 5	18 28	0 54	7 9	0 44	3 21	1 44	25 47	9 49	22 39	22 31	18 26	13 19	5 47
T 4	15 40	21 6	1 32	17 34	1 46	19 9	4 21	21 32	2 32	8 15	1 5	18 26	0 54	7 8	0 44	3 20	1 44	25 47	9 49	22 39	22 31	18 27	13 17	5 47
F 5	15 23	22 31	0 19	16 57	1 46	19 13	4 16	21 39	2 32	8 19	1 5	18 24	0 54	7 6	0 44	3 20	1 44	25 46	9 49	22 39	22 30	18 28	13 15	5 48
S 6	15 5	22 31	0s56	16 19	1 46	19 16	4 11	21 47	2 32	8 22	1 5	18 22	0 54	7 5	0 44	3 20	1 44	25 46	9 50	22 39	22 30	18 30	13 13	5 48
S 7	14 46	21 8	2 6	15 40	1 44	19 19	4 6	21 55	2 32	8 25	1 5	18 20	0 55	7 3	0 44	3 19	1 45	25 45	9 50	22 39	22 29	18 31	13 11	5 48
M 8	14 28	18 31	3 8	14 59	1 42	19 22	4 1	22 2	2 32	8 29	1 4	18 18	0 55	7 2	0 44	3 19	1 45	25 45	9 50	22 38	22 29	18 32	13 9	5 48
T 9	14 9	14 54	3 59	14 18	1 40	19 25	3 56	22 10	2 32	8 32	1 4	18 16	0 55	7 1	0 44	3 18	1 45	25 44	9 50	22 38	22 29	18 34	13 8	5 48
W10	13 50	10 36	4 35	13 36	1 37	19 27	3 51	22 18	2 32	8 36	1 4	18 14	0 55	6 59	0 44	3 18	1 45	25 44	9 50	22 36	22 28	18 35	13 6	5 48
T 11	13 31	5 52	4 56	12 53	1 34	19 29	3 45	22 25	2 32	8 39	1 4	18 12	0 55	6 58	0 44	3 18	1 45	25 43	9 50	22 35	22 28	18 36	13 4	5 48
F 12	13 11	1 0	5 2	12 10	1 30	19 31	3 40	22 32	2 31	8 43	1 4	18 10	0 55	6 56	0 44	3 17	1 45	25 43	9 50	22 34	22 27	18 37	13 2	5 48
S 13	12 52	3s49	4 52	11 26	1 26	19 33	3 35	22 40	2 31	8 47	1 3	18 8	0 55	6 55	0 44	3 17	1 45	25 42	9 50	22 32	22 27	18 39	13 0	5 49
S 14	12 32	8 23	4 29	10 42	1 21	19 34	3 29	22 47	2 31	8 50	1 3	18 6	0 55	6 54	0 44	3 16	1 45	25 42	9 50	22 31	22 27	18 40	12 58	5 49
M15	12 12	12 32	3 54	9 57	1 16	19 34	3 24	22 54	2 31	8 54	1 3	18 4	0 55	6 52	0 44	3 16	1 45	25 41	9 51	22 30	22 26	18 41	12 56	5 49
T 16	11 52	16 8	3 9	9 12	1 11	19 35	3 18	23 1	2 31	8 58	1 3	18 2	0 55	6 51	0 44	3 15	1 45	25 41	9 51	22 30	22 26	18 42	12 54	5 49
W17	11 31	19 3	2 17	8 27	1 5	19 35	3 13	23 8	2 30	9 1	1 3	18 0	0 56	6 49	0 44	3 15	1 45	25 40	9 51	22 29	22 25	18 44	12 52	5 49
T 18	11 10	21 9	1 18	7 42	0 59	19 34	3 7	23 15	2 30	9 5	1 2	17 58	0 56	6 48	0 44	3 14	1 45	25 40	9 51	22 29	22 25	18 45	12 50	5 49
F 19	10 50	22 21	0 16	6 57	0 53	19 33	3 2	23 22	2 30	9 9	1 2	17 56	0 56	6 46	0 44	3 14	1 45	25 39	9 51	22 29	22 25	18 46	12 48	5 50
S 20	10 29	22 31	0n48	6 12	0 47	19 32	2 56	23 28	2 30	9 13	1 2	17 54	0 56	6 45	0 44	3 13	1 45	25 39	9 51	22 29	22 24	18 47	12 46	5 50
S 21	10 8	21 37	1 51	5 27	0 41	19 30	2 51	23 35	2 29	9 17	1 2	17 52	0 56	6 44	0 44	3 13	1 45	25 39	9 51	22 29	22 24	18 48	12 44	5 50
M22	9 46	19 37	2 50	4 42	0 34	19 28	2 45	23 41	2 29	9 21	1 2	17 50	0 56	6 42	0 44	3 12	1 45	25 38	9 52	22 28	22 23	18 50	12 42	5 50
T 23	9 25	16 35	3 41	3 57	0 27	19 26	2 40	23 48	2 29	9 25	1 2	17 48	0 56	6 41	0 44	3 12	1 45	25 38	9 52	22 28	22 23	18 51	12 40	5 50
W24	9 3	12 37	4 23	3 12	0 20	19 23	2 34	23 54	2 28	9 29	1 1	17 46	0 56	6 39	0 44	3 11	1 45	25 37	9 52	22 27	22 23	18 52	12 38	5 51
T 25	8 41	7 53	4 50	2 28	0 13	19 19	2 29	24 0	2 28	9 32	1 1	17 44	0 56	6 38	0 44	3 11	1 45	25 37	9 52	22 25	22 22	18 53	12 36	5 51
F 26	8 19	2 38	5 0	1 43	0 6	19 15	2 23	24 6	2 28	9 36	1 1	17 42	0 57	6 36	0 44	3 10	1 45	25 37	9 52	22 24	22 22	18 54	12 34	5 51
S 27	7 57	2n50	4 52	0 59	0s 2	19 11	2 17	24 11	2 27	9 40	1 1	17 40	0 57	6 35	0 44	3 10	1 45	25 36	9 52	22 22	22 21	18 56	12 32	5 51
S 28	7 35	8 13	4 25	0 16	0 9	19 6	2 12	24 17	2 27	9 45	1 1	17 38	0 57	6 33	0 44	3 9	1 45	25 36	9 53	22 21	22 21	18 57	12 30	5 52
M29	7 13	13 9	3 41	0s28	0 17	19 0	2 6	24 23	2 27	9 49	1 1	17 36	0 57	6 32	0 44	3 8	1 46	25 35	9 53	22 20	22 21	18 58	12 28	5 52
T 30	6 50	17 17	2 42	1 11	0 25	18 54	2 1	24 28	2 26	9 53	1 0	17 34	0 57	6 30	0 44	3 8	1 46	25 35	9 53	22 19	22 20	18 59	12 26	5 52
W31	6n28	20n20	1n34	1s53	0s32	18n48	1s55	24s33	2s26	9s57	1n 0	17n32	0n57	6n29	0n44	3n 7	1s46	25n35	9n53	22s19	22s20	19s 0	12n24	5s53

Julian Day Number = 2163587.5, Delta T = 12m58s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'47, Lahiri = 12°51'48 Julian Calendar 1 Aug. 1211 == Greg. Calendar 8 Aug. 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

SEPTEMBER 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 0	14♍36'08	8♊ 3	4♎58	28♋52	11♐21	28♎24	14♌22	15♍23	11°R55	15♌49	11°R55	11♐58	16♏47	9♌ 8	T 1
F 2	23 9 56	15°34'49	22° 2	6°25	29°53	11°59	28°35	14°29	15°27	11♈54	15°51	11♐55	11°55	16°54	9°14	F 2
S 3	23 13 53	16°33'31	5♋48	7°50	0♌56	12°38	28°46	14°36	15°30	11°52	15°53	11°54	11°52	17° 1	9°21	S 3
S 4	23 17 49	17°32'16	19°22	9°15	1°58	13°16	28°57	14°43	15°34	11°51	15°55	11°51	11°49	17° 7	9°27	S 4
M 5	23 21 46	18°31'03	2♌45	10°38	3° 1	13°55	29° 9	14°50	15°38	11°49	15°56	11°45	11°45	17°14	9°34	M 5
T 6	23 25 42	19°29'52	15°57	12° 1	4° 4	14°34	29°20	14°56	15°42	11°48	15°58	11°37	11°42	17°21	9°40	T 6
W 7	23 29 39	20°28'43	28°58	13°22	5° 7	15°14	29°32	15° 3	15°45	11°46	16° 0	11°26	11°39	17°27	9°47	W 7
T 8	23 33 35	21°27'37	11♍47	14°42	6°11	15°53	29°43	15°10	15°49	11°45	16° 1	11°13	11°36	17°34	9°53	T 8
F 9	23 37 32	22°26'33	24°23	16° 0	7°15	16°33	29°55	15°16	15°53	11°43	16° 3	10°59	11°33	17°41	10° 0	F 9
S 10	23 41 29	23°25'30	6♎47	17°17	8°20	17°12	0♏ 7	15°23	15°57	11°42	16° 5	10°47	11°30	17°47	10° 6	S 10
S 11	23 45 25	24°24'30	18°58	18°33	9°24	17°52	0°19	15°30	16° 0	11°40	16° 6	10°35	11°26	17°54	10°12	S 11
M12	23 49 22	25°23'31	0♏59	19°47	10°29	18°32	0°31	15°36	16° 4	11°38	16° 8	10°27	11°23	18° 0	10°18	M12
T 13	23 53 18	26°22'35	12°52	21° 0	11°34	19°13	0°43	15°43	16° 8	11°37	16° 9	10°21	11°20	18° 7	10°24	T 13
W14	23 57 15	27°21'40	24°39	22°11	12°40	19°53	0°55	15°49	16°12	11°35	16°11	10°18	11°17	18°14	10°30	W14
T 15	0 1 11	28°20'48	6♐26	23°20	13°45	20°33	1° 7	15°55	16°15	11°34	16°12	10°D17	11°14	18°20	10°36	T 15
F 16	0 5 8	29°19'57	18°17	24°27	14°51	21°14	1°19	16° 2	16°19	11°32	16°14	10°17	11°10	18°27	10°42	F 16
S 17	0 9 4	0♎19'08	0♑17	25°32	15°57	21°55	1°31	16° 8	16°23	11°30	16°15	10°R17	11° 7	18°34	10°48	S 17
S 18	0 13 1	1°18'21	12°33	26°35	17° 4	22°36	1°43	16°14	16°27	11°29	16°17	10°16	11° 4	18°40	10°54	S 18
M19	0 16 58	2°17'36	25° 8	27°35	18°10	23°17	1°55	16°20	16°30	11°27	16°18	10°14	11° 1	18°47	11° 0	M19
T 20	0 20 54	3°16'52	8♒ 8	28°33	19°17	23°58	2° 8	16°26	16°34	11°25	16°20	10° 9	10°58	18°54	11° 5	T 20
W21	0 24 51	4°16'10	21°35	29°28	20°24	24°39	2°20	16°32	16°38	11°24	16°21	10° 2	10°55	19° 0	11°11	W21
T 22	0 28 47	5°15'30	5♓31	0♏20	21°31	25°21	2°32	16°38	16°41	11°22	16°22	9°53	10°51	19° 7	11°17	T 22
F 23	0 32 44	6°14'52	19°52	1° 8	22°39	26° 2	2°45	16°44	16°45	11°20	16°24	9°43	10°48	19°14	11°22	F 23
S 24	0 36 40	7°14'16	4♈34	1°52	23°46	26°44	2°57	16°50	16°48	11°19	16°25	9°33	10°45	19°20	11°27	S 24
S 25	0 40 37	8°13'43	19°28	2°32	24°54	27°26	3°10	16°56	16°52	11°17	16°26	9°25	10°42	19°27	11°33	S 25
M26	0 44 33	9°13'11	4♉27	3° 8	26° 2	28° 8	3°23	17° 1	16°56	11°15	16°28	9°18	10°39	19°34	11°38	M26
T 27	0 48 30	10°12'41	19°21	3°38	27°10	28°50	3°35	17° 7	16°59	11°14	16°29	9°14	10°36	19°40	11°43	T 27
W28	0 52 26	11°12'14	4♊ 2	4° 3	28°19	29°32	3°48	17°12	17° 3	11°12	16°30	9°D12	10°32	19°47	11°48	W28
T 29	0 56 23	12°11'49	18°27	4°22	29°27	0♑14	4° 1	17°18	17° 6	11°10	16°32	9°13	10°29	19°54	11°54	T 29
F 30	1 0 20	13♎11'27	2♋32	4♏35	0♍36	0♑56	4♏13	17♌23	17♍10	11♈ 9	16♌33	9♐13	10♐26	20♏ 0	11♌59	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 5	22n 5	0n20	2s36	0s40	18n41	1s50	24s38	2s25	10s 1	1n 0	17n30	0n57	6n27	0n44	3n 7	1s46	25n34	9n53	22s19	22s19	19s 1	12n22	5s53
F 2	5 42	22 25	0s53	3 17	0 48	18 33	1 45	24 43	2 25	10 5	1 0	17 28	0 57	6 26	0 44	3 6	1 46	25 34	9 54	22 19	22 19	19 3	12 20	5 53
S 3	5 20	21 22	2 3	3 58	0 56	18 25	1 39	24 48	2 25	10 9	1 0	17 26	0 58	6 24	0 44	3 6	1 46	25 34	9 54	22 19	22 18	19 4	12 18	5 54
S 4	4 57	19 6	3 4	4 39	1 3	18 17	1 34	24 52	2 24	10 13	1 0	17 25	0 58	6 23	0 44	3 5	1 46	25 33	9 54	22 18	22 18	19 5	12 16	5 54
M 5	4 34	15 49	3 54	5 19	1 11	18 8	1 28	24 57	2 24	10 18	0 59	17 23	0 58	6 22	0 44	3 4	1 46	25 33	9 54	22 18	22 18	19 6	12 14	5 54
T 6	4 10	11 48	4 31	5 59	1 19	17 59	1 23	25 1	2 23	10 22	0 59	17 21	0 58	6 20	0 44	3 4	1 46	25 33	9 55	22 16	22 17	19 7	12 12	5 54
W 7	3 47	7 18	4 54	6 37	1 26	17 49	1 18	25 5	2 23	10 26	0 59	17 19	0 58	6 19	0 44	3 3	1 46	25 32	9 55	22 15	22 17	19 8	12 10	5 55
T 8	3 24	2 33	5 1	7 16	1 34	17 38	1 12	25 9	2 22	10 30	0 59	17 17	0 58	6 17	0 44	3 2	1 46	25 32	9 55	22 13	22 16	19 9	12 8	5 55
F 9	3 1	2s14	4 53	7 53	1 42	17 27	1 7	25 12	2 22	10 34	0 59	17 15	0 58	6 16	0 44	3 2	1 46	25 32	9 55	22 11	22 16	19 11	12 6	5 56
S 10	2 37	6 50	4 31	8 30	1 49	17 16	1 2	25 16	2 21	10 39	0 59	17 13	0 59	6 14	0 44	3 1	1 46	25 32	9 55	22 9	22 15	19 12	12 4	5 56
S 11	2 14	11 6	3 57	9 6	1 56	17 4	0 57	25 19	2 21	10 43	0 59	17 12	0 59	6 13	0 44	3 1	1 46	25 31	9 56	22 8	22 15	19 13	12 2	5 56
M12	1 50	14 52	3 13	9 41	2 4	16 51	0 52	25 22	2 20	10 47	0 58	17 10	0 59	6 11	0 44	3 0	1 46	25 31	9 56	22 7	22 14	19 14	12 0	5 57
T 13	1 27	17 59	2 20	10 15	2 11	16 38	0 47	25 25	2 20	10 52	0 58	17 8	0 59	6 10	0 44	2 59	1 46	25 31	9 56	22 6	22 14	19 15	11 58	5 57
W14	1 3	20 20	1 22	10 48	2 17	16 25	0 42	25 28	2 19	10 56	0 58	17 6	0 59	6 8	0 44	2 59	1 46	25 31	9 56	22 5	22 14	19 16	11 56	5 57
T 15	0 40	21 49	0 20	11 20	2 24	16 11	0 37	25 30	2 19	11 0	0 58	17 4	0 59	6 7	0 44	2 58	1 46	25 30	9 57	22 5	22 13	19 17	11 54	5 58
F 16	0 16	22 19	0n43	11 51	2 31	15 56	0 32	25 33	2 18	11 5	0 58	17 3	0 59	6 6	0 44	2 57	1 46	25 30	9 57	22 5	22 13	19 18	11 53	5 58
S 17	0s 8	21 48	1 45	12 21	2 37	15 41	0 27	25 35	2 17	11 9	0 58	17 1	1 0	6 4	0 44	2 57	1 46	25 30	9 57	22 5	22 12	19 19	11 51	5 59
S 18	0 31	20 14	2 43	12 49	2 43	15 26	0 22	25 36	2 17	11 13	0 58	16 59	1 0	6 3	0 44	2 56	1 46	25 30	9 58	22 5	22 12	19 20	11 49	5 59
M19	0 55	17 40	3 35	13 17	2 48	15 10	0 18	25 38	2 16	11 18	0 57	16 58	1 0	6 1	0 44	2 55	1 46	25 30	9 58	22 5	22 11	19 22	11 47	5 59
T 20	1 19	14 9	4 18	13 42	2 54	14 54	0 13	25 40	2 16	11 22	0 57	16 56	1 0	6 0	0 44	2 55	1 46	25 29	9 58	22 4	22 11	19 23	11 45	6 0
W21	1 42	9 49	4 48	14 7	2 59	14 37	0 8	25 41	2 15	11 26	0 57	16 54	1 0	5 58	0 44	2 54	1 46	25 29	9 58	22 3	22 11	19 24	11 43	6 0
T 22	2 6	4 50	5 3	14 29	3 3	14 20	0 4	25 42	2 14	11 31	0 57	16 53	1 0	5 57	0 44	2 53	1 46	25 29	9 59	22 2	22 10	19 25	11 41	6 1
F 23	2 29	0n33	4 59	14 50	3 7	14 2	0n 0	25 42	2 14	11 35	0 57	16 51	1 0	5 56	0 44	2 53	1 46	25 29	9 59	22 0	22 10	19 26	11 39	6 1
S 24	2 53	6 2	4 36	15 9	3 10	13 44	0 5	25 43	2 13	11 40	0 57	16 49	1 1	5 54	0 44	2 52	1 46	25 29	9 59	21 59	22 9	19 27	11 37	6 2
S 25	3 17	11 15	3 53	15 25	3 13	13 25	0 9	25 43	2 12	11 44	0 57	16 48	1 1	5 53	0 44	2 51	1 46	25 29	10 0	21 57	22 9	19 28	11 35	6 2
M26	3 40	15 48	2 55	15 40	3 15	13 6	0 13	25 43	2 12	11 48	0 57	16 46	1 1	5 51	0 44	2 51	1 46	25 28	10 0	21 56	22 8	19 29	11 33	6 3
T 27	4 4	19 19	1 44	15 52	3 17	12 47	0 18	25 43	2 11	11 53	0 57	16 45	1 1	5 50	0 44	2 50	1 46	25 28	10 0	21 56	22 8	19 30	11 31	6 3
W28	4 27	21 30	0 28	16 1	3 17	12 27	0 22	25 43	2 10	11 57	0 56	16 43	1 1	5 49	0 44	2 49	1 46	25 28	10 0	21 55	22 7	19 31	11 30	6 4
T 29	4 50	22 13	0s49	16 7	3 17	12 7	0 26	25 42	2 10	12 2	0 56	16 41	1 1	5 47	0 44	2 49	1 46	25 28	10 1	21 56	22 7	19 32	11 28	6 4
F 30	5s14	21n29	2s 2	16s10	3s15	11n46	0n30	25s41	2s 9	12s 6	0n56	16n40	1n 2	5n46	0n44	2n48	1s46	25n28	10n 1	21s56	22s 6	19s33	11n26	6s 5

Julian Day Number = 2163618.5, Delta T = 12m58s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'52, Lahiri = 12°51'52 Julian Calendar 1 Sept. 1211 == Greg. Calendar 8 Sept. 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

OCTOBER 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 4 16	14♎11'07	16♋18	4°R40	1♍45	1♑39	4♏26	17♌29	17♍13	11°R 7	16♌34	9°R14	10♐23	20♏ 7	12♌ 4	S 1
S 2	1 8 13	15°10'49	29°45	4♏38	2°54	2°21	4°39	17°34	17°17	11♈ 5	16°35	9♐13	10°20	20°14	12° 8	S 2
M 3	1 12 9	16°10'34	12♌56	4°28	4° 4	3° 4	4°52	17°39	17°20	11° 4	16°36	9° 9	10°16	20°20	12°13	M 3
T 4	1 16 6	17°10'20	25°51	4° 9	5°13	3°46	5° 5	17°44	17°24	11° 2	16°37	9° 4	10°13	20°27	12°18	T 4
W 5	1 20 2	18°10'09	8♍33	3°41	6°23	4°29	5°18	17°49	17°27	11° 0	16°39	8°56	10°10	20°34	12°22	W 5
T 6	1 23 59	19°10'01	21° 4	3° 4	7°33	5°12	5°31	17°54	17°30	10°59	16°40	8°47	10° 7	20°40	12°27	T 6
F 7	1 27 55	20° 9'54	3♎23	2°18	8°43	5°55	5°44	17°59	17°34	10°57	16°41	8°38	10° 4	20°47	12°32	F 7
S 8	1 31 52	21° 9'49	15°33	1°24	9°53	6°38	5°57	18° 4	17°37	10°55	16°42	8°29	10° 1	20°53	12°36	S 8
S 9	1 35 49	22° 9'46	27°35	0°22	11° 3	7°21	6°10	18° 9	17°40	10°54	16°43	8°21	9°57	21° 0	12°40	S 9
M10	1 39 45	23° 9'46	9♏29	29♎14	12°13	8° 5	6°23	18°13	17°44	10°52	16°44	8°15	9°54	21° 7	12°44	M10
T 11	1 43 42	24° 9'47	21°18	28° 0	13°24	8°48	6°36	18°18	17°47	10°50	16°45	8°11	9°51	21°13	12°49	T 11
W12	1 47 38	25° 9'50	3♐ 4	26°44	14°34	9°31	6°49	18°22	17°50	10°49	16°45	8°D 9	9°48	21°20	12°53	W12
T 13	1 51 35	26° 9'55	14°51	25°26	15°45	10°15	7° 2	18°27	17°53	10°47	16°46	8° 9	9°45	21°27	12°57	T 13
F 14	1 55 31	27°10'01	26°42	24°10	16°56	10°58	7°15	18°31	17°56	10°45	16°47	8°10	9°41	21°33	13° 0	F 14
S 15	1 59 28	28°10'10	8♑41	22°58	18° 7	11°42	7°28	18°35	17°59	10°44	16°48	8°12	9°38	21°40	13° 4	S 15
S 16	2 3 24	29°10'19	20°54	21°52	19°18	12°26	7°42	18°39	18° 3	10°42	16°49	8°13	9°35	21°47	13° 8	S 16
M17	2 7 21	0♏10'31	3♒25	20°55	20°30	13°10	7°55	18°43	18° 6	10°41	16°50	8°R14	9°32	21°53	13°12	M17
T 18	2 11 18	1°10'44	16°20	20° 7	21°41	13°54	8° 8	18°47	18° 9	10°39	16°50	8°13	9°29	22° 0	13°15	T 18
W19	2 15 14	2°10'58	29°41	19°30	22°52	14°38	8°21	18°51	18°12	10°38	16°51	8°10	9°26	22° 7	13°18	W19
T 20	2 19 11	3°11'14	13♓31	19° 4	24° 4	15°22	8°34	18°55	18°15	10°36	16°52	8° 6	9°22	22°13	13°22	T 20
F 21	2 23 7	4°11'31	27°50	18°50	25°16	16° 6	8°48	18°58	18°17	10°35	16°52	8° 1	9°19	22°20	13°25	F 21
S 22	2 27 4	5°11'50	12♈35	18°D48	26°28	16°50	9° 1	19° 2	18°20	10°33	16°53	7°55	9°16	22°27	13°28	S 22
S 23	2 31 0	6°12'11	27°37	18°57	27°39	17°34	9°14	19° 6	18°23	10°32	16°54	7°51	9°13	22°33	13°31	S 23
M24	2 34 57	7°12'33	12♉50	19°16	28°51	18°18	9°28	19° 9	18°26	10°30	16°54	7°48	9°10	22°40	13°34	M24
T 25	2 38 53	8°12'57	28° 2	19°45	0♏ 4	19° 2	9°41	19°12	18°29	10°29	16°55	7°46	9° 7	22°47	13°37	T 25
W26	2 42 50	9°13'23	13♊ 4	20°22	1°16	19°47	9°54	19°15	18°32	10°27	16°55	7°D46	9° 3	22°53	13°40	W26
T 27	2 46 47	10°13'51	27°48	21° 7	2°28	20°31	10° 7	19°18	18°34	10°26	16°56	7°47	9° 0	23° 0	13°42	T 27
F 28	2 50 43	11°14'21	12♋10	21°59	3°41	21°16	10°21	19°21	18°37	10°24	16°56	7°48	8°57	23° 7	13°45	F 28
S 29	2 54 40	12°14'53	26° 6	22°58	4°53	22° 0	10°34	19°24	18°40	10°23	16°57	7°50	8°54	23°13	13°47	S 29
S 30	2 58 36	13°15'26	9♌39	24° 1	6° 6	22°45	10°47	19°27	18°42	10°22	16°57	7°R50	8°51	23°20	13°50	S 30
M31	3 2 33	14♏16'01	22♌48	25♎10	7♎18	23♑29	11♏ 1	19♌30	18♍45	10♈20	16♌58	7♐50	8♐47	23♏26	13♌52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s37	19n28	3s 6	16s 9	3s13	11n25	0n33	25s40	2s 8	12s10	0n56	16n39	1n 2	5n45	0n44	2n47	1s46	25n28	10n 1	21s56	22s 6	19s34	11n24	6s 5
S 2	6 0	16 25	3 57	16 4	3 9	11 4	0 37	25 39	2 7	12 15	0 56	16 37	1 2	5 43	0 44	2 47	1 46	25 28	10 2	21 56	22 6	19 35	11 22	6 6
M 3	6 23	12 36	4 36	15 56	3 3	10 42	0 41	25 37	2 7	12 19	0 56	16 36	1 2	5 42	0 44	2 46	1 46	25 28	10 2	21 55	22 5	19 36	11 20	6 6
T 4	6 46	8 16	4 59	15 43	2 56	10 20	0 45	25 35	2 6	12 24	0 56	16 34	1 2	5 41	0 44	2 45	1 46	25 28	10 2	21 54	22 5	19 37	11 19	6 7
W 5	7 9	3 39	5 7	15 25	2 48	9 57	0 48	25 33	2 5	12 28	0 56	16 33	1 3	5 39	0 44	2 45	1 46	25 28	10 3	21 53	22 4	19 38	11 17	6 7
T 6	7 32	1s 2	5 0	15 3	2 37	9 34	0 51	25 31	2 4	12 32	0 56	16 31	1 3	5 38	0 44	2 44	1 46	25 28	10 3	21 52	22 4	19 39	11 15	6 8
F 7	7 55	5 37	4 39	14 36	2 25	9 11	0 55	25 28	2 4	12 37	0 56	16 30	1 3	5 37	0 44	2 43	1 46	25 28	10 3	21 50	22 3	19 40	11 13	6 8
S 8	8 17	9 55	4 6	14 3	2 11	8 48	0 58	25 25	2 3	12 41	0 55	16 29	1 3	5 35	0 44	2 43	1 46	25 28	10 4	21 49	22 3	19 41	11 12	6 9
S 9	8 40	13 47	3 22	13 27	1 55	8 24	1 1	25 22	2 2	12 46	0 55	16 28	1 3	5 34	0 44	2 42	1 46	25 28	10 4	21 47	22 2	19 42	11 10	6 9
M10	9 2	17 4	2 29	12 46	1 38	8 0	1 4	25 19	2 1	12 50	0 55	16 26	1 3	5 33	0 44	2 42	1 46	25 28	10 4	21 46	22 2	19 43	11 8	6 10
T 11	9 25	19 37	1 30	12 3	1 19	7 35	1 7	25 15	2 1	12 54	0 55	16 25	1 4	5 32	0 44	2 41	1 46	25 28	10 5	21 46	22 1	19 44	11 7	6 10
W12	9 47	21 19	0 28	11 16	0 59	7 11	1 10	25 11	2 0	12 59	0 55	16 24	1 4	5 30	0 44	2 40	1 46	25 28	10 5	21 46	22 1	19 45	11 5	6 11
T 13	10 9	22 4	0n36	10 29	0 39	6 46	1 13	25 7	1 59	13 3	0 55	16 23	1 4	5 29	0 44	2 40	1 46	25 28	10 5	21 46	22 0	19 46	11 3	6 12
F 14	10 30	21 51	1 39	9 42	0 18	6 21	1 16	25 3	1 58	13 8	0 55	16 21	1 4	5 28	0 44	2 39	1 46	25 28	10 6	21 46	22 0	19 47	11 2	6 12
S 15	10 52	20 37	2 39	8 56	0n 2	5 55	1 18	24 58	1 57	13 12	0 55	16 20	1 4	5 27	0 44	2 38	1 46	25 28	10 6	21 46	21 59	19 48	11 0	6 13
S 16	11 14	18 25	3 32	8 13	0 22	5 30	1 21	24 53	1 57	13 16	0 55	16 19	1 5	5 26	0 44	2 38	1 46	25 28	10 6	21 46	21 59	19 49	10 59	6 13
M17	11 35	15 19	4 17	7 34	0 41	5 4	1 24	24 48	1 56	13 21	0 55	16 18	1 5	5 24	0 44	2 37	1 46	25 28	10 7	21 46	21 58	19 50	10 57	6 14
T 18	11 56	11 24	4 50	6 59	0 59	4 38	1 26	24 43	1 55	13 25	0 55	16 17	1 5	5 23	0 44	2 37	1 46	25 28	10 7	21 46	21 58	19 50	10 55	6 15
W19	12 17	6 48	5 9	6 31	1 15	4 11	1 28	24 37	1 54	13 29	0 55	16 16	1 5	5 22	0 44	2 36	1 46	25 28	10 7	21 46	21 57	19 51	10 54	6 15
T 20	12 38	1 43	5 11	6 8	1 29	3 45	1 30	24 32	1 53	13 34	0 55	16 15	1 5	5 21	0 44	2 35	1 46	25 28	10 8	21 45	21 57	19 52	10 52	6 16
F 21	12 58	3n38	4 54	5 51	1 41	3 18	1 32	24 25	1 52	13 38	0 54	16 14	1 5	5 20	0 44	2 35	1 46	25 28	10 8	21 44	21 57	19 53	10 51	6 16
S 22	13 19	8 56	4 17	5 40	1 52	2 51	1 34	24 19	1 51	13 42	0 54	16 13	1 6	5 19	0 44	2 34	1 46	25 29	10 9	21 43	21 56	19 54	10 49	6 17
S 23	13 39	13 49	3 22	5 36	2 0	2 24	1 36	24 13	1 51	13 47	0 54	16 12	1 6	5 18	0 44	2 34	1 46	25 29	10 9	21 43	21 56	19 55	10 48	6 18
M24	13 59	17 52	2 13	5 37	2 7	1 57	1 38	24 6	1 50	13 51	0 54	16 11	1 6	5 16	0 44	2 33	1 46	25 29	10 9	21 42	21 55	19 56	10 47	6 18
T 25	14 18	20 40	0 53	5 43	2 13	1 30	1 40	23 59	1 49	13 55	0 54	16 11	1 6	5 15	0 45	2 33	1 46	25 29	10 10	21 42	21 55	19 57	10 45	6 19
W26	14 38	21 59	0s29	5 53	2 16	1 3	1 41	23 51	1 48	13 59	0 54	16 10	1 6	5 14	0 45	2 32	1 46	25 29	10 10	21 42	21 54	19 58	10 44	6 19
T 27	14 57	21 43	1 48	6 8	2 19	0 35	1 43	23 44	1 47	14 4	0 54	16 9	1 7	5 13	0 45	2 32	1 46	25 29	10 10	21 42	21 54	19 59	10 42	6 20
F 28	15 16	20 1	2 58	6 26	2 20	0 8	1 44	23 36	1 46	14 8	0 54	16 8	1 7	5 12	0 45	2 31	1 46	25 30	10 11	21 42	21 53	19 59	10 41	6 21
S 29	15 35	17 10	3 56	6 48	2 20	0s20	1 46	23 28	1 45	14 12	0 54	16 7	1 7	5 11	0 45	2 31	1 46	25 30	10 11	21 42	21 53	20 0	10 40	6 21
S 30	15 53	13 27	4 38	7 12	2 19	0 48	1 47	23 20	1 44	14 16	0 54	16 7	1 7	5 10	0 45	2 30	1 46	25 30	10 11	21 43	21 52	20 1	10 39	6 22
M31	16s11	9n11	5s 5	7s39	2n17	1s16	1n48	23s11	1s44	14s20	0n54	16n 6	1n 7	5n 9	0n45	2n30	1s46	25n30	10n12	21s43	21s52	20s 2	10n37	6s23

Julian Day Number = 2163648.5, Delta T = 12m58s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°44'56, Lahiri = 12°51'56 Julian Calendar 1 Oct. 1211 == Greg. Calendar 8 Oct. 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

NOVEMBER 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 6 29	15♏16'38	5♍37	26♎22	8♎31	24♑14	11♏14	19♌32	18♍47	10°R19	16♌58	7°R49	8♐44	23♏33	13♌54	T 1
W 2	3 10 26	16°17'17	18° 8	27°38	9°44	24°58	11°27	19°35	18°50	10♈18	16°58	7♐46	8°41	23°40	13°56	W 2
T 3	3 14 22	17°17'57	0♎26	28°56	10°57	25°43	11°40	19°37	18°52	10°16	16°58	7°43	8°38	23°46	13°58	T 3
F 4	3 18 19	18°18'39	12°33	0♏17	12°10	26°28	11°54	19°40	18°54	10°15	16°59	7°40	8°35	23°53	14° 0	F 4
S 5	3 22 16	19°19'23	24°32	1°40	13°23	27°13	12° 7	19°42	18°57	10°14	16°59	7°37	8°32	24° 0	14° 2	S 5
S 6	3 26 12	20°20'08	6♏25	3° 5	14°36	27°58	12°20	19°44	18°59	10°13	16°59	7°34	8°28	24° 6	14° 3	S 6
M 7	3 30 9	21°20'55	18°14	4°31	15°50	28°42	12°33	19°46	19° 1	10°12	16°59	7°32	8°25	24°13	14° 5	M 7
T 8	3 34 5	22°21'43	0♐ 2	5°59	17° 3	29°27	12°47	19°48	19° 3	10°10	16°59	7°31	8°22	24°20	14° 6	T 8
W 9	3 38 2	23°22'32	11°49	7°27	18°16	0♒12	13° 0	19°49	19° 6	10° 9	17° 0	7°D31	8°19	24°26	14° 8	W 9
T 10	3 41 58	24°23'23	23°39	8°57	19°30	0°57	13°13	19°51	19° 8	10° 8	17° 0	7°32	8°16	24°33	14° 9	T 10
F 11	3 45 55	25°24'14	5♑35	10°27	20°43	1°42	13°26	19°52	19°10	10° 7	17° 0	7°33	8°13	24°40	14°10	F 11
S 12	3 49 51	26°25'07	17°39	11°58	21°57	2°27	13°39	19°54	19°12	10° 6	17°R 0	7°34	8° 9	24°46	14°11	S 12
S 13	3 53 48	27°26'01	29°54	13°29	23°10	3°12	13°53	19°55	19°14	10° 5	17° 0	7°35	8° 6	24°53	14°12	S 13
M14	3 57 45	28°26'55	12♒25	15° 0	24°24	3°58	14° 6	19°56	19°16	10° 4	17° 0	7°36	8° 3	25° 0	14°13	M14
T 15	4 1 41	29°27'50	25°16	16°32	25°38	4°43	14°19	19°57	19°17	10° 3	17° 0	7°R36	8° 0	25° 6	14°13	T 15
W16	4 5 38	0♐28'47	8♓29	18° 4	26°51	5°28	14°32	19°58	19°19	10° 2	16°59	7°36	7°57	25°13	14°14	W16
T 17	4 9 34	1°29'43	22° 8	19°37	28° 5	6°13	14°45	19°59	19°21	10° 1	16°59	7°36	7°53	25°20	14°14	T 17
F 18	4 13 31	2°30'41	6♈13	21° 9	29°19	6°58	14°58	20° 0	19°23	10° 0	16°59	7°35	7°50	25°26	14°14	F 18
S 19	4 17 27	3°31'39	20°43	22°42	0♏33	7°43	15°11	20° 1	19°24	10° 0	16°59	7°35	7°47	25°33	14°15	S 19
S 20	4 21 24	4°32'38	5♉35	24°15	1°47	8°29	15°24	20° 1	19°26	9°59	16°59	7°34	7°44	25°39	14°15	S 20
M21	4 25 20	5°33'38	20°43	25°48	3° 1	9°14	15°37	20° 2	19°28	9°58	16°58	7°34	7°41	25°46	14°R15	M21
T 22	4 29 17	6°34'39	5♊56	27°21	4°15	9°59	15°50	20° 2	19°29	9°57	16°58	7°D34	7°38	25°53	14°15	T 22
W23	4 33 14	7°35'40	21° 7	28°54	5°29	10°44	16° 3	20° 2	19°30	9°56	16°58	7°R34	7°34	25°59	14°15	W23
T 24	4 37 10	8°36'43	6♋ 4	0♐27	6°43	11°30	16°15	20°R 2	19°32	9°56	16°58	7°34	7°31	26° 6	14°14	T 24
F 25	4 41 7	9°37'46	20°41	2° 0	7°57	12°15	16°28	20° 2	19°33	9°55	16°57	7°34	7°28	26°13	14°14	F 25
S 26	4 45 3	10°38'50	4♌53	3°34	9°11	13° 0	16°41	20° 2	19°35	9°54	16°57	7°34	7°25	26°19	14°13	S 26
S 27	4 49 0	11°39'56	18°37	5° 7	10°26	13°46	16°54	20° 2	19°36	9°54	16°56	7°33	7°22	26°26	14°13	S 27
M28	4 52 56	12°41'02	1♍54	6°41	11°40	14°31	17° 6	20° 1	19°37	9°53	16°56	7°33	7°19	26°33	14°12	M28
T 29	4 56 53	13°42'08	14°46	8°15	12°54	15°16	17°19	20° 1	19°38	9°53	16°55	7°D33	7°15	26°39	14°11	T 29
W30	5 0 49	14♐43'16	27♍16	9♐49	14♏ 9	16♒ 2	17♏32	20♌ 0	19♍39	9♈52	16♌55	7♐33	7♐12	26♏46	14♌10	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s29	4n37	5s15	8s 8	2n15	1s43	1n49	23s 3	1s43	14s25	0n54	16n 6	1n 8	5n 8	0n45	2n29	1s46	25n31	10n12	21s42	21s51	20s 3	10n36	6s23
W 2	16 47	0s 3	5 10	8 38	2 11	2 11	1 50	22 54	1 42	14 29	0 54	16 5	1 8	5 7	0 45	2 29	1 46	25 31	10 13	21 42	21 51	20 4	10 35	6 24
T 3	17 4	4 37	4 51	9 10	2 7	2 39	1 51	22 44	1 41	14 33	0 54	16 4	1 8	5 7	0 45	2 28	1 46	25 31	10 13	21 41	21 50	20 5	10 34	6 25
F 4	17 21	8 57	4 19	9 42	2 3	3 7	1 51	22 35	1 40	14 37	0 54	16 4	1 8	5 6	0 45	2 28	1 45	25 31	10 13	21 41	21 50	20 5	10 33	6 25
S 5	17 38	12 53	3 36	10 16	1 58	3 35	1 52	22 25	1 39	14 41	0 54	16 3	1 9	5 5	0 45	2 27	1 45	25 32	10 14	21 40	21 49	20 6	10 32	6 26
S 6	17 54	16 17	2 44	10 50	1 53	4 3	1 53	22 15	1 38	14 45	0 54	16 3	1 9	5 4	0 45	2 27	1 45	25 32	10 14	21 40	21 49	20 7	10 30	6 26
M 7	18 10	19 1	1 45	11 24	1 47	4 31	1 53	22 5	1 37	14 49	0 54	16 2	1 9	5 3	0 45	2 26	1 45	25 32	10 14	21 40	21 48	20 8	10 29	6 27
T 8	18 26	20 55	0 41	11 59	1 41	4 59	1 54	21 55	1 36	14 53	0 54	16 2	1 9	5 2	0 45	2 26	1 45	25 33	10 15	21 39	21 48	20 9	10 28	6 28
W 9	18 42	21 54	0n24	12 34	1 35	5 26	1 54	21 45	1 35	14 57	0 54	16 2	1 9	5 1	0 45	2 25	1 45	25 33	10 15	21 39	21 47	20 10	10 27	6 28
T 10	18 57	21 55	1 28	13 9	1 28	5 54	1 54	21 34	1 34	15 1	0 54	16 1	1 10	5 1	0 45	2 25	1 45	25 33	10 16	21 40	21 47	20 10	10 26	6 29
F 11	19 12	20 56	2 30	13 43	1 22	6 22	1 54	21 23	1 33	15 5	0 53	16 1	1 10	5 0	0 45	2 25	1 45	25 34	10 16	21 40	21 46	20 11	10 26	6 30
S 12	19 26	18 59	3 25	14 18	1 15	6 49	1 54	21 12	1 32	15 9	0 53	16 1	1 10	4 59	0 45	2 24	1 45	25 34	10 16	21 40	21 46	20 12	10 25	6 30
S 13	19 40	16 9	4 12	14 52	1 8	7 17	1 54	21 0	1 31	15 13	0 53	16 1	1 10	4 58	0 45	2 24	1 45	25 34	10 17	21 40	21 45	20 13	10 24	6 31
M14	19 54	12 32	4 48	15 26	1 1	7 44	1 54	20 49	1 31	15 17	0 53	16 1	1 10	4 58	0 45	2 24	1 45	25 35	10 17	21 40	21 45	20 14	10 23	6 32
T 15	20 7	8 16	5 11	15 59	0 54	8 11	1 54	20 37	1 30	15 21	0 53	16 0	1 11	4 57	0 45	2 23	1 45	25 35	10 17	21 40	21 44	20 14	10 22	6 32
W16	20 20	3 30	5 18	16 32	0 47	8 38	1 53	20 25	1 29	15 25	0 53	16 0	1 11	4 56	0 45	2 23	1 45	25 35	10 18	21 40	21 44	20 15	10 21	6 33
T 17	20 33	1n35	5 8	17 4	0 40	9 5	1 53	20 13	1 28	15 29	0 53	16 0	1 11	4 56	0 45	2 23	1 45	25 36	10 18	21 40	21 43	20 16	10 21	6 34
F 18	20 45	6 45	4 39	17 36	0 33	9 31	1 52	20 0	1 27	15 33	0 53	16 0	1 11	4 55	0 45	2 22	1 45	25 36	10 19	21 40	21 43	20 17	10 20	6 34
S 19	20 57	11 42	3 52	18 6	0 26	9 58	1 52	19 48	1 26	15 37	0 53	16 0	1 12	4 54	0 45	2 22	1 45	25 37	10 19	21 40	21 42	20 17	10 19	6 35
S 20	21 8	16 5	2 49	18 36	0 19	10 24	1 51	19 35	1 25	15 40	0 53	16 0	1 12	4 54	0 45	2 22	1 45	25 37	10 19	21 40	21 41	20 18	10 19	6 36
M21	21 19	19 30	1 33	19 6	0 12	10 50	1 50	19 22	1 24	15 44	0 53	16 0	1 12	4 53	0 45	2 21	1 45	25 37	10 20	21 40	21 41	20 19	10 18	6 36
T 22	21 30	21 32	0 9	19 34	0 5	11 16	1 50	19 9	1 23	15 48	0 53	16 0	1 12	4 53	0 46	2 21	1 45	25 38	10 20	21 40	21 40	20 20	10 17	6 37
W23	21 40	22 0	1s15	20 2	0s 2	11 42	1 49	18 56	1 22	15 52	0 53	16 1	1 12	4 52	0 46	2 21	1 45	25 38	10 20	21 40	21 40	20 20	10 17	6 37
T 24	21 50	20 52	2 32	20 28	0 9	12 7	1 48	18 42	1 21	15 55	0 53	16 1	1 13	4 52	0 46	2 21	1 45	25 39	10 21	21 40	21 39	20 21	10 16	6 38
F 25	21 59	18 21	3 38	20 54	0 16	12 32	1 47	18 29	1 20	15 59	0 53	16 1	1 13	4 51	0 46	2 21	1 45	25 39	10 21	21 40	21 39	20 22	10 16	6 39
S 26	22 8	14 47	4 28	21 19	0 22	12 57	1 46	18 15	1 19	16 3	0 53	16 1	1 13	4 51	0 46	2 20	1 45	25 40	10 21	21 40	21 38	20 23	10 15	6 39
S 27	22 17	10 32	5 1	21 43	0 29	13 21	1 44	18 1	1 18	16 6	0 53	16 2	1 13	4 50	0 46	2 20	1 45	25 40	10 22	21 40	21 38	20 23	10 15	6 40
M28	22 25	5 55	5 17	22 6	0 35	13 46	1 43	17 47	1 17	16 10	0 53	16 2	1 13	4 50	0 46	2 20	1 44	25 41	10 22	21 40	21 37	20 24	10 15	6 41
T 29	22 32	1 10	5 16	22 27	0 41	14 10	1 42	17 32	1 16	16 13	0 53	16 2	1 14	4 49	0 46	2 20	1 44	25 41	10 23	21 40	21 37	20 25	10 14	6 41
W30	22s40	3s29	5s 0	22s48	0s48	14s33	1n40	17s18	1s15	16s17	0n53	16n 3	1n14	4n49	0n46	2n20	1s44	25n42	10n23	21s40	21s36	20s25	10n14	6s42

Julian Day Number = 2163679.5, Delta T = 12m57s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'00, Lahiri = 12°52'01 Julian Calendar 1 Nov. 1211 == Greg. Calendar 8 Nov. 1211

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ASTRODIENST EPHEMERIS for the year 1211
geocentric

DECEMBER 1211 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 4 46	15♐44'25	9♎30	11♐23	15♏23	16♒47	17♏44	20°R 0	19♍40	9°R52	16°R54	7♐34	7♐ 9	26♏53	14°R 9	T 1
F 2	5 8 43	16°45'34	21°31	12°57	16°38	17°32	17°57	19♌59	19°41	9♈51	16♌54	7°34	7° 6	26°59	14♌ 8	F 2
S 3	5 12 39	17°46'44	3♏23	14°31	17°52	18°18	18° 9	19°58	19°42	9°51	16°53	7°36	7° 3	27° 6	14° 7	S 3
S 4	5 16 36	18°47'55	15°11	16° 6	19° 6	19° 3	18°22	19°57	19°43	9°50	16°53	7°37	6°59	27°13	14° 5	S 4
M 5	5 20 32	19°49'07	26°58	17°40	20°21	19°48	18°34	19°56	19°44	9°50	16°52	7°37	6°56	27°19	14° 4	M 5
T 6	5 24 29	20°50'18	8♐46	19°15	21°36	20°34	18°46	19°54	19°44	9°50	16°51	7°R38	6°53	27°26	14° 2	T 6
W 7	5 28 25	21°51'31	20°39	20°51	22°50	21°19	18°58	19°53	19°45	9°49	16°51	7°37	6°50	27°32	14° 0	W 7
T 8	5 32 22	22°52'43	2♑37	22°26	24° 5	22° 4	19°11	19°51	19°46	9°49	16°50	7°36	6°47	27°39	13°59	T 8
F 9	5 36 18	23°53'56	14°43	24° 2	25°19	22°50	19°23	19°50	19°46	9°49	16°49	7°34	6°44	27°46	13°57	F 9
S 10	5 40 15	24°55'09	26°59	25°38	26°34	23°35	19°35	19°48	19°47	9°49	16°48	7°31	6°40	27°52	13°55	S 10
S 11	5 44 12	25°56'21	9♒26	27°14	27°49	24°20	19°47	19°46	19°47	9°49	16°47	7°28	6°37	27°59	13°53	S 11
M12	5 48 8	26°57'34	22° 6	28°51	29° 3	25° 6	19°59	19°45	19°48	9°49	16°47	7°25	6°34	28° 6	13°51	M12
T 13	5 52 5	27°58'47	5♓ 1	0♑27	0♐18	25°51	20°11	19°43	19°48	9°49	16°46	7°23	6°31	28°12	13°48	T 13
W14	5 56 1	28°59'59	18°13	2° 5	1°33	26°36	20°22	19°40	19°48	9°49	16°45	7°22	6°28	28°19	13°46	W14
T 15	5 59 58	0♑ 1'11	1♈44	3°42	2°47	27°22	20°34	19°38	19°48	9°D49	16°44	7°D21	6°25	28°26	13°43	T 15
F 16	6 3 54	1° 2'23	15°35	5°20	4° 2	28° 7	20°46	19°36	19°49	9°49	16°43	7°22	6°21	28°32	13°41	F 16
S 17	6 7 51	2° 3'34	29°46	6°58	5°17	28°52	20°57	19°34	19°49	9°49	16°42	7°23	6°18	28°39	13°38	S 17
S 18	6 11 47	3° 4'45	14♉17	8°37	6°31	29°38	21° 9	19°31	19°49	9°49	16°41	7°25	6°15	28°46	13°35	S 18
M19	6 15 44	4° 5'55	29° 3	10°16	7°46	0♓23	21°20	19°28	19°R49	9°49	16°40	7°26	6°12	28°52	13°33	M19
T 20	6 19 41	5° 7'06	13♊59	11°55	9° 1	1° 8	21°32	19°26	19°49	9°49	16°39	7°R26	6° 9	28°59	13°30	T 20
W21	6 23 37	6° 8'16	28°58	13°34	10°16	1°53	21°43	19°23	19°49	9°49	16°38	7°25	6° 5	29° 6	13°27	W21
T 22	6 27 34	7° 9'25	13♋52	15°14	11°30	2°39	21°54	19°20	19°49	9°50	16°37	7°22	6° 2	29°12	13°24	T 22
F 23	6 31 30	8°10'35	28°31	16°54	12°45	3°24	22° 6	19°17	19°48	9°50	16°36	7°17	5°59	29°19	13°21	F 23
S 24	6 35 27	9°11'44	12♌50	18°34	14° 0	4° 9	22°17	19°14	19°48	9°50	16°35	7°12	5°56	29°25	13°17	S 24
S 25	6 39 23	10°12'53	26°43	20°14	15°15	4°54	22°28	19°11	19°48	9°50	16°34	7° 7	5°53	29°32	13°14	S 25
M26	6 43 20	11°14'01	10♍ 9	21°54	16°30	5°39	22°39	19° 8	19°47	9°51	16°33	7° 3	5°50	29°39	13°11	M26
T 27	6 47 17	12°15'10	23° 8	23°34	17°45	6°24	22°49	19° 4	19°47	9°51	16°31	6°59	5°46	29°45	13° 7	T 27
W28	6 51 13	13°16'18	5♎43	25°14	18°59	7° 9	23° 0	19° 1	19°46	9°52	16°30	6°57	5°43	29°52	13° 4	W28
T 29	6 55 10	14°17'26	17°58	26°54	20°14	7°54	23°11	18°57	19°46	9°52	16°29	6°D57	5°40	29°59	13° 0	T 29
F 30	6 59 6	15°18'33	29°59	28°33	21°29	8°40	23°21	18°54	19°45	9°53	16°28	6°58	5°37	0♐ 5	12°56	F 30
S 31	7 3 3	16♑19'41	11♏50	0♒12	22♐44	9♓25	23♏32	18♌50	19♍45	9♈53	16♌27	7♐ 0	5♐34	0♐12	12♌53	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s46	7s55	4s30	23s 7	0s54	14s56	1n39	17s 3	1s14	16s20	0n53	16n 3	1n14	4n49	0n46	2n19	1s44	25n42	10n23	21s40	21s36	20s26	10n14	6s42
F 2	22 53	11 58	3 49	23 26	0 59	15 19	1 38	16 48	1 13	16 24	0 53	16 3	1 14	4 48	0 46	2 19	1 44	25 43	10 24	21 40	21 35	20 27	10 13	6 43
S 3	22 59	15 30	2 59	23 43	1 5	15 42	1 36	16 33	1 12	16 27	0 53	16 4	1 15	4 48	0 46	2 19	1 44	25 43	10 24	21 40	21 35	20 28	10 13	6 44
S 4	23 4	18 24	2 1	23 59	1 11	16 4	1 34	16 18	1 11	16 31	0 53	16 5	1 15	4 48	0 46	2 19	1 44	25 44	10 24	21 40	21 34	20 28	10 13	6 44
M 5	23 9	20 31	0 59	24 14	1 16	16 25	1 33	16 3	1 10	16 34	0 53	16 5	1 15	4 47	0 46	2 19	1 44	25 44	10 25	21 40	21 34	20 29	10 13	6 45
T 6	23 13	21 45	0n 6	24 27	1 21	16 47	1 31	15 48	1 9	16 38	0 53	16 6	1 15	4 47	0 46	2 19	1 44	25 45	10 25	21 40	21 33	20 30	10 13	6 45
W 7	23 17	22 1	1 12	24 39	1 26	17 7	1 29	15 32	1 8	16 41	0 53	16 6	1 15	4 47	0 46	2 19	1 44	25 45	10 25	21 40	21 33	20 30	10 13	6 46
T 8	23 21	21 17	2 14	24 50	1 31	17 28	1 27	15 16	1 7	16 44	0 53	16 7	1 16	4 47	0 46	2 19	1 44	25 46	10 26	21 40	21 32	20 31	10 13	6 46
F 9	23 24	19 33	3 11	24 59	1 35	17 48	1 25	15 1	1 6	16 48	0 53	16 8	1 16	4 46	0 46	2 19	1 44	25 46	10 26	21 40	21 31	20 32	10 13	6 47
S 10	23 27	16 55	4 0	25 8	1 39	18 7	1 23	14 45	1 5	16 51	0 53	16 8	1 16	4 46	0 46	2 19	1 44	25 47	10 26	21 39	21 31	20 32	10 13	6 48
S 11	23 29	13 29	4 39	25 14	1 43	18 26	1 21	14 29	1 5	16 54	0 53	16 9	1 16	4 46	0 46	2 19	1 44	25 47	10 27	21 39	21 30	20 33	10 13	6 48
M12	23 30	9 24	5 5	25 19	1 47	18 45	1 19	14 13	1 4	16 57	0 53	16 10	1 16	4 46	0 46	2 19	1 44	25 48	10 27	21 38	21 30	20 34	10 13	6 49
T 13	23 31	4 49	5 15	25 23	1 51	19 3	1 17	13 56	1 3	17 0	0 53	16 11	1 17	4 46	0 46	2 19	1 44	25 49	10 27	21 38	21 29	20 34	10 13	6 49
W14	23 32	0n 5	5 10	25 25	1 54	19 20	1 15	13 40	1 2	17 3	0 53	16 12	1 17	4 46	0 46	2 19	1 44	25 49	10 27	21 38	21 29	20 35	10 13	6 50
T 15	23 32	5 5	4 48	25 26	1 57	19 37	1 13	13 23	1 1	17 7	0 53	16 13	1 17	4 46	0 46	2 19	1 44	25 50	10 28	21 38	21 28	20 36	10 13	6 50
F 16	23 32	9 58	4 8	25 25	1 59	19 53	1 10	13 7	1 0	17 10	0 53	16 14	1 17	4 46	0 47	2 19	1 43	25 50	10 28	21 38	21 28	20 36	10 13	6 51
S 17	23 31	14 27	3 13	25 23	2 1	20 9	1 8	12 50	0 59	17 13	0 53	16 14	1 17	4 46	0 47	2 19	1 43	25 51	10 28	21 38	21 27	20 37	10 14	6 51
S 18	23 30	18 10	2 4	25 19	2 3	20 25	1 6	12 33	0 58	17 16	0 54	16 15	1 18	4 46	0 47	2 19	1 43	25 51	10 29	21 38	21 27	20 37	10 14	6 52
M19	23 29	20 47	0 46	25 13	2 5	20 39	1 3	12 16	0 57	17 19	0 54	16 16	1 18	4 46	0 47	2 19	1 43	25 52	10 29	21 39	21 26	20 38	10 14	6 52
T 20	23 26	21 59	0s36	25 6	2 6	20 53	1 1	11 59	0 56	17 22	0 54	16 17	1 18	4 46	0 47	2 19	1 43	25 53	10 29	21 39	21 25	20 39	10 15	6 53
W21	23 24	21 37	1 56	24 57	2 7	21 7	0 59	11 42	0 55	17 25	0 54	16 19	1 18	4 46	0 47	2 20	1 43	25 53	10 30	21 38	21 25	20 39	10 15	6 53
T 22	23 21	19 43	3 7	24 46	2 7	21 20	0 56	11 25	0 54	17 27	0 54	16 20	1 18	4 46	0 47	2 20	1 43	25 54	10 30	21 38	21 24	20 40	10 16	6 53
F 23	23 17	16 33	4 4	24 34	2 7	21 32	0 54	11 8	0 53	17 30	0 54	16 21	1 19	4 46	0 47	2 20	1 43	25 54	10 30	21 37	21 24	20 40	10 16	6 54
S 24	23 13	12 28	4 45	24 20	2 6	21 44	0 51	10 50	0 52	17 33	0 54	16 22	1 19	4 46	0 47	2 20	1 43	25 55	10 30	21 36	21 23	20 41	10 17	6 54
S 25	23 9	7 50	5 8	24 4	2 5	21 55	0 49	10 33	0 51	17 36	0 54	16 23	1 19	4 47	0 47	2 20	1 43	25 56	10 31	21 35	21 23	20 42	10 17	6 55
M26	23 4	2 59	5 12	23 46	2 3	22 5	0 46	10 15	0 50	17 39	0 54	16 24	1 19	4 47	0 47	2 20	1 43	25 56	10 31	21 35	21 22	20 42	10 18	6 55
T 27	22 58	1s51	5 0	23 27	2 1	22 15	0 43	9 58	0 49	17 41	0 54	16 25	1 19	4 47	0 47	2 21	1 43	25 57	10 31	21 34	21 22	20 43	10 18	6 55
W28	22 53	6 28	4 34	23 6	1 58	22 24	0 41	9 40	0 48	17 44	0 54	16 27	1 20	4 47	0 47	2 21	1 43	25 57	10 31	21 34	21 21	20 43	10 19	6 56
T 29	22 46	10 43	3 56	22 44	1 54	22 33	0 38	9 22	0 47	17 47	0 54	16 28	1 20	4 47	0 47	2 21	1 43	25 58	10 32	21 34	21 20	20 44	10 19	6 56
F 30	22 39	14 27	3 8	22 20	1 50	22 40	0 36	9 4	0 46	17 49	0 54	16 29	1 20	4 48	0 47	2 21	1 43	25 59	10 32	21 34	21 20	20 44	10 20	6 57
S 31	22s32	17s34	2s13	21s54	1s45	22s47	0n33	8s47	0s45	17s52	0n54	16n31	1n20	4n48	0n47	2n22	1s43	25n59	10n32	21s34	21s19	20s45	10n21	6s57

Julian Day Number = 2163709.5, Delta T = 12m57s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'04, Lahiri = 12°52'05 Julian Calendar 1 Dec. 1211 == Greg. Calendar 8 Dec. 1211

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

JANUARY 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 6 59	17♉20'48	23♏37	1♒50	23♐59	10♓10	23♏42	18°R47	19°R44	9♈54	16°R25	7♐ 2	5♐31	0♐19	12°R49	S 1
M 2	7 10 56	18°21'54	5♐24	3°26	25°14	10°55	23°52	18♌43	19♍43	9°55	16♌24	7°R 2	5°27	0°25	12♌45	M 2
T 3	7 14 52	19°23'00	17°15	5° 2	26°29	11°40	24° 3	18°39	19°42	9°55	16°23	7° 2	5°24	0°32	12°41	T 3
W 4	7 18 49	20°24'05	29°13	6°35	27°44	12°25	24°13	18°35	19°41	9°56	16°21	6°59	5°21	0°39	12°37	W 4
T 5	7 22 46	21°25'10	11♉22	8° 6	28°59	13° 9	24°23	18°31	19°40	9°57	16°20	6°54	5°18	0°45	12°33	T 5
F 6	7 26 42	22°26'14	23°43	9°35	0♉13	13°54	24°32	18°27	19°39	9°57	16°19	6°48	5°15	0°52	12°29	F 6
S 7	7 30 39	23°27'17	6♒17	11° 0	1°28	14°39	24°42	18°23	19°38	9°58	16°18	6°39	5°11	0°59	12°25	S 7
S 8	7 34 35	24°28'19	19° 3	12°21	2°43	15°24	24°52	18°19	19°37	9°59	16°16	6°30	5° 8	1° 5	12°21	S 8
M 9	7 38 32	25°29'20	2♓ 2	13°38	3°58	16° 9	25° 1	18°14	19°36	10° 0	16°15	6°21	5° 5	1°12	12°16	M 9
T 10	7 42 28	26°30'20	15°13	14°50	5°13	16°54	25°11	18°10	19°35	10° 1	16°13	6°13	5° 2	1°18	12°12	T 10
W11	7 46 25	27°31'18	28°36	15°55	6°28	17°39	25°20	18° 6	19°34	10° 2	16°12	6° 7	4°59	1°25	12° 8	W11
T 12	7 50 21	28°32'16	12♈12	16°54	7°43	18°23	25°29	18° 1	19°32	10° 3	16°11	6° 4	4°56	1°32	12° 3	T 12
F 13	7 54 18	29°33'11	25°59	17°46	8°58	19° 8	25°38	17°57	19°31	10° 4	16° 9	6°D 3	4°52	1°38	11°59	F 13
S 14	7 58 15	0♒34'06	9♉58	18°29	10°13	19°53	25°47	17°52	19°30	10° 5	16° 8	6° 3	4°49	1°45	11°55	S 14
S 15	8 2 11	1°34'59	24° 9	19° 2	11°28	20°37	25°56	17°48	19°28	10° 6	16° 6	6° 4	4°46	1°52	11°50	S 15
M16	8 6 8	2°35'51	8♊31	19°26	12°42	21°22	26° 5	17°43	19°27	10° 7	16° 5	6°R 4	4°43	1°58	11°46	M16
T 17	8 10 4	3°36'41	23° 1	19°39	13°57	22° 7	26°14	17°39	19°25	10° 8	16° 4	6° 3	4°40	2° 5	11°41	T 17
W18	8 14 1	4°37'30	7♋35	19°R42	15°12	22°51	26°22	17°34	19°24	10° 9	16° 2	5°59	4°37	2°12	11°37	W18
T 19	8 17 57	5°38'17	22° 7	19°34	16°27	23°36	26°30	17°29	19°22	10°10	16° 1	5°53	4°33	2°18	11°32	T 19
F 20	8 21 54	6°39'03	6♌31	19°14	17°42	24°20	26°39	17°25	19°21	10°11	15°59	5°44	4°30	2°25	11°28	F 20
S 21	8 25 50	7°39'48	20°41	18°44	18°57	25° 4	26°47	17°20	19°19	10°13	15°58	5°34	4°27	2°32	11°23	S 21
S 22	8 29 47	8°40'31	4♍30	18° 4	20°12	25°49	26°55	17°15	19°17	10°14	15°56	5°23	4°24	2°38	11°19	S 22
M23	8 33 44	9°41'14	17°56	17°16	21°27	26°33	27° 3	17°10	19°15	10°15	15°55	5°13	4°21	2°45	11°14	M23
T 24	8 37 40	10°41'54	0♎58	16°19	22°41	27°18	27°10	17° 6	19°13	10°17	15°53	5° 4	4°17	2°51	11° 9	T 24
W25	8 41 37	11°42'34	13°36	15°17	23°56	28° 2	27°18	17° 1	19°12	10°18	15°52	4°58	4°14	2°58	11° 5	W25
T 26	8 45 33	12°43'12	25°55	14°10	25°11	28°46	27°25	16°56	19°10	10°19	15°50	4°55	4°11	3° 5	11° 0	T 26
F 27	8 49 30	13°43'50	7♏58	13° 2	26°26	29°30	27°33	16°51	19° 8	10°21	15°49	4°53	4° 8	3°11	10°56	F 27
S 28	8 53 26	14°44'26	19°50	11°52	27°41	0♈15	27°40	16°46	19° 6	10°22	15°47	4°D53	4° 5	3°18	10°51	S 28
S 29	8 57 23	15°45'00	1♐38	10°44	28°56	0°59	27°47	16°42	19° 4	10°24	15°46	4°R53	4° 2	3°25	10°46	S 29
M30	9 1 19	16°45'34	13°26	9°39	0♒11	1°43	27°54	16°37	19° 2	10°25	15°44	4°53	3°58	3°31	10°42	M30
T 31	9 5 16	17♒46'06	25♐19	8♒38	1♒25	2♈27	28♏ 0	16♌32	19♍ 0	10♈27	15♌43	4♐51	3♐55	3♐38	10♌37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s25	19s56	1s13	21s27	1s40	22s54	0n30	8s29	0s45	17s54	0n54	16n32	1n20	4n48	0n47	2n22	1s43	26n 0	10n32	21s34	21s19	20s46	10n22	6s57
M 2	22 17	21 26	0 9	20 59	1 33	23 0	0 28	8 11	0 44	17 57	0 54	16 33	1 21	4 49	0 47	2 22	1 43	26 1	10 33	21 35	21 18	20 46	10 22	6 58
T 3	22 8	22 1	0n55	20 29	1 26	23 5	0 25	7 53	0 43	17 59	0 54	16 35	1 21	4 49	0 47	2 23	1 42	26 1	10 33	21 35	21 18	20 47	10 23	6 58
W 4	21 59	21 35	1 58	19 58	1 18	23 9	0 22	7 35	0 42	18 2	0 54	16 36	1 21	4 49	0 47	2 23	1 42	26 2	10 33	21 34	21 17	20 47	10 24	6 58
T 5	21 50	20 9	2 55	19 26	1 9	23 12	0 20	7 16	0 41	18 4	0 54	16 37	1 21	4 50	0 47	2 23	1 42	26 2	10 33	21 33	21 16	20 48	10 25	6 58
F 6	21 40	17 45	3 45	18 53	1 0	23 15	0 17	6 58	0 40	18 6	0 54	16 39	1 21	4 50	0 47	2 24	1 42	26 3	10 33	21 32	21 16	20 48	10 26	6 59
S 7	21 30	14 30	4 26	18 20	0 49	23 18	0 14	6 40	0 39	18 9	0 54	16 40	1 21	4 51	0 47	2 24	1 42	26 4	10 34	21 31	21 15	20 49	10 27	6 59
S 8	21 19	10 32	4 53	17 46	0 38	23 19	0 12	6 22	0 38	18 11	0 54	16 42	1 22	4 51	0 47	2 24	1 42	26 4	10 34	21 29	21 15	20 49	10 28	6 59
M 9	21 8	6 2	5 6	17 12	0 25	23 20	0 9	6 3	0 37	18 13	0 55	16 43	1 22	4 52	0 47	2 25	1 42	26 5	10 34	21 28	21 14	20 50	10 29	6 59
T 10	20 56	1 11	5 3	16 39	0 12	23 20	0 6	5 45	0 36	18 15	0 55	16 45	1 22	4 52	0 48	2 25	1 42	26 5	10 34	21 26	21 14	20 50	10 29	6 59
W11	20 45	3n47	4 44	16 6	0n 2	23 19	0 4	5 27	0 35	18 18	0 55	16 46	1 22	4 53	0 48	2 25	1 42	26 6	10 34	21 25	21 13	20 51	10 30	7 0
T 12	20 32	8 39	4 9	15 34	0 17	23 18	0 1	5 8	0 34	18 20	0 55	16 48	1 22	4 53	0 48	2 26	1 42	26 7	10 35	21 25	21 12	20 51	10 32	7 0
F 13	20 20	13 9	3 18	15 3	0 33	23 16	0s 1	4 50	0 34	18 22	0 55	16 49	1 22	4 54	0 48	2 26	1 42	26 7	10 35	21 24	21 12	20 52	10 33	7 0
S 14	20 7	17 0	2 16	14 35	0 49	23 13	0 4	4 32	0 33	18 24	0 55	16 51	1 22	4 54	0 48	2 27	1 42	26 8	10 35	21 24	21 11	20 52	10 34	7 0
S 15	19 53	19 55	1 4	14 8	1 6	23 9	0 7	4 13	0 32	18 26	0 55	16 52	1 23	4 55	0 48	2 27	1 42	26 9	10 35	21 25	21 11	20 53	10 35	7 0
M16	19 40	21 36	0s13	13 45	1 23	23 5	0 9	3 55	0 31	18 28	0 55	16 54	1 23	4 56	0 48	2 28	1 42	26 9	10 35	21 25	21 10	20 53	10 36	7 0
T 17	19 26	21 52	1 30	13 24	1 40	23 0	0 12	3 36	0 30	18 30	0 55	16 55	1 23	4 56	0 48	2 28	1 42	26 10	10 35	21 24	21 10	20 54	10 37	7 0
W18	19 11	20 39	2 40	13 7	1 58	22 54	0 14	3 18	0 29	18 32	0 55	16 57	1 23	4 57	0 48	2 29	1 42	26 10	10 36	21 24	21 9	20 54	10 38	7 0
T 19	18 56	18 5	3 41	12 53	2 14	22 48	0 17	2 59	0 28	18 34	0 55	16 58	1 23	4 57	0 48	2 29	1 42	26 11	10 36	21 23	21 8	20 55	10 39	7 0
F 20	18 41	14 26	4 26	12 44	2 31	22 41	0 19	2 41	0 27	18 35	0 55	17 0	1 23	4 58	0 48	2 30	1 42	26 11	10 36	21 21	21 8	20 55	10 40	7 0
S 21	18 26	10 1	4 54	12 38	2 46	22 33	0 22	2 22	0 26	18 37	0 55	17 2	1 23	4 59	0 48	2 30	1 42	26 12	10 36	21 19	21 7	20 55	10 42	7 0
S 22	18 10	5 11	5 4	12 37	3 0	22 25	0 24	2 4	0 26	18 39	0 55	17 3	1 23	5 0	0 48	2 31	1 42	26 13	10 36	21 17	21 7	20 56	10 43	7 0
M23	17 54	0 14	4 57	12 40	3 13	22 16	0 27	1 45	0 25	18 41	0 56	17 5	1 24	5 0	0 48	2 31	1 41	26 13	10 36	21 16	21 6	20 56	10 44	7 0
T 24	17 38	4s34	4 34	12 46	3 24	22 6	0 29	1 27	0 24	18 42	0 56	17 6	1 24	5 1	0 48	2 32	1 41	26 14	10 36	21 14	21 5	20 57	10 45	7 0
W25	17 21	9 3	3 58	12 56	3 33	21 56	0 31	1 8	0 23	18 44	0 56	17 8	1 24	5 2	0 48	2 32	1 41	26 14	10 36	21 13	21 5	20 57	10 47	7 0
T 26	17 4	13 2	3 12	13 9	3 39	21 44	0 34	0 50	0 22	18 46	0 56	17 10	1 24	5 3	0 48	2 33	1 41	26 15	10 36	21 12	21 4	20 58	10 48	7 0
F 27	16 46	16 24	2 18	13 24	3 43	21 33	0 36	0 31	0 21	18 47	0 56	17 11	1 24	5 3	0 48	2 34	1 41	26 15	10 37	21 12	21 4	20 58	10 49	7 0
S 28	16 29	19 3	1 19	13 42	3 45	21 20	0 38	0 13	0 20	18 49	0 56	17 13	1 24	5 4	0 48	2 34	1 41	26 16	10 37	21 12	21 3	20 58	10 50	7 0
S 29	16 11	20 51	0 17	14 1	3 45	21 7	0 40	0n 5	0 20	18 50	0 56	17 14	1 24	5 5	0 48	2 35	1 41	26 17	10 37	21 12	21 3	20 59	10 52	7 0
M30	15 53	21 45	0n45	14 21	3 42	20 54	0 43	0 24	0 19	18 52	0 56	17 16	1 24	5 6	0 48	2 35	1 41	26 17	10 37	21 12	21 2	20 59	10 53	7 0
T 31	15s34	21s41	1n46	14s41	3n37	20s39	0s45	0n42	0s18	18s53	0n56	17n17	1n24	5n 7	0n48	2n36	1s41	26n18	10n37	21s12	21s 1	21s 0	10n54	7s 0

Julian Day Number = 2163740.5, Delta T = 12m57s
Ecliptic obliquity = 23°32'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'08, Lahiri = 12°52'09 Julian Calendar 1 Jan. 1212 == Greg. Calendar 8 Jan. 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

FEBRUARY 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 9 13	18♒46'37	7♉23	7°R43	2♒40	3♈11	28♏ 7	16°R27	18°R58	10♈28	15°R41	4°R47	3♐52	3♐45	10°R33	W 1
T 2	9 13 9	19°47'06	19°41	6♒53	3°55	3°55	28°13	16♌22	18♍55	10°30	15♌40	4♐39	3°49	3°51	10♌28	T 2
F 3	9 17 6	20°47'34	2♒15	6°11	5°10	4°39	28°20	16°17	18°53	10°31	15°38	4°29	3°46	3°58	10°24	F 3
S 4	9 21 2	21°48'00	15° 7	5°36	6°25	5°23	28°26	16°12	18°51	10°33	15°37	4°17	3°42	4° 5	10°19	S 4
S 5	9 24 59	22°48'24	28°15	5° 8	7°40	6° 7	28°32	16° 8	18°49	10°35	15°35	4° 4	3°39	4°11	10°15	S 5
M 6	9 28 55	23°48'47	11♓38	4°48	8°54	6°51	28°38	16° 3	18°47	10°36	15°34	3°51	3°36	4°18	10°10	M 6
T 7	9 32 52	24°49'08	25°14	4°35	10° 9	7°35	28°43	15°58	18°44	10°38	15°32	3°40	3°33	4°25	10° 6	T 7
W 8	9 36 48	25°49'26	8♈59	4°D29	11°24	8°18	28°49	15°53	18°42	10°40	15°31	3°31	3°30	4°31	10° 2	W 8
T 9	9 40 45	26°49'43	22°52	4°30	12°39	9° 2	28°54	15°49	18°40	10°41	15°30	3°25	3°27	4°38	9°57	T 9
F 10	9 44 42	27°49'58	6♉50	4°37	13°54	9°46	28°59	15°44	18°37	10°43	15°28	3°21	3°23	4°44	9°53	F 10
S 11	9 48 38	28°50'11	20°52	4°51	15° 8	10°29	29° 4	15°39	18°35	10°45	15°27	3°20	3°20	4°51	9°49	S 11
S 12	9 52 35	29°50'21	4♊56	5°10	16°23	11°13	29° 9	15°35	18°33	10°47	15°25	3°20	3°17	4°58	9°45	S 12
M13	9 56 31	0♓50'30	19° 3	5°34	17°38	11°57	29°14	15°30	18°30	10°48	15°24	3°20	3°14	5° 4	9°40	M13
T 14	10 0 28	1°50'36	3♋11	6° 3	18°53	12°40	29°18	15°25	18°28	10°50	15°22	3°17	3°11	5°11	9°36	T 14
W15	10 4 24	2°50'40	17°19	6°37	20° 7	13°24	29°23	15°21	18°25	10°52	15°21	3°13	3° 8	5°18	9°32	W15
T 16	10 8 21	3°50'42	1♌23	7°16	21°22	14° 7	29°27	15°16	18°23	10°54	15°20	3° 5	3° 4	5°24	9°28	T 16
F 17	10 12 17	4°50'42	15°21	7°58	22°37	14°51	29°31	15°12	18°20	10°56	15°18	2°55	3° 1	5°31	9°24	F 17
S 18	10 16 14	5°50'40	29° 8	8°44	23°51	15°34	29°35	15° 8	18°18	10°58	15°17	2°42	2°58	5°38	9°20	S 18
S 19	10 20 11	6°50'36	12♍40	9°33	25° 6	16°17	29°38	15° 3	18°15	11° 0	15°15	2°29	2°55	5°44	9°17	S 19
M20	10 24 7	7°50'29	25°54	10°26	26°21	17° 1	29°42	14°59	18°13	11° 2	15°14	2°17	2°52	5°51	9°13	M20
T 21	10 28 4	8°50'21	8♎48	11°22	27°35	17°44	29°45	14°55	18°10	11° 4	15°13	2° 6	2°48	5°58	9° 9	T 21
W22	10 32 0	9°50'11	21°23	12°21	28°50	18°27	29°48	14°51	18° 8	11° 6	15°11	1°58	2°45	6° 4	9° 6	W22
T 23	10 35 57	10°50'00	3♏41	13°22	0♓ 5	19°10	29°51	14°46	18° 5	11° 8	15°10	1°52	2°42	6°11	9° 2	T 23
F 24	10 39 53	11°49'46	15°44	14°26	1°19	19°53	29°54	14°42	18° 2	11°10	15° 9	1°50	2°39	6°17	8°59	F 24
S 25	10 43 50	12°49'31	27°37	15°32	2°34	20°36	29°56	14°38	18° 0	11°12	15° 7	1°D49	2°36	6°24	8°55	S 25
S 26	10 47 46	13°49'14	9♐26	16°41	3°48	21°19	29°59	14°34	17°57	11°14	15° 6	1°R49	2°33	6°31	8°52	S 26
M27	10 51 43	14°48'55	21°15	17°51	5° 3	22° 2	0♐ 1	14°31	17°55	11°16	15° 5	1°49	2°29	6°37	8°49	M27
T 28	10 55 39	15°48'35	3♑10	19° 4	6°18	22°45	0° 3	14°27	17°52	11°18	15° 4	1°47	2°26	6°44	8°45	T 28
W29	10 59 36	16♓48'12	15♑16	20♒19	7♓32	23♈28	0♐ 5	14♌23	17♍49	11♈20	15♌ 2	1♐44	2♐23	6♐51	8♌42	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	15s16	20s37	2n44	15s 2	3n30	20s24	0s47	1n 1	0s17	18s55	0n56	17n19	1n24	5n 7	0n48	2n37	1s41	26n18	10n37	21s11	21s 1	21s 0	10n56	7s 0	W 1
T 2	14 57	18 34	3 34	15 22	3 22	20 9	0 49	1 19	0 16	18 56	0 56	17 20	1 25	5 8	0 48	2 37	1 41	26 19	10 37	21 10	21 0	21 0	10 57	6 59	T 2
F 3	14 37	15 36	4 15	15 42	3 13	19 53	0 51	1 37	0 15	18 57	0 56	17 22	1 25	5 9	0 48	2 38	1 41	26 19	10 37	21 8	21 0	21 1	10 58	6 59	F 3
S 4	14 18	11 50	4 44	16 0	3 2	19 36	0 53	1 55	0 15	18 59	0 57	17 24	1 25	5 10	0 48	2 39	1 41	26 20	10 37	21 5	20 59	21 1	11 0	6 59	S 4
S 5	13 58	7 27	4 59	16 18	2 51	19 19	0 55	2 14	0 14	19 0	0 57	17 25	1 25	5 11	0 48	2 39	1 41	26 20	10 37	21 3	20 58	21 2	11 1	6 59	S 5
M 6	13 38	2 38	4 58	16 35	2 39	19 1	0 57	2 32	0 13	19 1	0 57	17 27	1 25	5 12	0 48	2 40	1 41	26 21	10 37	21 1	20 58	21 2	11 3	6 59	M 6
T 7	13 18	2n23	4 40	16 50	2 26	18 43	0 58	2 50	0 12	19 2	0 57	17 28	1 25	5 13	0 48	2 41	1 41	26 21	10 37	20 58	20 57	21 2	11 4	6 58	T 7
W 8	12 58	7 20	4 6	17 4	2 13	18 24	1 0	3 8	0 11	19 3	0 57	17 30	1 25	5 14	0 48	2 42	1 41	26 22	10 37	20 57	20 57	21 3	11 5	6 58	W 8
T 9	12 37	11 58	3 17	17 17	2 0	18 4	1 2	3 26	0 11	19 4	0 57	17 31	1 25	5 15	0 48	2 42	1 41	26 22	10 37	20 56	20 56	21 3	11 7	6 58	T 9
F 10	12 17	15 59	2 15	17 28	1 47	17 45	1 4	3 44	0 10	19 5	0 57	17 33	1 25	5 16	0 48	2 43	1 41	26 23	10 37	20 55	20 55	21 3	11 8	6 58	F 10
S 11	11 56	19 6	1 6	17 37	1 34	17 24	1 5	4 2	0 9	19 6	0 57	17 34	1 25	5 17	0 48	2 44	1 41	26 23	10 37	20 55	20 55	21 4	11 10	6 57	S 11
S 12	11 35	21 4	0s 8	17 45	1 21	17 3	1 7	4 20	0 8	19 7	0 57	17 35	1 25	5 18	0 48	2 44	1 41	26 24	10 37	20 55	20 54	21 4	11 11	6 57	S 12
M13	11 13	21 43	1 22	17 52	1 8	16 42	1 8	4 38	0 7	19 8	0 57	17 37	1 25	5 18	0 48	2 45	1 41	26 24	10 37	20 55	20 53	21 4	11 12	6 57	M13
T 14	10 52	20 59	2 31	17 57	0 55	16 20	1 10	4 55	0 7	19 9	0 57	17 38	1 25	5 19	0 48	2 46	1 41	26 24	10 37	20 54	20 53	21 5	11 14	6 56	T 14
W15	10 30	18 57	3 30	18 0	0 43	15 58	1 11	5 13	0 6	19 10	0 58	17 40	1 25	5 20	0 48	2 47	1 41	26 25	10 37	20 53	20 52	21 5	11 15	6 56	W15
T 16	10 8	15 46	4 16	18 2	0 31	15 35	1 13	5 31	0 5	19 11	0 58	17 41	1 25	5 21	0 48	2 47	1 41	26 25	10 37	20 52	20 52	21 5	11 17	6 55	T 16
F 17	9 46	11 44	4 47	18 3	0 19	15 12	1 14	5 48	0 4	19 12	0 58	17 42	1 25	5 22	0 48	2 48	1 40	26 26	10 37	20 50	20 51	21 6	11 18	6 55	F 17
S 18	9 24	7 8	5 0	18 2	0 8	14 48	1 15	6 6	0 4	19 12	0 58	17 44	1 25	5 23	0 48	2 49	1 40	26 26	10 37	20 47	20 50	21 6	11 19	6 55	S 18
S 19	9 2	2 17	4 56	17 59	0s 4	14 24	1 16	6 23	0 3	19 13	0 58	17 45	1 26	5 24	0 48	2 50	1 40	26 26	10 37	20 45	20 50	21 6	11 21	6 54	S 19
M20	8 40	2s35	4 36	17 55	0 14	14 0	1 17	6 41	0 2	19 14	0 58	17 46	1 26	5 25	0 48	2 51	1 40	26 27	10 37	20 42	20 49	21 6	11 22	6 54	M20
T 21	8 17	7 12	4 2	17 50	0 24	13 35	1 18	6 58	0 1	19 14	0 58	17 48	1 26	5 26	0 48	2 51	1 40	26 27	10 37	20 40	20 49	21 7	11 23	6 53	T 21
W22	7 55	11 25	3 17	17 43	0 34	13 10	1 19	7 15	0 1	19 15	0 58	17 49	1 26	5 27	0 48	2 52	1 40	26 28	10 37	20 39	20 48	21 7	11 25	6 53	W22
T 23	7 32	15 2	2 23	17 35	0 44	12 45	1 20	7 32	0n 0	19 15	0 58	17 50	1 26	5 28	0 48	2 53	1 40	26 28	10 37	20 37	20 47	21 7	11 26	6 52	T 23
F 24	7 9	17 58	1 24	17 25	0 53	12 19	1 21	7 49	0 1	19 16	0 58	17 51	1 26	5 29	0 48	2 54	1 40	26 28	10 37	20 37	20 47	21 8	11 28	6 52	F 24
S 25	6 46	20 4	0 22	17 13	1 1	11 53	1 22	8 6	0 2	19 16	0 58	17 52	1 26	5 30	0 48	2 55	1 40	26 29	10 37	20 37	20 46	21 8	11 29	6 52	S 25
S 26	6 23	21 18	0n40	17 0	1 9	11 26	1 23	8 23	0 2	19 17	0 59	17 54	1 26	5 31	0 48	2 55	1 40	26 29	10 37	20 37	20 45	21 8	11 30	6 51	S 26
M27	6 0	21 34	1 41	16 46	1 17	10 59	1 23	8 40	0 3	19 17	0 59	17 55	1 26	5 33	0 48	2 56	1 40	26 29	10 37	20 37	20 45	21 8	11 32	6 50	M27
T 28	5 37	20 52	2 38	16 31	1 25	10 32	1 24	8 57	0 4	19 17	0 59	17 56	1 26	5 34	0 48	2 57	1 40	26 30	10 37	20 36	20 44	21 9	11 33	6 50	T 28
W29	5s14	19s12	3n29	16s13	1s31	10s 5	1s24	9n13	0n 5	19s18	0n59	17n57	1n26	5n35	0n48	2n58	1s40	26n30	10n36	20s36	20s44	21s 9	11n34	6s49	W29

Julian Day Number = 2163771.5, Delta T = 12m57s
Ecliptic obliquity = 23°32'25, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'13, Lahiri = 12°52'13 Julian Calendar 1 Feb. 1212 == Greg. Calendar 8 Feb. 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

MARCH 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 3 33	17♓47'48	27♋38	21♒35	8♓47	24♈11	0♐ 7	14°R19	17°R47	11♈22	15°R 1	1°R38	2♐20	6♐57	8°R39	T 1
F 2	11 7 29	18°47'22	10♒20	22°53	10° 1	24°54	0° 8	14♌16	17♍44	11°24	15♌ 0	1♐30	2°17	7° 4	8♌36	F 2
S 3	11 11 26	19°46'54	23°23	24°13	11°16	25°37	0° 9	14°12	17°42	11°26	14°59	1°19	2°14	7°11	8°33	S 3
S 4	11 15 22	20°46'24	6♓48	25°35	12°31	26°19	0°11	14° 9	17°39	11°29	14°58	1° 7	2°10	7°17	8°31	S 4
M 5	11 19 19	21°45'52	20°33	26°58	13°45	27° 2	0°11	14° 6	17°36	11°31	14°56	0°56	2° 7	7°24	8°28	M 5
T 6	11 23 15	22°45'18	4♈34	28°23	15° 0	27°45	0°12	14° 2	17°34	11°33	14°55	0°45	2° 4	7°31	8°25	T 6
W 7	11 27 12	23°44'42	18°46	29°50	16°14	28°27	0°13	13°59	17°31	11°35	14°54	0°37	2° 1	7°37	8°23	W 7
T 8	11 31 8	24°44'04	3♉ 4	1♓18	17°29	29°10	0°13	13°56	17°29	11°37	14°53	0°32	1°58	7°44	8°20	T 8
F 9	11 35 5	25°43'23	17°24	2°47	18°43	29°52	0°R13	13°53	17°26	11°39	14°52	0°29	1°54	7°50	8°18	F 9
S 10	11 39 2	26°42'41	1♊42	4°18	19°58	0♉35	0°13	13°50	17°23	11°42	14°51	0°D28	1°51	7°57	8°16	S 10
S 11	11 42 58	27°41'55	15°54	5°50	21°12	1°17	0°13	13°47	17°21	11°44	14°50	0°29	1°48	8° 4	8°14	S 11
M12	11 46 55	28°41'08	0♋ 0	7°24	22°26	2° 0	0°13	13°45	17°18	11°46	14°49	0°R29	1°45	8°10	8°12	M12
T 13	11 50 51	29°40'18	13°59	9° 0	23°41	2°42	0°12	13°42	17°16	11°48	14°48	0°28	1°42	8°17	8°10	T 13
W14	11 54 48	0♈39'26	27°49	10°36	24°55	3°24	0°11	13°39	17°13	11°50	14°47	0°25	1°39	8°24	8° 8	W14
T 15	11 58 44	1°38'31	11♌31	12°14	26°10	4° 7	0°10	13°37	17°11	11°53	14°46	0°20	1°35	8°30	8° 6	T 15
F 16	12 2 41	2°37'34	25° 3	13°54	27°24	4°49	0° 9	13°35	17° 8	11°55	14°45	0°12	1°32	8°37	8° 4	F 16
S 17	12 6 37	3°36'34	8♍24	15°35	28°38	5°31	0° 8	13°32	17° 6	11°57	14°44	0° 3	1°29	8°44	8° 3	S 17
S 18	12 10 34	4°35'33	21°32	17°18	29°53	6°13	0° 6	13°30	17° 3	11°59	14°43	29♏53	1°26	8°50	8° 1	S 18
M19	12 14 31	5°34'29	4♎26	19° 2	1♈ 7	6°55	0° 5	13°28	17° 1	12° 2	14°43	29°43	1°23	8°57	8° 0	M19
T 20	12 18 27	6°33'23	17° 5	20°47	2°21	7°37	0° 3	13°26	16°59	12° 4	14°42	29°35	1°19	9° 4	7°59	T 20
W21	12 22 24	7°32'15	29°30	22°34	3°36	8°19	0° 1	13°24	16°56	12° 6	14°41	29°29	1°16	9°10	7°58	W21
T 22	12 26 20	8°31'05	11♏41	24°22	4°50	9° 1	29♏59	13°23	16°54	12° 8	14°40	29°25	1°13	9°17	7°57	T 22
F 23	12 30 17	9°29'54	23°40	26°12	6° 4	9°43	29°56	13°21	16°51	12°11	14°39	29°D23	1°10	9°24	7°56	F 23
S 24	12 34 13	10°28'40	5♐32	28° 4	7°18	10°25	29°53	13°19	16°49	12°13	14°39	29°23	1° 7	9°30	7°55	S 24
S 25	12 38 10	11°27'25	17°21	29°57	8°33	11° 7	29°51	13°18	16°47	12°15	14°38	29°24	1° 4	9°37	7°54	S 25
M26	12 42 6	12°26'08	29°10	1♈51	9°47	11°49	29°48	13°16	16°45	12°17	14°37	29°25	1° 0	9°43	7°53	M26
T 27	12 46 3	13°24'50	11♋ 5	3°47	11° 1	12°30	29°45	13°15	16°42	12°20	14°37	29°R26	0°57	9°50	7°53	T 27
W28	12 50 0	14°23'29	23°11	5°45	12°15	13°12	29°41	13°14	16°40	12°22	14°36	29°26	0°54	9°57	7°53	W28
T 29	12 53 56	15°22'07	5♒33	7°44	13°29	13°54	29°38	13°13	16°38	12°24	14°35	29°24	0°51	10° 3	7°52	T 29
F 30	12 57 53	16°20'43	18°16	9°44	14°44	14°35	29°34	13°12	16°36	12°27	14°35	29°20	0°48	10°10	7°52	F 30
S 31	13 1 49	17♈19'18	1♓23	11♈46	15♈58	15♉17	29♏30	13♌11	16♍34	12♈29	14♌34	29♏14	0♐45	10♐17	7°D52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s51	16s37	4n11	15s55	1s38	9s37	1s25	9n30	0n 5	19s18	0n59	17n58	1n26	5n36	0n48	2n59	1s40	26n30	10n36	20s35	20s43	21s 9	11n35	6s49
F 2	4 27	13 12	4 42	15 35	1 44	9 10	1 25	9 46	0 6	19 18	0 59	17 59	1 26	5 37	0 48	3 0	1 40	26 30	10 36	20 33	20 42	21 9	11 37	6 48
S 3	4 4	9 4	4 59	15 14	1 50	8 41	1 26	10 3	0 7	19 18	0 59	18 0	1 26	5 38	0 48	3 0	1 40	26 31	10 36	20 31	20 42	21 10	11 38	6 48
S 4	3 40	4 24	5 1	14 51	1 55	8 13	1 26	10 19	0 7	19 18	0 59	18 1	1 26	5 39	0 48	3 1	1 40	26 31	10 36	20 28	20 41	21 10	11 39	6 47
M 5	3 17	0n36	4 45	14 27	2 0	7 45	1 26	10 35	0 8	19 19	0 59	18 2	1 26	5 40	0 48	3 2	1 40	26 31	10 36	20 26	20 40	21 10	11 41	6 47
T 6	2 53	5 40	4 12	14 1	2 4	7 16	1 26	10 51	0 9	19 19	0 59	18 3	1 26	5 41	0 48	3 3	1 40	26 31	10 36	20 24	20 40	21 10	11 42	6 46
W 7	2 30	10 30	3 23	13 34	2 8	6 47	1 27	11 7	0 9	19 19	1 0	18 4	1 26	5 42	0 48	3 4	1 40	26 32	10 36	20 22	20 39	21 11	11 43	6 45
T 8	2 6	14 47	2 21	13 6	2 11	6 18	1 27	11 23	0 10	19 19	1 0	18 5	1 26	5 43	0 48	3 5	1 40	26 32	10 36	20 21	20 38	21 11	11 44	6 45
F 9	1 42	18 12	1 9	12 36	2 14	5 48	1 27	11 39	0 11	19 19	1 0	18 6	1 26	5 44	0 48	3 6	1 40	26 32	10 35	20 20	20 38	21 11	11 45	6 44
S 10	1 19	20 29	0s 7	12 5	2 16	5 19	1 26	11 54	0 11	19 19	1 0	18 6	1 26	5 45	0 48	3 7	1 40	26 32	10 35	20 20	20 37	21 11	11 47	6 44
S 11	0 55	21 26	1 21	11 33	2 19	4 49	1 26	12 10	0 12	19 18	1 0	18 7	1 25	5 46	0 48	3 7	1 40	26 32	10 35	20 20	20 37	21 11	11 48	6 43
M12	0 31	21 1	2 31	11 0	2 20	4 20	1 26	12 25	0 13	19 18	1 0	18 8	1 25	5 47	0 48	3 8	1 40	26 33	10 35	20 20	20 36	21 12	11 49	6 42
T 13	0 8	19 19	3 31	10 25	2 21	3 50	1 26	12 40	0 13	19 18	1 0	18 9	1 25	5 48	0 48	3 9	1 40	26 33	10 35	20 20	20 35	21 12	11 50	6 42
W14	0n16	16 29	4 18	9 48	2 22	3 20	1 25	12 55	0 14	19 18	1 0	18 9	1 25	5 49	0 48	3 10	1 40	26 33	10 35	20 19	20 35	21 12	11 51	6 41
T 15	0 39	12 46	4 49	9 11	2 22	2 50	1 25	13 10	0 15	19 18	1 0	18 10	1 25	5 50	0 48	3 11	1 40	26 33	10 35	20 18	20 34	21 12	11 52	6 40
F 16	1 3	8 27	5 4	8 32	2 21	2 20	1 25	13 25	0 15	19 17	1 0	18 11	1 25	5 51	0 48	3 12	1 40	26 33	10 34	20 17	20 33	21 12	11 53	6 40
S 17	1 26	3 47	5 2	7 52	2 21	1 50	1 24	13 40	0 16	19 17	1 0	18 11	1 25	5 52	0 48	3 13	1 40	26 33	10 34	20 15	20 33	21 12	11 54	6 39
S 18	1 50	0s59	4 44	7 11	2 19	1 19	1 23	13 55	0 17	19 16	1 0	18 12	1 25	5 52	0 48	3 14	1 40	26 34	10 34	20 13	20 32	21 13	11 55	6 38
M19	2 13	5 37	4 12	6 28	2 17	0 49	1 23	14 9	0 17	19 16	1 0	18 13	1 25	5 53	0 48	3 14	1 40	26 34	10 34	20 11	20 31	21 13	11 56	6 38
T 20	2 37	9 56	3 27	5 44	2 15	0 19	1 22	14 24	0 18	19 16	1 1	18 13	1 25	5 54	0 48	3 15	1 40	26 34	10 34	20 9	20 31	21 13	11 57	6 37
W21	3 0	13 44	2 34	4 59	2 12	0n12	1 21	14 38	0 18	19 15	1 1	18 14	1 25	5 55	0 48	3 16	1 40	26 34	10 34	20 7	20 30	21 13	11 58	6 36
T 22	3 23	16 53	1 34	4 13	2 9	0 42	1 20	14 52	0 19	19 15	1 1	18 14	1 25	5 56	0 48	3 17	1 40	26 34	10 33	20 7	20 29	21 13	11 59	6 35
F 23	3 47	19 16	0 31	3 25	2 5	1 12	1 19	15 6	0 20	19 14	1 1	18 15	1 25	5 57	0 48	3 18	1 40	26 34	10 33	20 6	20 29	21 13	12 0	6 35
S 24	4 10	20 46	0n33	2 37	2 0	1 43	1 19	15 20	0 20	19 13	1 1	18 15	1 25	5 58	0 48	3 19	1 40	26 34	10 33	20 6	20 28	21 14	12 1	6 34
S 25	4 33	21 21	1 36	1 47	1 56	2 13	1 18	15 33	0 21	19 13	1 1	18 15	1 25	5 59	0 48	3 20	1 40	26 34	10 33	20 6	20 27	21 14	12 2	6 33
M26	4 56	20 58	2 34	0 57	1 50	2 43	1 16	15 47	0 22	19 12	1 1	18 16	1 25	6 0	0 48	3 21	1 40	26 34	10 33	20 7	20 27	21 14	12 3	6 33
T 27	5 19	19 39	3 26	0 5	1 44	3 13	1 15	16 0	0 22	19 11	1 1	18 16	1 25	6 1	0 48	3 22	1 40	26 34	10 33	20 7	20 26	21 14	12 3	6 32
W28	5 42	17 26	4 10	0n48	1 38	3 44	1 14	16 14	0 23	19 11	1 1	18 16	1 25	6 1	0 48	3 22	1 40	26 34	10 32	20 7	20 26	21 14	12 4	6 31
T 29	6 5	14 22	4 44	1 41	1 31	4 14	1 13	16 27	0 23	19 10	1 1	18 16	1 25	6 2	0 48	3 23	1 40	26 34	10 32	20 6	20 25	21 14	12 5	6 30
F 30	6 27	10 35	5 4	2 36	1 23	4 44	1 12	16 40	0 24	19 9	1 1	18 17	1 25	6 3	0 48	3 24	1 40	26 34	10 32	20 6	20 24	21 14	12 6	6 30
S 31	6n50	6s12	5n10	3n31	1s15	5n14	1s10	16n53	0n24	19s 8	1n 1	18n17	1n25	6n 4	0n48	3n25	1s40	26n34	10n32	20s 4	20s24	21s14	12n 7	6s29

Julian Day Number = 2163800.5, Delta T = 12m57s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'17, Lahiri = 12°52'17 Julian Calendar 1 March 1212 == Greg. Calendar 8 March 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

APRIL 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 5 46	18♈17'50	14♓55	13♈49	17♈12	15♉58	29°R26	13°R11	16°R31	12♈31	14°R34	29°R 8	0♐41	10♐23	7♎52	S 1
M 2	13 9 42	19°16'21	28°51	15°53	18°26	16°40	29♏22	13♎10	16♍29	12°33	14♎33	29♏ 2	0°38	10°30	7°52	M 2
T 3	13 13 39	20°14'50	13♈ 8	17°59	19°40	17°21	29°18	13° 9	16°27	12°36	14°33	28°56	0°35	10°37	7°52	T 3
W 4	13 17 35	21°13'17	27°42	20° 5	20°54	18° 3	29°13	13° 9	16°25	12°38	14°32	28°51	0°32	10°43	7°53	W 4
T 5	13 21 32	22°11'42	12♉25	22°13	22° 9	18°44	29° 9	13° 9	16°23	12°40	14°32	28°48	0°29	10°50	7°53	T 5
F 6	13 25 28	23°10'06	27°10	24°21	23°23	19°26	29° 4	13° 8	16°21	12°42	14°32	28°D47	0°25	10°57	7°54	F 6
S 7	13 29 25	24° 8'27	11♊51	26°29	24°37	20° 7	28°59	13°D 8	16°20	12°45	14°31	28°48	0°22	11° 3	7°54	S 7
S 8	13 33 22	25° 6'46	26°22	28°38	25°51	20°48	28°54	13° 8	16°18	12°47	14°31	28°49	0°19	11°10	7°55	S 8
M 9	13 37 18	26° 5'03	10♋39	0♉47	27° 5	21°29	28°49	13° 9	16°16	12°49	14°31	28°51	0°16	11°17	7°56	M 9
T 10	13 41 15	27° 3'18	24°42	2°55	28°19	22°11	28°43	13° 9	16°14	12°51	14°30	28°R51	0°13	11°23	7°57	T 10
W11	13 45 11	28° 1'31	8♌28	5° 3	29°33	22°52	28°38	13° 9	16°12	12°53	14°30	28°51	0°10	11°30	7°58	W11
T 12	13 49 8	28°59'42	21°57	7°10	0♉47	23°33	28°32	13°10	16°11	12°56	14°30	28°49	0° 6	11°36	7°59	T 12
F 13	13 53 4	29°57'51	5♍12	9°16	2° 1	24°14	28°26	13°10	16° 9	12°58	14°30	28°46	0° 3	11°43	8° 0	F 13
S 14	13 57 1	0♉55'57	18°12	11°20	3°15	24°55	28°21	13°11	16° 7	13° 0	14°30	28°42	0° 0	11°50	8° 2	S 14
S 15	14 0 57	1°54'02	0♎58	13°23	4°29	25°36	28°14	13°12	16° 6	13° 2	14°29	28°38	29♏57	11°56	8° 3	S 15
M16	14 4 54	2°52'05	13°32	15°23	5°43	26°17	28° 8	13°12	16° 4	13° 4	14°29	28°34	29°54	12° 3	8° 5	M16
T 17	14 8 51	3°50'06	25°53	17°21	6°57	26°58	28° 2	13°13	16° 3	13° 6	14°29	28°30	29°50	12°10	8° 7	T 17
W18	14 12 47	4°48'06	8♏ 4	19°17	8°11	27°39	27°56	13°14	16° 1	13° 9	14°29	28°27	29°47	12°16	8° 8	W18
T 19	14 16 44	5°46'03	20° 5	21°10	9°24	28°19	27°49	13°16	16° 0	13°11	14°D29	28°26	29°44	12°23	8°10	T 19
F 20	14 20 40	6°44'00	2♐ 0	23° 0	10°38	29° 0	27°43	13°17	15°59	13°13	14°29	28°D26	29°41	12°30	8°12	F 20
S 21	14 24 37	7°41'55	13°49	24°47	11°52	29°41	27°36	13°18	15°57	13°15	14°29	28°27	29°38	12°36	8°14	S 21
S 22	14 28 33	8°39'48	25°37	26°31	13° 6	0♊22	27°29	13°20	15°56	13°17	14°29	28°28	29°35	12°43	8°17	S 22
M23	14 32 30	9°37'40	7♑27	28°11	14°20	1° 2	27°22	13°21	15°55	13°19	14°30	28°30	29°31	12°50	8°19	M23
T 24	14 36 26	10°35'31	19°22	29°48	15°34	1°43	27°15	13°23	15°54	13°21	14°30	28°31	29°28	12°56	8°21	T 24
W25	14 40 23	11°33'20	1♒28	1♊22	16°48	2°23	27° 8	13°25	15°53	13°23	14°30	28°32	29°25	13° 3	8°24	W25
T 26	14 44 20	12°31'09	13°49	2°52	18° 1	3° 4	27° 1	13°27	15°52	13°25	14°30	28°R32	29°22	13°10	8°27	T 26
F 27	14 48 16	13°28'56	26°30	4°19	19°15	3°45	26°54	13°29	15°50	13°27	14°30	28°32	29°19	13°16	8°29	F 27
S 28	14 52 13	14°26'41	9♓33	5°41	20°29	4°25	26°47	13°31	15°49	13°29	14°30	28°31	29°16	13°23	8°32	S 28
S 29	14 56 9	15°24'26	23° 3	7° 1	21°43	5° 6	26°39	13°33	15°49	13°31	14°31	28°29	29°12	13°29	8°35	S 29
M30	15 0 6	16♉22'09	6♈59	8♊16	22♉57	5♊46	26♏32	13♎35	15♍48	13♈33	14♎31	28♏28	29♏ 9	13♐36	8♎38	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n12	1s23	4n58	4n27	1s 7	5n43	1s 9	17n 5	0n25	19s 7	1n 1	18n17	1n25	6n 5	0n48	3n26	1s40	26n34	10n32	20s 3	20s23	21s14	12n 7	6s28
M 2	7 35	3n39	4 29	5 23	0 58	6 13	1 7	17 18	0 26	19 6	1 1	18 17	1 24	6 5	0 48	3 27	1 40	26 34	10 31	20 2	20 22	21 14	12 8	6 27
T 3	7 57	8 38	3 43	6 20	0 49	6 43	1 6	17 30	0 26	19 5	1 1	18 17	1 24	6 6	0 48	3 28	1 40	26 34	10 31	20 0	20 22	21 15	12 9	6 27
W 4	8 19	13 12	2 41	7 17	0 39	7 12	1 4	17 42	0 27	19 4	1 1	18 17	1 24	6 7	0 48	3 29	1 40	26 34	10 31	19 59	20 21	21 15	12 9	6 26
T 5	8 41	17 2	1 28	8 14	0 29	7 41	1 3	17 55	0 27	19 3	1 1	18 17	1 24	6 8	0 48	3 29	1 40	26 34	10 31	19 59	20 20	21 15	12 10	6 25
F 6	9 2	19 45	0 9	9 11	0 19	8 10	1 1	18 6	0 28	19 2	1 1	18 17	1 24	6 8	0 48	3 30	1 40	26 34	10 30	19 58	20 20	21 15	12 10	6 25
S 7	9 24	21 8	1s11	10 7	0 9	8 39	0 59	18 18	0 28	19 1	1 1	18 17	1 24	6 9	0 48	3 31	1 40	26 34	10 30	19 59	20 19	21 15	12 11	6 24
S 8	9 46	21 4	2 25	11 4	0n 2	9 8	0 58	18 30	0 29	19 0	1 1	18 17	1 24	6 10	0 48	3 32	1 40	26 33	10 30	19 59	20 18	21 15	12 12	6 23
M 9	10 7	19 38	3 29	11 59	0 13	9 36	0 56	18 41	0 29	18 59	1 2	18 17	1 24	6 11	0 48	3 33	1 40	26 33	10 30	19 59	20 18	21 15	12 12	6 22
T 10	10 28	17 1	4 19	12 54	0 23	10 5	0 54	18 52	0 30	18 58	1 2	18 17	1 24	6 11	0 48	3 34	1 40	26 33	10 30	19 59	20 17	21 15	12 13	6 22
W11	10 49	13 30	4 54	13 48	0 34	10 33	0 52	19 4	0 31	18 56	1 2	18 17	1 24	6 12	0 48	3 35	1 40	26 33	10 29	19 59	20 16	21 15	12 13	6 21
T 12	11 10	9 20	5 11	14 40	0 45	11 0	0 50	19 14	0 31	18 55	1 2	18 17	1 24	6 12	0 48	3 35	1 40	26 33	10 29	19 59	20 16	21 15	12 13	6 20
F 13	11 30	4 49	5 11	15 31	0 55	11 28	0 48	19 25	0 32	18 54	1 2	18 16	1 24	6 13	0 48	3 36	1 40	26 33	10 29	19 58	20 15	21 15	12 14	6 19
S 14	11 51	0 9	4 55	16 20	1 5	11 55	0 46	19 36	0 32	18 52	1 2	18 16	1 24	6 14	0 48	3 37	1 40	26 33	10 29	19 57	20 14	21 15	12 14	6 19
S 15	12 11	4s26	4 25	17 7	1 15	12 22	0 44	19 46	0 33	18 51	1 2	18 16	1 24	6 14	0 48	3 38	1 40	26 32	10 29	19 56	20 13	21 15	12 15	6 18
M16	12 31	8 46	3 42	17 52	1 25	12 49	0 42	19 56	0 33	18 50	1 2	18 16	1 24	6 15	0 48	3 39	1 40	26 32	10 28	19 55	20 13	21 15	12 15	6 17
T 17	12 51	12 40	2 50	18 35	1 33	13 15	0 40	20 6	0 34	18 48	1 2	18 15	1 24	6 15	0 48	3 39	1 40	26 32	10 28	19 55	20 12	21 15	12 15	6 16
W18	13 11	15 59	1 50	19 15	1 42	13 41	0 38	20 16	0 34	18 47	1 2	18 15	1 23	6 16	0 48	3 40	1 40	26 32	10 28	19 54	20 11	21 15	12 15	6 16
T 19	13 30	18 35	0 46	19 53	1 50	14 7	0 36	20 26	0 35	18 46	1 2	18 14	1 23	6 16	0 48	3 41	1 40	26 32	10 28	19 54	20 11	21 15	12 16	6 15
F 20	13 49	20 20	0n20	20 29	1 57	14 32	0 34	20 36	0 35	18 44	1 1	18 14	1 23	6 17	0 47	3 42	1 40	26 31	10 27	19 54	20 10	21 15	12 16	6 14
S 21	14 8	21 10	1 24	21 2	2 3	14 57	0 32	20 45	0 36	18 43	1 1	18 14	1 23	6 17	0 47	3 43	1 40	26 31	10 27	19 54	20 9	21 15	12 16	6 13
S 22	14 27	21 3	2 25	21 33	2 9	15 22	0 29	20 54	0 36	18 41	1 1	18 13	1 23	6 18	0 47	3 44	1 40	26 31	10 27	19 54	20 9	21 15	12 16	6 13
M23	14 45	20 1	3 19	22 1	2 14	15 46	0 27	21 3	0 37	18 40	1 1	18 12	1 23	6 18	0 47	3 44	1 40	26 31	10 27	19 54	20 8	21 15	12 16	6 12
T 24	15 4	18 5	4 6	22 27	2 18	16 10	0 25	21 12	0 37	18 38	1 1	18 12	1 23	6 19	0 47	3 45	1 40	26 30	10 26	19 55	20 7	21 15	12 16	6 11
W25	15 22	15 20	4 42	22 50	2 22	16 34	0 23	21 20	0 38	18 36	1 1	18 11	1 23	6 19	0 47	3 46	1 40	26 30	10 26	19 55	20 7	21 15	12 16	6 10
T 26	15 40	11 51	5 6	23 11	2 24	16 57	0 20	21 29	0 38	18 35	1 1	18 11	1 23	6 20	0 47	3 47	1 40	26 30	10 26	19 55	20 6	21 15	12 17	6 10
F 27	15 57	7 46	5 17	23 29	2 26	17 19	0 18	21 37	0 39	18 33	1 1	18 10	1 23	6 20	0 47	3 47	1 41	26 30	10 26	19 55	20 5	21 15	12 17	6 9
S 28	16 14	3 13	5 11	23 45	2 27	17 42	0 16	21 45	0 39	18 32	1 1	18 9	1 23	6 20	0 47	3 48	1 41	26 29	10 26	19 55	20 5	21 15	12 16	6 8
S 29	16 31	1n38	4 48	23 59	2 27	18 3	0 13	21 53	0 39	18 30	1 1	18 9	1 23	6 21	0 47	3 49	1 41	26 29	10 25	19 54	20 4	21 15	12 16	6 8
M30	16n48	6n35	4n 8	24n11	2n26	18n25	0s11	22n 1	0n40	18s28	1n 1	18n 8	1n23	6n21	0n47	3n50	1s41	26n29	10n25	19s54	20s 3	21s15	12n16	6s 7

Julian Day Number = 2163831.5, Delta T = 12m57s
Ecliptic obliquity = 23°32'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'21, Lahiri = 12°52'21 Julian Calendar 1 Apr. 1212 == Greg. Calendar 8 Apr. 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

MAY 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 4 2	17♉19'52	21♈20	9♊28	24♉10	6♊26	26°R25	13♌38	15°R47	13♈35	14♌31	28°R26	29♏ 6	13♐43	8♌41	T 1
W 2	15 7 59	18°17'33	6♉ 3	10°36	25°24	7° 7	26♏17	13°40	15♍46	13°37	14°32	28♏25	29° 3	13°49	8°44	W 2
T 3	15 11 55	19°15'13	21° 0	11°39	26°38	7°47	26°10	13°43	15°45	13°39	14°32	28°D25	29° 0	13°56	8°48	T 3
F 4	15 15 52	20°12'52	6♊ 4	12°39	27°52	8°27	26° 2	13°46	15°45	13°41	14°33	28°25	28°56	14° 3	8°51	F 4
S 5	15 19 49	21°10'29	21° 6	13°35	29° 5	9° 8	25°55	13°48	15°44	13°43	14°33	28°25	28°53	14° 9	8°55	S 5
S 6	15 23 45	22° 8'05	5♋58	14°27	0♊19	9°48	25°47	13°51	15°43	13°45	14°34	28°26	28°50	14°16	8°58	S 6
M 7	15 27 42	23° 5'40	20°33	15°15	1°33	10°28	25°39	13°54	15°43	13°47	14°34	28°26	28°47	14°23	9° 2	M 7
T 8	15 31 38	24° 3'13	4♌47	15°58	2°47	11° 8	25°32	13°57	15°42	13°49	14°35	28°27	28°44	14°29	9° 6	T 8
W 9	15 35 35	25° 0'44	18°38	16°37	4° 0	11°48	25°24	14° 0	15°42	13°50	14°35	28°27	28°41	14°36	9° 9	W 9
T 10	15 39 31	25°58'15	2♍ 7	17°12	5°14	12°28	25°16	14° 4	15°42	13°52	14°36	28°R27	28°37	14°43	9°13	T 10
F 11	15 43 28	26°55'43	15°14	17°42	6°28	13° 8	25° 9	14° 7	15°41	13°54	14°36	28°27	28°34	14°49	9°17	F 11
S 12	15 47 24	27°53'11	28° 2	18° 7	7°41	13°48	25° 1	14°10	15°41	13°56	14°37	28°27	28°31	14°56	9°22	S 12
S 13	15 51 21	28°50'37	10♎33	18°28	8°55	14°28	24°54	14°14	15°41	13°57	14°38	28°D27	28°28	15° 3	9°26	S 13
M14	15 55 18	29°48'02	22°51	18°45	10° 8	15° 8	24°46	14°18	15°41	13°59	14°38	28°27	28°25	15° 9	9°30	M14
T 15	15 59 14	0♊45'25	4♏59	18°56	11°22	15°48	24°38	14°21	15°41	14° 1	14°39	28°27	28°22	15°16	9°34	T 15
W16	16 3 11	1°42'48	16°58	19° 4	12°36	16°28	24°31	14°25	15°D41	14° 2	14°40	28°27	28°18	15°23	9°39	W16
T 17	16 7 7	2°40'10	28°51	19°R 6	13°49	17° 8	24°23	14°29	15°41	14° 4	14°41	28°R27	28°15	15°29	9°43	T 17
F 18	16 11 4	3°37'31	10♐41	19° 4	15° 3	17°48	24°16	14°33	15°41	14° 6	14°41	28°27	28°12	15°36	9°48	F 18
S 19	16 15 0	4°34'51	22°29	18°58	16°16	18°27	24° 8	14°37	15°41	14° 7	14°42	28°27	28° 9	15°42	9°53	S 19
S 20	16 18 57	5°32'10	4♑18	18°47	17°30	19° 7	24° 1	14°41	15°41	14° 9	14°43	28°26	28° 6	15°49	9°58	S 20
M21	16 22 53	6°29'29	16°11	18°32	18°43	19°47	23°54	14°45	15°41	14°11	14°44	28°25	28° 2	15°56	10° 2	M21
T 22	16 26 50	7°26'47	28°10	18°13	19°57	20°27	23°46	14°50	15°41	14°12	14°45	28°24	27°59	16° 2	10° 7	T 22
W23	16 30 47	8°24'04	10♒19	17°51	21°10	21° 6	23°39	14°54	15°42	14°14	14°46	28°23	27°56	16° 9	10°12	W23
T 24	16 34 43	9°21'21	22°41	17°26	22°24	21°46	23°32	14°58	15°42	14°15	14°47	28°22	27°53	16°16	10°17	T 24
F 25	16 38 40	10°18'38	5♓20	16°58	23°37	22°25	23°25	15° 3	15°43	14°16	14°48	28°D21	27°50	16°22	10°23	F 25
S 26	16 42 36	11°15'54	18°19	16°28	24°51	23° 5	23°18	15° 8	15°43	14°18	14°49	28°21	27°47	16°29	10°28	S 26
S 27	16 46 33	12°13'09	1♈41	15°56	26° 4	23°45	23°11	15°12	15°44	14°19	14°50	28°22	27°43	16°36	10°33	S 27
M28	16 50 29	13°10'25	15°30	15°22	27°18	24°24	23° 4	15°17	15°44	14°21	14°51	28°23	27°40	16°42	10°39	M28
T 29	16 54 26	14° 7'40	29°43	14°48	28°31	25° 4	22°58	15°22	15°45	14°22	14°52	28°24	27°37	16°49	10°44	T 29
W30	16 58 22	15° 4'55	14♉21	14°14	29°45	25°43	22°51	15°27	15°45	14°23	14°53	28°25	27°34	16°56	10°50	W30
T 31	17 2 19	16♊ 2'10	29♉18	13♊41	0♋58	26♊23	22♏44	15♌32	15♍46	14♈25	14♌54	28°R25	27♏31	17♐ 2	10♌55	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 5	11n19	3n12	24n20	2n24	18n45	0s 9	22n 8	0n40	18s27	1n 1	18n 7	1n23	6n21	0n47	3n50	1s41	26n28	10n25	19s54	20s 3	21s15	12n16	6s 6
W 2	17 21	15 30	2 1	24 28	2 21	19 6	0 6	22 16	0 41	18 25	1 1	18 6	1 22	6 21	0 47	3 51	1 41	26 28	10 25	19 54	20 2	21 15	12 16	6 5
T 3	17 37	18 45	0 41	24 33	2 18	19 25	0 4	22 23	0 41	18 23	1 1	18 6	1 22	6 22	0 47	3 52	1 41	26 28	10 24	19 53	20 1	21 15	12 16	6 5
F 4	17 52	20 43	0s42	24 37	2 13	19 45	0 1	22 30	0 42	18 22	1 1	18 5	1 22	6 22	0 47	3 52	1 41	26 27	10 24	19 53	20 0	21 15	12 16	6 4
S 5	18 8	21 12	2 3	24 38	2 8	20 3	0n 1	22 36	0 42	18 20	1 1	18 4	1 22	6 22	0 47	3 53	1 41	26 27	10 24	19 54	20 0	21 15	12 16	6 3
S 6	18 23	20 11	3 14	24 38	2 1	20 22	0 3	22 43	0 43	18 18	1 1	18 3	1 22	6 22	0 47	3 54	1 41	26 27	10 24	19 54	19 59	21 15	12 15	6 3
M 7	18 37	17 49	4 11	24 37	1 54	20 39	0 6	22 49	0 43	18 17	1 0	18 2	1 22	6 22	0 47	3 55	1 41	26 26	10 23	19 54	19 58	21 15	12 15	6 2
T 8	18 52	14 26	4 51	24 33	1 46	20 56	0 8	22 55	0 43	18 15	1 0	18 1	1 22	6 23	0 47	3 55	1 41	26 26	10 23	19 54	19 58	21 15	12 15	6 1
W 9	19 6	10 20	5 13	24 28	1 37	21 13	0 11	23 1	0 44	18 13	1 0	18 0	1 22	6 23	0 47	3 56	1 41	26 26	10 23	19 54	19 57	21 14	12 14	6 1
T 10	19 20	5 50	5 17	24 22	1 27	21 29	0 13	23 7	0 44	18 11	1 0	17 59	1 22	6 23	0 47	3 57	1 41	26 25	10 23	19 54	19 56	21 14	12 14	6 0
F 11	19 33	1 10	5 4	24 14	1 16	21 44	0 15	23 13	0 45	18 10	1 0	17 58	1 22	6 23	0 47	3 57	1 41	26 25	10 23	19 54	19 56	21 14	12 14	5 59
S 12	19 46	3s26	4 37	24 5	1 4	21 59	0 18	23 18	0 45	18 8	1 0	17 57	1 22	6 23	0 47	3 58	1 41	26 24	10 22	19 54	19 55	21 14	12 13	5 59
S 13	19 59	7 49	3 56	23 54	0 52	22 13	0 20	23 23	0 46	18 6	1 0	17 56	1 22	6 23	0 47	3 59	1 41	26 24	10 22	19 54	19 54	21 14	12 13	5 58
M14	20 12	11 47	3 5	23 42	0 39	22 26	0 23	23 28	0 46	18 4	1 0	17 55	1 22	6 23	0 47	3 59	1 41	26 23	10 22	19 54	19 53	21 14	12 12	5 57
T 15	20 24	15 14	2 7	23 29	0 25	22 39	0 25	23 33	0 46	18 3	1 0	17 54	1 22	6 23	0 46	4 0	1 41	26 23	10 22	19 54	19 53	21 14	12 12	5 57
W16	20 35	17 59	1 3	23 15	0 10	22 51	0 27	23 37	0 47	18 1	0 59	17 52	1 22	6 23	0 46	4 0	1 41	26 23	10 21	19 54	19 52	21 14	12 11	5 56
T 17	20 47	19 57	0n 2	23 0	0s 5	23 3	0 30	23 42	0 47	17 59	0 59	17 51	1 22	6 23	0 46	4 1	1 41	26 22	10 21	19 54	19 51	21 14	12 11	5 55
F 18	20 58	21 2	1 7	22 44	0 21	23 14	0 32	23 46	0 48	17 58	0 59	17 50	1 21	6 23	0 46	4 2	1 41	26 22	10 21	19 54	19 51	21 13	12 10	5 55
S 19	21 9	21 10	2 10	22 27	0 38	23 24	0 34	23 50	0 48	17 56	0 59	17 49	1 21	6 23	0 46	4 2	1 41	26 21	10 21	19 54	19 50	21 13	12 9	5 54
S 20	21 19	20 22	3 6	22 10	0 54	23 33	0 37	23 54	0 48	17 54	0 59	17 48	1 21	6 23	0 46	4 3	1 41	26 21	10 21	19 54	19 49	21 13	12 9	5 53
M21	21 29	18 40	3 55	21 51	1 11	23 42	0 39	23 57	0 49	17 53	0 59	17 46	1 21	6 23	0 46	4 3	1 41	26 20	10 20	19 53	19 48	21 13	12 8	5 53
T 22	21 39	16 8	4 34	21 33	1 29	23 51	0 41	24 1	0 49	17 51	0 59	17 45	1 21	6 22	0 46	4 4	1 42	26 20	10 20	19 53	19 48	21 13	12 7	5 52
W23	21 48	12 53	5 2	21 14	1 46	23 58	0 43	24 4	0 49	17 49	0 58	17 44	1 21	6 22	0 46	4 4	1 42	26 19	10 20	19 53	19 47	21 13	12 7	5 52
T 24	21 57	9 2	5 16	20 55	2 3	24 5	0 46	24 7	0 50	17 48	0 58	17 42	1 21	6 22	0 46	4 5	1 42	26 19	10 20	19 53	19 46	21 13	12 6	5 51
F 25	22 5	4 43	5 15	20 35	2 19	24 11	0 48	24 9	0 50	17 46	0 58	17 41	1 21	6 22	0 46	4 5	1 42	26 18	10 20	19 53	19 46	21 12	12 5	5 50
S 26	22 13	0 4	4 58	20 16	2 35	24 16	0 50	24 12	0 51	17 45	0 58	17 39	1 21	6 22	0 46	4 6	1 42	26 18	10 19	19 53	19 45	21 12	12 4	5 50
S 27	22 21	4n44	4 25	19 58	2 51	24 21	0 52	24 14	0 51	17 43	0 58	17 38	1 21	6 21	0 46	4 6	1 42	26 17	10 19	19 53	19 44	21 12	12 3	5 49
M28	22 29	9 27	3 36	19 39	3 6	24 25	0 54	24 17	0 51	17 41	0 58	17 37	1 21	6 21	0 46	4 7	1 42	26 17	10 19	19 53	19 43	21 12	12 3	5 49
T 29	22 36	13 48	2 32	19 22	3 20	24 28	0 56	24 18	0 52	17 40	0 57	17 35	1 21	6 21	0 46	4 7	1 42	26 16	10 19	19 53	19 43	21 12	12 2	5 48
W30	22 42	17 26	1 17	19 5	3 32	24 30	0 58	24 20	0 52	17 38	0 57	17 34	1 21	6 21	0 46	4 8	1 42	26 16	10 19	19 53	19 42	21 12	12 1	5 48
T 31	22n48	20n 0	0s 5	18n50	3s44	24n32	1n 0	24n22	0n52	17s37	0n57	17n32	1n21	6n20	0n46	4n 8	1s42	26n15	10n18	19s53	19s41	21s11	12n 0	5s47

Julian Day Number = 2163861.5, Delta T = 12m56s
Ecliptic obliquity = 23°32'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'25, Lahiri = 12°52'25 Julian Calendar 1 May 1212 == Greg. Calendar 8 May 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

JUNE 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 6 16	16♊59'24	14♊27	13°R 8	2♋12	27♊ 2	22°R38	15♌37	15♍47	14♈26	14♌55	28°R25	27♏28	17♐ 9	11♌ 1	F 1
S 2	17 10 12	17°56'38	29°39	12♊37	3°25	27°41	22♏32	15°42	15°48	14°27	14°57	28♏23	27°24	17°16	11° 7	S 2
S 3	17 14 9	18°53'52	14♋45	12° 8	4°39	28°21	22°25	15°47	15°49	14°28	14°58	28°21	27°21	17°22	11°12	S 3
M 4	17 18 5	19°51'05	29°34	11°42	5°52	29° 0	22°19	15°52	15°50	14°30	14°59	28°18	27°18	17°29	11°18	M 4
T 5	17 22 2	20°48'17	14♌ 2	11°19	7° 5	29°39	22°13	15°58	15°51	14°31	15° 0	28°16	27°15	17°36	11°24	T 5
W 6	17 25 58	21°45'29	28° 3	10°59	8°19	0♋19	22° 8	16° 3	15°52	14°32	15° 1	28°13	27°12	17°42	11°30	W 6
T 7	17 29 55	22°42'40	11♍37	10°44	9°32	0°58	22° 2	16° 9	15°53	14°33	15° 3	28°12	27° 8	17°49	11°36	T 7
F 8	17 33 51	23°39'51	24°44	10°32	10°46	1°37	21°56	16°14	15°54	14°34	15° 4	28°D11	27° 5	17°56	11°43	F 8
S 9	17 37 48	24°37'01	7♎28	10°25	11°59	2°16	21°51	16°20	15°55	14°35	15° 5	28°12	27° 2	18° 2	11°49	S 9
S 10	17 41 45	25°34'11	19°53	10°D22	13°12	2°56	21°46	16°25	15°57	14°36	15° 7	28°13	26°59	18° 9	11°55	S 10
M11	17 45 41	26°31'20	2♏ 3	10°24	14°26	3°35	21°40	16°31	15°58	14°37	15° 8	28°15	26°56	18°16	12° 1	M11
T 12	17 49 38	27°28'29	14° 2	10°31	15°39	4°14	21°35	16°37	15°59	14°38	15° 9	28°16	26°53	18°22	12° 8	T 12
W13	17 53 34	28°25'38	25°54	10°42	16°52	4°53	21°31	16°43	16° 1	14°39	15°11	28°R17	26°49	18°29	12°14	W13
T 14	17 57 31	29°22'47	7♐43	10°59	18° 6	5°32	21°26	16°49	16° 2	14°40	15°12	28°17	26°46	18°36	12°21	T 14
F 15	18 1 27	0♋19'56	19°30	11°21	19°19	6°11	21°21	16°55	16° 4	14°41	15°14	28°15	26°43	18°42	12°27	F 15
S 16	18 5 24	1°17'05	1♑20	11°47	20°32	6°50	21°17	17° 1	16° 5	14°42	15°15	28°12	26°40	18°49	12°34	S 16
S 17	18 9 20	2°14'13	13°14	12°19	21°45	7°29	21°13	17° 7	16° 7	14°42	15°17	28° 7	26°37	18°55	12°40	S 17
M18	18 13 17	3°11'22	25°14	12°55	22°59	8° 8	21° 9	17°13	16° 8	14°43	15°18	28° 1	26°34	19° 2	12°47	M18
T 19	18 17 14	4° 8'31	7♒21	13°37	24°12	8°47	21° 5	17°19	16°10	14°44	15°20	27°55	26°30	19° 9	12°54	T 19
W20	18 21 10	5° 5'41	19°38	14°23	25°25	9°26	21° 1	17°25	16°12	14°45	15°21	27°49	26°27	19°15	13° 1	W20
T 21	18 25 7	6° 2'50	2♓ 7	15°14	26°38	10° 5	20°57	17°32	16°14	14°45	15°23	27°43	26°24	19°22	13° 7	T 21
F 22	18 29 3	7° 0'01	14°49	16°10	27°51	10°44	20°54	17°38	16°15	14°46	15°24	27°40	26°21	19°29	13°14	F 22
S 23	18 33 0	7°57'11	27°48	17°10	29° 5	11°23	20°51	17°44	16°17	14°47	15°26	27°38	26°18	19°35	13°21	S 23
S 24	18 36 56	8°54'22	11♈ 6	18°16	0♌18	12° 1	20°47	17°51	16°19	14°47	15°28	27°D37	26°14	19°42	13°28	S 24
M25	18 40 53	9°51'34	24°46	19°25	1°31	12°40	20°44	17°57	16°21	14°48	15°29	27°38	26°11	19°49	13°35	M25
T 26	18 44 49	10°48'47	8♉48	20°39	2°44	13°19	20°42	18° 4	16°23	14°48	15°31	27°39	26° 8	19°55	13°42	T 26
W27	18 48 46	11°46'00	23°12	21°58	3°57	13°58	20°39	18°10	16°25	14°49	15°33	27°R40	26° 5	20° 2	13°50	W27
T 28	18 52 43	12°43'14	7♊56	23°21	5°10	14°37	20°37	18°17	16°27	14°49	15°34	27°40	26° 2	20° 9	13°57	T 28
F 29	18 56 39	13°40'29	22°56	24°48	6°23	15°16	20°35	18°24	16°30	14°50	15°36	27°37	25°59	20°15	14° 4	F 29
S 30	19 0 36	14♋37'44	8♋ 3	26♊19	7♌37	15♋54	20♏33	18♌30	16♍32	14♈50	15♌38	27♏33	25♏55	20♐22	14♌11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n54	21n11	1s28	18n35	3s55	24n33	1n 2	24n23	0n53	17s35	0n57	17n30	1n21	6n20	0n46	4n 9	1s42	26n15	10n18	19s53	19s41	21s11	11n59	5s47
S 2	22 59	20 48	2 44	18 23	4 4	24 34	1 4	24 24	0 53	17 34	0 57	17 29	1 21	6 19	0 46	4 9	1 42	26 14	10 18	19 53	19 40	21 11	11 58	5 46
S 3	23 4	18 56	3 49	18 11	4 11	24 33	1 6	24 25	0 53	17 33	0 56	17 27	1 21	6 19	0 46	4 10	1 42	26 14	10 18	19 53	19 39	21 11	11 57	5 45
M 4	23 9	15 49	4 37	18 2	4 18	24 32	1 8	24 26	0 54	17 31	0 56	17 26	1 21	6 19	0 46	4 10	1 42	26 13	10 18	19 52	19 38	21 11	11 56	5 45
T 5	23 13	11 49	5 6	17 54	4 23	24 30	1 9	24 26	0 54	17 30	0 56	17 24	1 21	6 18	0 46	4 10	1 42	26 13	10 18	19 51	19 38	21 10	11 55	5 44
W 6	23 17	7 16	5 15	17 47	4 26	24 28	1 11	24 27	0 54	17 29	0 56	17 22	1 21	6 18	0 46	4 11	1 42	26 12	10 17	19 51	19 37	21 10	11 53	5 44
T 7	23 20	2 31	5 7	17 43	4 28	24 24	1 13	24 27	0 55	17 27	0 56	17 21	1 21	6 17	0 45	4 11	1 42	26 12	10 17	19 51	19 36	21 10	11 52	5 43
F 8	23 23	2s13	4 42	17 41	4 29	24 20	1 14	24 27	0 55	17 26	0 55	17 19	1 21	6 17	0 45	4 12	1 42	26 11	10 17	19 50	19 35	21 10	11 51	5 43
S 9	23 26	6 43	4 4	17 41	4 28	24 15	1 16	24 27	0 55	17 25	0 55	17 17	1 20	6 16	0 45	4 12	1 42	26 10	10 17	19 51	19 35	21 9	11 50	5 42
S 10	23 28	10 50	3 16	17 42	4 26	24 10	1 17	24 26	0 56	17 24	0 55	17 16	1 20	6 16	0 45	4 12	1 43	26 10	10 17	19 51	19 34	21 9	11 49	5 42
M11	23 30	14 25	2 19	17 46	4 23	24 4	1 19	24 25	0 56	17 23	0 55	17 14	1 20	6 15	0 45	4 13	1 43	26 9	10 17	19 51	19 33	21 9	11 48	5 41
T 12	23 31	17 21	1 18	17 51	4 19	23 57	1 20	24 25	0 56	17 22	0 55	17 12	1 20	6 15	0 45	4 13	1 43	26 9	10 16	19 52	19 32	21 9	11 46	5 41
W13	23 32	19 31	0 13	17 58	4 13	23 49	1 22	24 23	0 57	17 21	0 54	17 10	1 20	6 14	0 45	4 13	1 43	26 8	10 16	19 52	19 32	21 9	11 45	5 40
T 14	23 32	20 50	0n51	18 7	4 7	23 41	1 23	24 22	0 57	17 20	0 54	17 8	1 20	6 13	0 45	4 13	1 43	26 8	10 16	19 52	19 31	21 8	11 44	5 40
F 15	23 32	21 14	1 54	18 17	3 59	23 32	1 24	24 21	0 57	17 19	0 54	17 7	1 20	6 13	0 45	4 14	1 43	26 7	10 16	19 51	19 30	21 8	11 42	5 39
S 16	23 32	20 41	2 51	18 29	3 51	23 22	1 25	24 19	0 57	17 18	0 54	17 5	1 20	6 12	0 45	4 14	1 43	26 6	10 16	19 50	19 30	21 8	11 41	5 39
S 17	23 31	19 13	3 41	18 42	3 42	23 12	1 26	24 17	0 58	17 17	0 53	17 3	1 20	6 12	0 45	4 14	1 43	26 6	10 16	19 49	19 29	21 7	11 39	5 39
M18	23 30	16 53	4 22	18 56	3 32	23 1	1 28	24 15	0 58	17 16	0 53	17 1	1 20	6 11	0 45	4 14	1 43	26 5	10 16	19 48	19 28	21 7	11 38	5 38
T 19	23 28	13 49	4 51	19 11	3 22	22 49	1 29	24 13	0 58	17 15	0 53	16 59	1 20	6 10	0 45	4 15	1 43	26 5	10 16	19 47	19 27	21 7	11 37	5 38
W20	23 26	10 7	5 8	19 28	3 11	22 37	1 29	24 11	0 59	17 14	0 53	16 57	1 20	6 9	0 45	4 15	1 43	26 4	10 15	19 45	19 27	21 7	11 35	5 37
T 21	23 24	5 57	5 10	19 45	2 59	22 24	1 30	24 8	0 59	17 14	0 53	16 55	1 20	6 9	0 45	4 15	1 43	26 3	10 15	19 44	19 26	21 6	11 34	5 37
F 22	23 21	1 26	4 57	20 3	2 47	22 10	1 31	24 5	0 59	17 13	0 52	16 53	1 20	6 8	0 45	4 15	1 43	26 3	10 15	19 43	19 25	21 6	11 32	5 36
S 23	23 18	3n14	4 29	20 21	2 35	21 56	1 32	24 2	0 59	17 12	0 52	16 51	1 20	6 7	0 45	4 16	1 43	26 2	10 15	19 43	19 24	21 6	11 31	5 36
S 24	23 14	7 52	3 46	20 40	2 22	21 41	1 33	23 59	1 0	17 12	0 52	16 49	1 20	6 6	0 45	4 16	1 43	26 2	10 15	19 43	19 24	21 5	11 29	5 36
M25	23 10	12 15	2 49	20 58	2 9	21 25	1 33	23 56	1 0	17 11	0 52	16 47	1 20	6 6	0 45	4 16	1 43	26 1	10 15	19 43	19 23	21 5	11 27	5 35
T 26	23 6	16 5	1 41	21 17	1 56	21 9	1 34	23 52	1 0	17 11	0 51	16 45	1 20	6 5	0 45	4 16	1 44	26 0	10 15	19 43	19 22	21 5	11 26	5 35
W27	23 1	19 2	0 24	21 36	1 42	20 52	1 34	23 48	1 1	17 10	0 51	16 43	1 20	6 4	0 45	4 16	1 44	26 0	10 15	19 43	19 21	21 5	11 24	5 35
T 28	22 56	20 49	0s55	21 54	1 29	20 35	1 35	23 45	1 1	17 10	0 51	16 41	1 20	6 3	0 45	4 16	1 44	25 59	10 15	19 43	19 21	21 4	11 22	5 34
F 29	22 50	21 9	2 12	22 11	1 15	20 17	1 35	23 40	1 1	17 9	0 51	16 39	1 20	6 2	0 45	4 16	1 44	25 59	10 15	19 43	19 20	21 4	11 21	5 34
S 30	22n44	19n57	3s21	22n28	1s 2	19n59	1n35	23n36	1n 1	17s 9	0n50	16n37	1n20	6n 1	0n45	4n16	1s44	25n58	10n14	19s42	19s19	21s 4	11n19	5s33

Julian Day Number = 2163892.5, Delta T = 12m56s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'29, Lahiri = 12°52'30 Julian Calendar 1 June 1212 == Greg. Calendar 8 June 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

JULY 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 32	15♋35'00	23♋ 8	27♊55	8♌50	16♋33	20°R31	18♌37	16♍34	14♈50	15♌39	27°R27	25♏52	20♐29	14♌18	S 1
M 2	19 8 29	16°32'16	8♌ 1	29°34	10° 3	17°12	20♏29	18°44	16°36	14°51	15°41	27♏20	25°49	20°35	14°26	M 2
T 3	19 12 25	17°29'33	22°35	1♋17	11°16	17°50	20°27	18°51	16°39	14°51	15°43	27°12	25°46	20°42	14°33	T 3
W 4	19 16 22	18°26'50	6♍43	3° 3	12°29	18°29	20°26	18°58	16°41	14°51	15°45	27° 6	25°43	20°49	14°41	W 4
T 5	19 20 19	19°24'08	20°22	4°52	13°42	19° 8	20°25	19° 5	16°43	14°51	15°46	27° 0	25°40	20°55	14°48	T 5
F 6	19 24 15	20°21'26	3♎34	6°45	14°55	19°46	20°24	19°11	16°46	14°52	15°48	26°57	25°36	21° 2	14°55	F 6
S 7	19 28 12	21°18'44	16°19	8°40	16° 8	20°25	20°23	19°18	16°48	14°52	15°50	26°D55	25°33	21° 9	15° 3	S 7
S 8	19 32 8	22°16'03	28°43	10°38	17°21	21° 4	20°23	19°25	16°51	14°52	15°52	26°56	25°30	21°15	15°10	S 8
M 9	19 36 5	23°13'22	10♏51	12°38	18°34	21°42	20°22	19°33	16°53	14°52	15°54	26°56	25°27	21°22	15°18	M 9
T 10	19 40 1	24°10'42	22°47	14°39	19°47	22°21	20°22	19°40	16°56	14°52	15°55	26°R57	25°24	21°29	15°26	T 10
W11	19 43 58	25° 8'03	4♐36	16°42	20°59	22°59	20°D22	19°47	16°59	14°R52	15°57	26°57	25°20	21°35	15°33	W11
T 12	19 47 54	26° 5'24	16°24	18°46	22°12	23°38	20°22	19°54	17° 1	14°52	15°59	26°55	25°17	21°42	15°41	T 12
F 13	19 51 51	27° 2'46	28°13	20°51	23°25	24°16	20°23	20° 1	17° 4	14°52	16° 1	26°51	25°14	21°49	15°49	F 13
S 14	19 55 48	28° 0'09	10♑ 7	22°56	24°38	24°55	20°23	20° 8	17° 7	14°52	16° 3	26°44	25°11	21°55	15°56	S 14
S 15	19 59 44	28°57'32	22° 9	25° 1	25°51	25°33	20°24	20°15	17°10	14°52	16° 5	26°35	25° 8	22° 2	16° 4	S 15
M16	20 3 41	29°54'57	4♒19	27° 7	27° 3	26°12	20°25	20°23	17°12	14°52	16° 6	26°24	25° 5	22° 9	16°12	M16
T 17	20 7 37	0♌52'23	16°40	29°12	28°16	26°50	20°26	20°30	17°15	14°51	16° 8	26°13	25° 1	22°15	16°19	T 17
W18	20 11 34	1°49'49	29°11	1♌16	29°29	27°29	20°27	20°37	17°18	14°51	16°10	26° 1	24°58	22°22	16°27	W18
T 19	20 15 30	2°47'17	11♓53	3°19	0♍42	28° 7	20°29	20°45	17°21	14°51	16°12	25°52	24°55	22°29	16°35	T 19
F 20	20 19 27	3°44'46	24°47	5°22	1°54	28°46	20°30	20°52	17°24	14°51	16°14	25°44	24°52	22°35	16°43	F 20
S 21	20 23 23	4°42'17	7♈54	7°24	3° 7	29°24	20°32	20°59	17°27	14°50	16°16	25°38	24°49	22°42	16°51	S 21
S 22	20 27 20	5°39'48	21°15	9°24	4°20	0♌ 2	20°34	21° 7	17°30	14°50	16°18	25°36	24°45	22°49	16°59	S 22
M23	20 31 17	6°37'22	4♉51	11°23	5°32	0°41	20°36	21°14	17°33	14°50	16°20	25°D35	24°42	22°55	17° 6	M23
T 24	20 35 13	7°34'57	18°44	13°21	6°45	1°19	20°38	21°22	17°36	14°49	16°22	25°R35	24°39	23° 2	17°14	T 24
W25	20 39 10	8°32'33	2♊55	15°18	7°57	1°57	20°41	21°29	17°39	14°49	16°24	25°35	24°36	23° 9	17°22	W25
T 26	20 43 6	9°30'11	17°22	17°13	9°10	2°36	20°44	21°37	17°43	14°49	16°26	25°34	24°33	23°15	17°30	T 26
F 27	20 47 3	10°27'51	2♋ 2	19° 7	10°22	3°14	20°47	21°44	17°46	14°48	16°28	25°30	24°30	23°22	17°38	F 27
S 28	20 50 59	11°25'32	16°51	20°59	11°35	3°52	20°50	21°52	17°49	14°48	16°29	25°23	24°26	23°29	17°46	S 28
S 29	20 54 56	12°23'15	1♌40	22°50	12°47	4°31	20°53	21°59	17°52	14°47	16°31	25°14	24°23	23°35	17°54	S 29
M30	20 58 52	13°20'59	16°23	24°39	14° 0	5° 9	20°56	22° 7	17°55	14°46	16°33	25° 3	24°20	23°42	18° 2	M30
T 31	21 2 49	14♌18'44	0♍50	26♌27	15♍12	5♌47	21♏ 0	22♌14	17♍59	14♈46	16♌35	24♏52	24♏17	23♐49	18♌10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n38	17n22	4s15	22n43	0s48	19n40	1n35	23n32	1n 2	17s 9	0n50	16n35	1n20	6n 0	0n45	4n17	1s44	25n57	10n14	19s40	19s18	21s 3	11n17	5s33
M 2	22 31	13 40	4 50	22 57	0 35	19 20	1 35	23 27	1 2	17 9	0 50	16 33	1 20	5 59	0 44	4 17	1 44	25 57	10 14	19 39	19 18	21 3	11 16	5 33
T 3	22 23	9 13	5 7	23 10	0 22	19 0	1 36	23 22	1 2	17 8	0 50	16 30	1 20	5 59	0 44	4 17	1 44	25 56	10 14	19 37	19 17	21 3	11 14	5 32
W 4	22 16	4 23	5 3	23 21	0 10	18 39	1 35	23 17	1 2	17 8	0 49	16 28	1 20	5 58	0 44	4 17	1 44	25 55	10 14	19 35	19 16	21 2	11 12	5 32
T 5	22 8	0s30	4 43	23 29	0n 2	18 18	1 35	23 12	1 3	17 8	0 49	16 26	1 20	5 57	0 44	4 17	1 44	25 55	10 14	19 34	19 15	21 2	11 10	5 32
F 6	21 59	5 12	4 7	23 36	0 14	17 57	1 35	23 7	1 3	17 8	0 49	16 24	1 20	5 56	0 44	4 17	1 44	25 54	10 14	19 33	19 15	21 2	11 8	5 32
S 7	21 51	9 32	3 21	23 41	0 25	17 35	1 35	23 1	1 3	17 8	0 49	16 22	1 20	5 55	0 44	4 17	1 44	25 54	10 14	19 33	19 14	21 1	11 7	5 31
S 8	21 41	13 20	2 26	23 43	0 36	17 12	1 35	22 55	1 3	17 8	0 48	16 19	1 20	5 54	0 44	4 17	1 44	25 53	10 14	19 33	19 13	21 1	11 5	5 31
M 9	21 32	16 30	1 26	23 42	0 46	16 49	1 34	22 50	1 3	17 9	0 48	16 17	1 20	5 53	0 44	4 17	1 44	25 52	10 14	19 33	19 12	21 0	11 3	5 31
T 10	21 22	18 54	0 22	23 39	0 55	16 26	1 34	22 44	1 4	17 9	0 48	16 15	1 20	5 52	0 44	4 17	1 44	25 52	10 14	19 34	19 11	21 0	11 1	5 30
W11	21 12	20 29	0n41	23 33	1 4	16 2	1 33	22 37	1 4	17 9	0 48	16 13	1 20	5 50	0 44	4 17	1 44	25 51	10 14	19 33	19 11	21 0	10 59	5 30
T 12	21 1	21 9	1 42	23 24	1 12	15 38	1 33	22 31	1 4	17 9	0 47	16 11	1 20	5 49	0 44	4 17	1 45	25 51	10 14	19 33	19 10	20 59	10 57	5 30
F 13	20 50	20 52	2 39	23 13	1 19	15 13	1 32	22 24	1 4	17 10	0 47	16 8	1 20	5 48	0 44	4 16	1 45	25 50	10 14	19 32	19 9	20 59	10 55	5 30
S 14	20 39	19 40	3 29	22 59	1 25	14 48	1 31	22 18	1 5	17 10	0 47	16 6	1 20	5 47	0 44	4 16	1 45	25 49	10 14	19 30	19 8	20 59	10 53	5 29
S 15	20 27	17 35	4 11	22 42	1 30	14 22	1 30	22 11	1 5	17 10	0 47	16 4	1 20	5 46	0 44	4 16	1 45	25 49	10 14	19 28	19 8	20 58	10 51	5 29
M16	20 15	14 42	4 41	22 23	1 35	13 57	1 29	22 4	1 5	17 11	0 46	16 1	1 20	5 45	0 44	4 16	1 45	25 48	10 14	19 26	19 7	20 58	10 49	5 29
T 17	20 3	11 9	4 59	22 1	1 39	13 30	1 28	21 57	1 5	17 11	0 46	15 59	1 20	5 44	0 44	4 16	1 45	25 48	10 14	19 23	19 6	20 57	10 47	5 29
W18	19 50	7 5	5 2	21 37	1 42	13 4	1 27	21 49	1 5	17 12	0 46	15 57	1 20	5 43	0 44	4 16	1 45	25 47	10 14	19 21	19 5	20 57	10 45	5 28
T 19	19 37	2 39	4 51	21 11	1 44	12 37	1 26	21 42	1 6	17 13	0 46	15 54	1 20	5 41	0 44	4 16	1 45	25 46	10 14	19 18	19 5	20 57	10 43	5 28
F 20	19 24	1n59	4 25	20 43	1 46	12 10	1 25	21 34	1 6	17 13	0 45	15 52	1 20	5 40	0 44	4 16	1 45	25 46	10 14	19 16	19 4	20 56	10 41	5 28
S 21	19 10	6 35	3 45	20 13	1 46	11 42	1 24	21 26	1 6	17 14	0 45	15 50	1 20	5 39	0 44	4 15	1 45	25 45	10 14	19 15	19 3	20 56	10 38	5 28
S 22	18 56	10 58	2 52	19 41	1 47	11 14	1 22	21 18	1 6	17 15	0 45	15 47	1 20	5 38	0 44	4 15	1 45	25 45	10 14	19 14	19 2	20 55	10 36	5 28
M23	18 42	14 53	1 48	19 8	1 46	10 46	1 21	21 10	1 6	17 15	0 45	15 45	1 21	5 37	0 44	4 15	1 45	25 44	10 14	19 14	19 1	20 55	10 34	5 27
T 24	18 27	18 3	0 36	18 34	1 45	10 18	1 19	21 2	1 7	17 16	0 45	15 43	1 21	5 35	0 44	4 15	1 45	25 43	10 14	19 14	19 1	20 54	10 32	5 27
W25	18 12	20 12	0s39	17 58	1 43	9 49	1 18	20 53	1 7	17 17	0 44	15 40	1 21	5 34	0 44	4 15	1 45	25 43	10 14	19 14	19 0	20 54	10 30	5 27
T 26	17 57	21 4	1 53	17 21	1 41	9 20	1 16	20 45	1 7	17 18	0 44	15 38	1 21	5 33	0 44	4 14	1 45	25 42	10 14	19 14	18 59	20 54	10 28	5 27
F 27	17 41	20 31	3 0	16 43	1 38	8 51	1 14	20 36	1 7	17 19	0 44	15 36	1 21	5 32	0 44	4 14	1 45	25 42	10 14	19 13	18 58	20 53	10 25	5 27
S 28	17 26	18 34	3 56	16 4	1 35	8 22	1 13	20 27	1 7	17 20	0 44	15 33	1 21	5 30	0 44	4 14	1 45	25 41	10 14	19 11	18 58	20 53	10 23	5 27
S 29	17 9	15 23	4 37	15 24	1 31	7 52	1 11	20 18	1 7	17 21	0 43	15 31	1 21	5 29	0 44	4 14	1 46	25 41	10 14	19 9	18 57	20 52	10 21	5 26
M30	16 53	11 15	4 58	14 44	1 27	7 23	1 9	20 9	1 8	17 22	0 43	15 28	1 21	5 28	0 44	4 13	1 46	25 40	10 14	19 7	18 56	20 52	10 19	5 26
T 31	16n36	6n33	5s 0	14n 3	1n23	6n53	1n 7	20n 0	1n 8	17s23	0n43	15n26	1n21	5n26	0n44	4n13	1s46	25n39	10n14	19s 4	18s55	20s51	10n16	5s26

Julian Day Number = 2163922.5, Delta T = 12m56s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'33, Lahiri = 12°52'34 Julian Calendar 1 July 1212 == Greg. Calendar 8 July 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

AUGUST 1212 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 6 46	15♌16'31	14♍55	28♌14	16♍25	6♌26	21♏ 3	22♌22	18♍ 2	14°R45	16♌37	24°R42	24♏14	23♐55	18♌18	W 1
T 2	21 10 42	16°14'19	28°35	29°59	17°37	7° 4	21° 7	22°29	18° 5	14♈44	16°39	24♏33	24°11	24° 2	18°26	T 2
F 3	21 14 39	17°12'08	11♎48	1♍43	18°49	7°42	21°11	22°37	18° 9	14°44	16°41	24°26	24° 7	24° 9	18°34	F 3
S 4	21 18 35	18° 9'58	24°35	3°26	20° 2	8°20	21°16	22°44	18°12	14°43	16°43	24°23	24° 4	24°15	18°42	S 4
S 5	21 22 32	19° 7'50	7♏ 1	5° 7	21°14	8°59	21°20	22°52	18°15	14°42	16°45	24°21	24° 1	24°22	18°50	S 5
M 6	21 26 28	20° 5'43	19° 9	6°46	22°26	9°37	21°25	22°59	18°19	14°41	16°47	24°21	23°58	24°29	18°58	M 6
T 7	21 30 25	21° 3'37	1♐ 5	8°25	23°38	10°15	21°29	23° 7	18°22	14°41	16°49	24°21	23°55	24°35	19° 6	T 7
W 8	21 34 21	22° 1'33	12°55	10° 2	24°51	10°53	21°34	23°15	18°26	14°40	16°51	24°20	23°51	24°42	19°14	W 8
T 9	21 38 18	22°59'30	24°44	11°38	26° 3	11°31	21°39	23°22	18°29	14°39	16°53	24°17	23°48	24°49	19°22	T 9
F 10	21 42 15	23°57'28	6♑36	13°12	27°15	12°10	21°44	23°30	18°33	14°38	16°55	24°12	23°45	24°55	19°30	F 10
S 11	21 46 11	24°55'28	18°35	14°45	28°27	12°48	21°50	23°37	18°36	14°37	16°57	24° 4	23°42	25° 2	19°38	S 11
S 12	21 50 8	25°53'30	0♒45	16°17	29°39	13°26	21°55	23°45	18°40	14°36	16°59	23°54	23°39	25° 9	19°46	S 12
M13	21 54 4	26°51'33	13° 8	17°47	0♎51	14° 4	22° 1	23°53	18°43	14°35	17° 1	23°41	23°36	25°15	19°54	M13
T 14	21 58 1	27°49'37	25°44	19°17	2° 3	14°42	22° 7	24° 0	18°47	14°34	17° 2	23°28	23°32	25°22	20° 2	T 14
W15	22 1 57	28°47'43	8♓33	20°44	3°15	15°20	22°13	24° 8	18°51	14°33	17° 4	23°15	23°29	25°29	20°10	W15
T 16	22 5 54	29°45'51	21°35	22°11	4°27	15°58	22°19	24°15	18°54	14°32	17° 6	23° 4	23°26	25°35	20°18	T 16
F 17	22 9 50	0♍44'01	4♈48	23°36	5°38	16°37	22°25	24°23	18°58	14°31	17° 8	22°54	23°23	25°42	20°26	F 17
S 18	22 13 47	1°42'13	18°12	25° 0	6°50	17°15	22°32	24°30	19° 1	14°30	17°10	22°48	23°20	25°49	20°34	S 18
S 19	22 17 43	2°40'27	1♉47	26°22	8° 2	17°53	22°38	24°38	19° 5	14°29	17°12	22°45	23°17	25°55	20°42	S 19
M20	22 21 40	3°38'43	15°31	27°43	9°14	18°31	22°45	24°45	19° 9	14°28	17°14	22°43	23°13	26° 2	20°50	M20
T 21	22 25 37	4°37'01	29°24	29° 3	10°25	19° 9	22°52	24°53	19°12	14°26	17°16	22°43	23°10	26° 9	20°58	T 21
W22	22 29 33	5°35'22	13♊28	0♎21	11°37	19°47	22°59	25° 0	19°16	14°25	17°18	22°43	23° 7	26°15	21° 5	W22
T 23	22 33 30	6°33'44	27°41	1°37	12°48	20°25	23° 6	25° 8	19°20	14°24	17°19	22°42	23° 4	26°22	21°13	T 23
F 24	22 37 26	7°32'09	12♋ 1	2°52	14° 0	21° 3	23°13	25°15	19°24	14°23	17°21	22°38	23° 1	26°29	21°21	F 24
S 25	22 41 23	8°30'36	26°26	4° 5	15°12	21°41	23°21	25°23	19°27	14°21	17°23	22°32	22°57	26°35	21°29	S 25
S 26	22 45 19	9°29'05	10♌51	5°17	16°23	22°19	23°28	25°30	19°31	14°20	17°25	22°23	22°54	26°42	21°37	S 26
M27	22 49 16	10°27'36	25°11	6°26	17°34	22°57	23°36	25°38	19°35	14°19	17°27	22°12	22°51	26°49	21°45	M27
T 28	22 53 12	11°26'09	9♍18	7°34	18°46	23°36	23°44	25°45	19°39	14°17	17°29	22° 1	22°48	26°55	21°52	T 28
W29	22 57 9	12°24'44	23° 9	8°39	19°57	24°14	23°52	25°53	19°42	14°16	17°30	21°51	22°45	27° 2	22° 0	W29
T 30	23 1 6	13°23'20	6♎39	9°43	21° 8	24°52	24° 0	26° 0	19°46	14°15	17°32	21°42	22°42	27° 9	22° 8	T 30
F 31	23 5 2	14♍21'59	19♎46	10♎43	22♎20	25♌30	24♏ 8	26♌ 7	19♍50	14♈13	17♌34	21♏35	22♏38	27♐15	22♌16	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n19	1n37	4s43	13n21	1n18	6n23	1n 5	19n50	1n 8	17s25	0n43	15n23	1n21	5n25	0n44	4n13	1s46	25n39	10n14	19s 1	18s54	20s51	10n14	5s26
T 2	16 2	3s16	4 10	12 39	1 13	5 52	1 2	19 41	1 8	17 26	0 42	15 21	1 21	5 24	0 44	4 12	1 46	25 38	10 14	18 59	18 54	20 50	10 12	5 26
F 3	15 45	7 50	3 25	11 57	1 7	5 22	1 0	19 31	1 8	17 27	0 42	15 19	1 21	5 22	0 44	4 12	1 46	25 38	10 14	18 58	18 53	20 50	10 9	5 26
S 4	15 27	11 54	2 31	11 14	1 1	4 51	0 58	19 21	1 8	17 29	0 42	15 16	1 21	5 21	0 44	4 12	1 46	25 37	10 14	18 57	18 52	20 49	10 7	5 26
S 5	15 9	15 20	1 31	10 32	0 55	4 20	0 56	19 11	1 9	17 30	0 42	15 14	1 21	5 20	0 44	4 11	1 46	25 37	10 14	18 56	18 51	20 49	10 5	5 26
M 6	14 51	18 2	0 28	9 49	0 48	3 50	0 53	19 1	1 9	17 31	0 42	15 11	1 21	5 18	0 44	4 11	1 46	25 36	10 14	18 56	18 51	20 49	10 2	5 26
T 7	14 32	19 53	0n36	9 6	0 42	3 19	0 51	18 51	1 9	17 33	0 41	15 9	1 21	5 17	0 43	4 11	1 46	25 36	10 15	18 56	18 50	20 48	10 0	5 26
W 8	14 14	20 51	1 37	8 22	0 35	2 48	0 48	18 41	1 9	17 34	0 41	15 6	1 21	5 16	0 43	4 10	1 46	25 35	10 15	18 56	18 49	20 48	9 58	5 26
T 9	13 55	20 53	2 33	7 39	0 27	2 17	0 46	18 30	1 9	17 36	0 41	15 4	1 21	5 14	0 43	4 10	1 46	25 35	10 15	18 55	18 48	20 47	9 55	5 25
F 10	13 35	19 59	3 24	6 56	0 20	1 45	0 43	18 20	1 9	17 37	0 41	15 2	1 21	5 13	0 43	4 10	1 46	25 34	10 15	18 54	18 47	20 47	9 53	5 25
S 11	13 16	18 11	4 5	6 13	0 13	1 14	0 40	18 9	1 9	17 39	0 40	14 59	1 22	5 11	0 43	4 9	1 46	25 34	10 15	18 52	18 47	20 46	9 50	5 25
S 12	12 57	15 34	4 37	5 31	0 5	0 43	0 38	17 58	1 10	17 41	0 40	14 57	1 22	5 10	0 43	4 9	1 46	25 33	10 15	18 49	18 46	20 46	9 48	5 25
M13	12 37	12 14	4 55	4 48	0s 3	0 12	0 35	17 47	1 10	17 42	0 40	14 54	1 22	5 9	0 43	4 8	1 46	25 33	10 15	18 46	18 45	20 45	9 45	5 25
T 14	12 17	8 17	5 0	4 6	0 11	0s20	0 32	17 36	1 10	17 44	0 40	14 52	1 22	5 7	0 43	4 8	1 46	25 32	10 15	18 43	18 44	20 44	9 43	5 25
W15	11 57	3 55	4 50	3 24	0 19	0 51	0 29	17 25	1 10	17 46	0 40	14 49	1 22	5 6	0 43	4 7	1 46	25 32	10 15	18 40	18 43	20 44	9 41	5 25
T 16	11 36	0n42	4 24	2 42	0 27	1 23	0 26	17 14	1 10	17 48	0 39	14 47	1 22	5 4	0 43	4 7	1 46	25 31	10 16	18 37	18 43	20 43	9 38	5 25
F 17	11 16	5 21	3 45	2 0	0 36	1 54	0 23	17 2	1 10	17 49	0 39	14 44	1 22	5 3	0 43	4 7	1 47	25 31	10 16	18 35	18 42	20 43	9 36	5 25
S 18	10 55	9 49	2 52	1 19	0 44	2 25	0 20	16 51	1 10	17 51	0 39	14 42	1 22	5 1	0 43	4 6	1 47	25 30	10 16	18 33	18 41	20 42	9 33	5 25
S 19	10 34	13 50	1 48	0 39	0 52	2 57	0 17	16 39	1 10	17 53	0 39	14 39	1 22	5 0	0 43	4 6	1 47	25 30	10 16	18 32	18 40	20 42	9 31	5 25
M20	10 13	17 10	0 38	0s 1	1 1	3 28	0 14	16 28	1 11	17 55	0 39	14 37	1 22	4 59	0 43	4 5	1 47	25 29	10 16	18 32	18 39	20 41	9 28	5 25
T 21	9 51	19 32	0s35	0 41	1 9	3 59	0 10	16 16	1 11	17 57	0 38	14 35	1 22	4 57	0 43	4 5	1 47	25 29	10 16	18 32	18 39	20 41	9 26	5 25
W22	9 30	20 44	1 48	1 20	1 18	4 30	0 7	16 4	1 11	17 59	0 38	14 32	1 22	4 56	0 43	4 4	1 47	25 28	10 16	18 32	18 38	20 40	9 23	5 25
T 23	9 8	20 37	2 54	1 58	1 26	5 1	0 4	15 52	1 11	18 1	0 38	14 30	1 23	4 54	0 43	4 4	1 47	25 28	10 17	18 31	18 37	20 40	9 21	5 25
F 24	8 47	19 11	3 50	2 36	1 35	5 32	0 0	15 40	1 11	18 3	0 38	14 27	1 23	4 53	0 43	4 3	1 47	25 27	10 17	18 30	18 36	20 39	9 18	5 26
S 25	8 25	16 31	4 32	3 13	1 43	6 3	0s 3	15 27	1 11	18 5	0 37	14 25	1 23	4 51	0 43	4 3	1 47	25 27	10 17	18 29	18 35	20 39	9 16	5 26
S 26	8 3	12 50	4 56	3 49	1 52	6 34	0 6	15 15	1 11	18 7	0 37	14 22	1 23	4 50	0 43	4 2	1 47	25 27	10 17	18 27	18 35	20 38	9 13	5 26
M27	7 41	8 27	5 2	4 24	2 0	7 5	0 10	15 3	1 11	18 9	0 37	14 20	1 23	4 48	0 43	4 1	1 47	25 26	10 17	18 24	18 34	20 37	9 10	5 26
T 28	7 18	3 39	4 49	4 58	2 8	7 35	0 13	14 50	1 11	18 11	0 37	14 17	1 23	4 47	0 43	4 1	1 47	25 26	10 18	18 21	18 33	20 37	9 8	5 26
W29	6 56	1s14	4 19	5 32	2 16	8 5	0 17	14 38	1 12	18 13	0 37	14 15	1 23	4 45	0 43	4 0	1 47	25 25	10 18	18 18	18 32	20 36	9 5	5 26
T 30	6 33	5 56	3 35	6 4	2 24	8 36	0 20	14 25	1 12	18 16	0 37	14 13	1 23	4 44	0 43	4 0	1 47	25 25	10 18	18 16	18 31	20 36	9 3	5 26
F 31	6n11	10s14	2s40	6s35	2s32	9s 6	0s24	14n12	1n12	18s18	0n36	14n10	1n23	4n42	0n43	3n59	1s47	25n25	10n18	18s14	18s31	20s35	9n 0	5s26

Julian Day Number = 2163953.5, Delta T = 12m56s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'38, Lahiri = 12°52'38 Julian Calendar 1 Aug. 1212 == Greg. Calendar 8 Aug. 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

SEPTEMBER 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 59	15♍20'40	2♏31	11♎42	23♎31	26♌ 8	24♏16	26♌15	19♍54	14°R12	17♌36	21°R31	22♏35	27♐22	22♌23	S 1
S 2	23 12 55	16°19'22	14°56	12°37	24°42	26°46	24°25	26°22	19°57	14♈10	17°38	21♏29	22°32	27°29	22°31	S 2
M 3	23 16 52	17°18'06	27° 5	13°30	25°53	27°24	24°33	26°29	20° 1	14° 9	17°39	21°D29	22°29	27°35	22°39	M 3
T 4	23 20 48	18°16'52	9♐ 2	14°20	27° 4	28° 2	24°42	26°36	20° 5	14° 8	17°41	21°30	22°26	27°42	22°46	T 4
W 5	23 24 45	19°15'40	20°53	15° 6	28°15	28°40	24°51	26°44	20° 9	14° 6	17°43	21°R30	22°23	27°49	22°54	W 5
T 6	23 28 41	20°14'30	2♑43	15°48	29°26	29°18	25° 0	26°51	20°12	14° 5	17°44	21°29	22°19	27°55	23° 1	T 6
F 7	23 32 38	21°13'21	14°37	16°27	0♏37	29°56	25° 9	26°58	20°16	14° 3	17°46	21°26	22°16	28° 2	23° 9	F 7
S 8	23 36 35	22°12'14	26°39	17° 1	1°48	0♍34	25°18	27° 5	20°20	14° 2	17°48	21°21	22°13	28° 9	23°16	S 8
S 9	23 40 31	23°11'09	8♒55	17°30	2°59	1°12	25°27	27°12	20°24	14° 0	17°49	21°14	22°10	28°15	23°24	S 9
M10	23 44 28	24°10'06	21°27	17°54	4° 9	1°50	25°37	27°19	20°28	13°58	17°51	21° 5	22° 7	28°22	23°31	M10
T 11	23 48 24	25° 9'04	4♓16	18°13	5°20	2°28	25°46	27°26	20°31	13°57	17°53	20°55	22° 3	28°29	23°38	T 11
W12	23 52 21	26° 8'05	17°22	18°26	6°30	3° 6	25°56	27°33	20°35	13°55	17°54	20°45	22° 0	28°35	23°46	W12
T 13	23 56 17	27° 7'07	0♈45	18°R32	7°41	3°44	26° 6	27°40	20°39	13°54	17°56	20°36	21°57	28°42	23°53	T 13
F 14	0 0 14	28° 6'12	14°23	18°32	8°51	4°22	26°15	27°47	20°43	13°52	17°58	20°29	21°54	28°49	24° 0	F 14
S 15	0 4 10	29° 5'19	28°12	18°25	10° 2	4°59	26°25	27°54	20°46	13°51	17°59	20°25	21°51	28°55	24° 7	S 15
S 16	0 8 7	0♎ 4'28	12♉ 9	18°10	11°12	5°37	26°35	28° 1	20°50	13°49	18° 1	20°23	21°48	29° 2	24°15	S 16
M17	0 12 3	1° 3'39	26°12	17°47	12°22	6°15	26°45	28° 8	20°54	13°47	18° 2	20°D23	21°44	29° 9	24°22	M17
T 18	0 16 0	2° 2'53	10♊19	17°16	13°32	6°53	26°56	28°14	20°58	13°46	18° 4	20°24	21°41	29°15	24°29	T 18
W19	0 19 57	3° 2'10	24°27	16°37	14°42	7°31	27° 6	28°21	21° 1	13°44	18° 5	20°25	21°38	29°22	24°36	W19
T 20	0 23 53	4° 1'28	8♋36	15°51	15°52	8° 9	27°17	28°28	21° 5	13°42	18° 7	20°R25	21°35	29°29	24°43	T 20
F 21	0 27 50	5° 0'49	22°44	14°57	17° 2	8°47	27°27	28°34	21° 9	13°41	18° 8	20°23	21°32	29°35	24°50	F 21
S 22	0 31 46	6° 0'13	6♌49	13°56	18°12	9°25	27°38	28°41	21°12	13°39	18° 9	20°20	21°28	29°42	24°57	S 22
S 23	0 35 43	6°59'38	20°49	12°50	19°22	10° 3	27°48	28°47	21°16	13°37	18°11	20°15	21°25	29°49	25° 3	S 23
M24	0 39 39	7°59'06	4♍40	11°40	20°31	10°41	27°59	28°54	21°20	13°36	18°12	20° 8	21°22	29°55	25°10	M24
T 25	0 43 36	8°58'37	18°21	10°28	21°41	11°19	28°10	29° 0	21°24	13°34	18°14	20° 1	21°19	0♑ 2	25°17	T 25
W26	0 47 32	9°58'09	1♎48	9°15	22°51	11°57	28°21	29° 7	21°27	13°32	18°15	19°54	21°16	0° 9	25°23	W26
T 27	0 51 29	10°57'44	14°59	8° 4	24° 0	12°35	28°32	29°13	21°31	13°31	18°16	19°49	21°13	0°15	25°30	T 27
F 28	0 55 26	11°57'20	27°53	6°57	25° 9	13°13	28°43	29°19	21°34	13°29	18°18	19°45	21° 9	0°22	25°37	F 28
S 29	0 59 22	12°56'59	10♏29	5°55	26°19	13°51	28°55	29°26	21°38	13°27	18°19	19°43	21° 6	0°29	25°43	S 29
S 30	1 3 19	13♎56'39	22♏49	5♎ 1	27♏28	14♍29	29♏ 6	29♌32	21♍42	13♈26	18♌20	19°D42	21♏ 3	0♑35	25♌49	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n48	13s57	1s39	7s 5	2s39	9s35	0s27	13n59	1n12	18s20	0n36	14n 8	1n23	4n41	0n43	3n59	1s47	25n24	10n18	18s13	18s30	20s34	8n58	5s26
S 2	5 25	16 57	0 35	7 34	2 47	10 5	0 31	13 46	1 12	18 22	0 36	14 5	1 24	4 39	0 43	3 58	1 47	25 24	10 19	18 13	18 29	20 34	8 55	5 26
M 3	5 2	19 6	0n30	8 1	2 54	10 35	0 34	13 33	1 12	18 25	0 36	14 3	1 24	4 38	0 43	3 57	1 47	25 24	10 19	18 13	18 28	20 33	8 53	5 27
T 4	4 39	20 23	1 32	8 27	3 1	11 4	0 38	13 20	1 12	18 27	0 36	14 1	1 24	4 36	0 43	3 57	1 47	25 23	10 19	18 13	18 27	20 33	8 50	5 27
W 5	4 16	20 43	2 30	8 51	3 7	11 33	0 42	13 7	1 12	18 29	0 35	13 58	1 24	4 35	0 43	3 56	1 47	25 23	10 19	18 13	18 26	20 32	8 47	5 27
T 6	3 53	20 9	3 22	9 13	3 13	12 2	0 45	12 54	1 12	18 32	0 35	13 56	1 24	4 33	0 43	3 56	1 47	25 22	10 19	18 13	18 26	20 31	8 45	5 27
F 7	3 30	18 41	4 5	9 33	3 19	12 30	0 49	12 40	1 12	18 34	0 35	13 54	1 24	4 32	0 43	3 55	1 47	25 22	10 20	18 12	18 25	20 31	8 42	5 27
S 8	3 6	16 22	4 38	9 51	3 24	12 58	0 53	12 27	1 12	18 36	0 35	13 51	1 24	4 30	0 43	3 54	1 47	25 22	10 20	18 10	18 24	20 30	8 40	5 27
S 9	2 43	13 18	4 58	10 6	3 28	13 26	0 56	12 13	1 12	18 39	0 35	13 49	1 24	4 29	0 43	3 54	1 47	25 22	10 20	18 9	18 23	20 30	8 37	5 27
M10	2 20	9 36	5 5	10 19	3 32	13 54	1 0	12 0	1 12	18 41	0 34	13 47	1 25	4 27	0 43	3 53	1 47	25 21	10 20	18 6	18 22	20 29	8 35	5 28
T 11	1 56	5 23	4 57	10 29	3 35	14 21	1 4	11 46	1 13	18 44	0 34	13 44	1 25	4 26	0 43	3 53	1 47	25 21	10 21	18 4	18 22	20 28	8 32	5 28
W12	1 33	0 49	4 33	10 36	3 37	14 48	1 7	11 32	1 13	18 46	0 34	13 42	1 25	4 24	0 43	3 52	1 47	25 21	10 21	18 1	18 21	20 28	8 30	5 28
T 13	1 9	3n53	3 54	10 40	3 38	15 15	1 11	11 19	1 13	18 48	0 34	13 40	1 25	4 23	0 43	3 51	1 47	25 20	10 21	17 59	18 20	20 27	8 27	5 28
F 14	0 45	8 28	3 1	10 40	3 39	15 41	1 15	11 5	1 13	18 51	0 34	13 37	1 25	4 21	0 43	3 51	1 47	25 20	10 21	17 57	18 19	20 26	8 24	5 28
S 15	0 22	12 41	1 57	10 36	3 37	16 7	1 18	10 51	1 13	18 53	0 34	13 35	1 25	4 20	0 43	3 50	1 48	25 20	10 22	17 56	18 18	20 26	8 22	5 29
S 16	0s 2	16 15	0 44	10 28	3 35	16 33	1 22	10 37	1 13	18 56	0 33	13 33	1 25	4 19	0 43	3 49	1 48	25 20	10 22	17 55	18 17	20 25	8 19	5 29
M17	0 25	18 53	0s31	10 15	3 31	16 58	1 26	10 23	1 13	18 58	0 33	13 31	1 26	4 17	0 43	3 49	1 48	25 19	10 22	17 55	18 17	20 24	8 17	5 29
T 18	0 49	20 21	1 46	9 58	3 25	17 23	1 29	10 9	1 13	19 1	0 33	13 28	1 26	4 16	0 43	3 48	1 48	25 19	10 23	17 55	18 16	20 24	8 14	5 29
W19	1 13	20 32	2 53	9 36	3 18	17 48	1 33	9 55	1 13	19 4	0 33	13 26	1 26	4 14	0 43	3 47	1 48	25 19	10 23	17 56	18 15	20 23	8 12	5 30
T 20	1 36	19 25	3 51	9 10	3 9	18 12	1 36	9 40	1 13	19 6	0 33	13 24	1 26	4 13	0 43	3 47	1 48	25 19	10 23	17 56	18 14	20 22	8 9	5 30
F 21	2 0	17 7	4 34	8 39	2 58	18 35	1 40	9 26	1 13	19 9	0 33	13 22	1 26	4 11	0 43	3 46	1 48	25 19	10 23	17 55	18 13	20 22	8 7	5 30
S 22	2 24	13 48	5 1	8 3	2 45	18 59	1 43	9 12	1 13	19 11	0 32	13 20	1 26	4 10	0 43	3 45	1 48	25 18	10 24	17 54	18 12	20 21	8 4	5 30
S 23	2 47	9 44	5 9	7 24	2 30	19 21	1 47	8 57	1 13	19 14	0 32	13 18	1 26	4 8	0 43	3 45	1 48	25 18	10 24	17 53	18 12	20 20	8 2	5 31
M24	3 11	5 11	4 59	6 41	2 14	19 44	1 50	8 43	1 13	19 16	0 32	13 15	1 27	4 7	0 43	3 44	1 48	25 18	10 24	17 51	18 11	20 20	7 59	5 31
T 25	3 34	0 27	4 32	5 56	1 56	20 6	1 54	8 29	1 13	19 19	0 32	13 13	1 27	4 5	0 43	3 43	1 48	25 18	10 25	17 49	18 10	20 19	7 57	5 31
W26	3 58	4s15	3 51	5 10	1 37	20 27	1 57	8 14	1 13	19 22	0 32	13 11	1 27	4 4	0 43	3 43	1 48	25 18	10 25	17 47	18 9	20 18	7 54	5 32
T 27	4 21	8 39	2 58	4 23	1 17	20 48	2 1	8 0	1 13	19 24	0 32	13 9	1 27	4 3	0 43	3 42	1 48	25 18	10 25	17 46	18 8	20 18	7 52	5 32
F 28	4 45	12 34	1 56	3 38	0 56	21 8	2 4	7 45	1 13	19 27	0 32	13 7	1 27	4 1	0 43	3 41	1 48	25 17	10 25	17 45	18 7	20 17	7 49	5 32
S 29	5 8	15 49	0 50	2 54	0 35	21 28	2 7	7 30	1 13	19 29	0 31	13 5	1 27	4 0	0 43	3 41	1 48	25 17	10 26	17 44	18 7	20 16	7 47	5 32
S 30	5s31	18s17	0n17	2s14	0s15	21s47	2s10	7n16	1n13	19s32	0n31	13n 3	1n28	3n58	0n43	3n40	1s48	25n17	10n26	17s44	18s 6	20s15	7n44	5s33

Julian Day Number = 2163984.5, Delta T = 12m56s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'42, Lahiri = 12°52'42 Julian Calendar 1 Sept. 1212 == Greg. Calendar 8 Sept. 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

OCTOBER 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 7 15	14♎56'22	4♐56	4°R16	28♏37	15♍ 6	29♏17	29♌38	21♍45	13°R24	18♌21	19♏43	21♏ 0	0♑42	25♌56	M 1
T 2	1 11 12	15°56'06	16°52	3♎41	29°46	15°44	29°29	29°44	21°49	13♈22	18°23	19°45	20°57	0°49	26° 2	T 2
W 3	1 15 8	16°55'52	28°43	3°17	0♐55	16°22	29°40	29°50	21°52	13°21	18°24	19°47	20°54	0°55	26° 8	W 3
T 4	1 19 5	17°55'40	10♑33	3° 4	2° 3	17° 0	29°52	29°56	21°56	13°19	18°25	19°48	20°50	1° 2	26°15	T 4
F 5	1 23 1	18°55'29	22°27	3°D 3	3°12	17°38	0♐ 4	0♍ 2	21°59	13°17	18°26	19°R48	20°47	1° 9	26°21	F 5
S 6	1 26 58	19°55'21	4♒29	3°12	4°21	18°16	0°15	0° 7	22° 3	13°16	18°27	19°47	20°44	1°15	26°27	S 6
S 7	1 30 55	20°55'14	16°45	3°33	5°29	18°54	0°27	0°13	22° 6	13°14	18°28	19°45	20°41	1°22	26°33	S 7
M 8	1 34 51	21°55'08	29°19	4° 3	6°37	19°32	0°39	0°19	22°10	13°12	18°29	19°41	20°38	1°29	26°39	M 8
T 9	1 38 48	22°55'05	12♓14	4°42	7°45	20°10	0°51	0°24	22°13	13°11	18°30	19°37	20°34	1°35	26°44	T 9
W10	1 42 44	23°55'03	25°31	5°29	8°53	20°47	1° 3	0°30	22°16	13° 9	18°31	19°33	20°31	1°42	26°50	W10
T 11	1 46 41	24°55'03	9♈ 9	6°24	10° 1	21°25	1°15	0°35	22°20	13° 7	18°32	19°29	20°28	1°49	26°56	T 11
F 12	1 50 37	25°55'05	23° 7	7°26	11° 9	22° 3	1°28	0°41	22°23	13° 6	18°33	19°26	20°25	1°56	27° 1	F 12
S 13	1 54 34	26°55'08	7♉21	8°33	12°16	22°41	1°40	0°46	22°26	13° 4	18°34	19°25	20°22	2° 2	27° 7	S 13
S 14	1 58 30	27°55'14	21°46	9°45	13°24	23°19	1°52	0°51	22°30	13° 2	18°35	19°D24	20°19	2° 9	27°12	S 14
M15	2 2 27	28°55'22	6♊17	11° 2	14°31	23°57	2° 5	0°56	22°33	13° 1	18°36	19°25	20°15	2°16	27°18	M15
T 16	2 6 24	29°55'32	20°48	12°22	15°38	24°35	2°17	1° 2	22°36	12°59	18°37	19°26	20°12	2°22	27°23	T 16
W17	2 10 20	0♏55'44	5♋14	13°45	16°45	25°12	2°30	1° 7	22°39	12°58	18°38	19°27	20° 9	2°29	27°28	W17
T 18	2 14 17	1°55'58	19°32	15°11	17°52	25°50	2°42	1°12	22°42	12°56	18°38	19°28	20° 6	2°36	27°33	T 18
F 19	2 18 13	2°56'14	3♌40	16°39	18°58	26°28	2°55	1°16	22°45	12°55	18°39	19°R29	20° 3	2°42	27°39	F 19
S 20	2 22 10	3°56'32	17°35	18° 9	20° 5	27° 6	3° 7	1°21	22°49	12°53	18°40	19°28	19°59	2°49	27°43	S 20
S 21	2 26 6	4°56'52	1♍18	19°40	21°11	27°44	3°20	1°26	22°52	12°51	18°41	19°27	19°56	2°56	27°48	S 21
M22	2 30 3	5°57'15	14°46	21°12	22°17	28°22	3°33	1°30	22°55	12°50	18°41	19°26	19°53	3° 2	27°53	M22
T 23	2 33 59	6°57'39	28° 2	22°46	23°23	29° 0	3°46	1°35	22°58	12°48	18°42	19°24	19°50	3° 9	27°58	T 23
W24	2 37 56	7°58'05	11♎ 3	24°20	24°28	29°37	3°58	1°39	23° 1	12°47	18°43	19°22	19°47	3°16	28° 3	W24
T 25	2 41 52	8°58'33	23°51	25°54	25°34	0♎15	4°11	1°44	23° 4	12°45	18°43	19°21	19°44	3°22	28° 7	T 25
F 26	2 45 49	9°59'02	6♏26	27°29	26°39	0°53	4°24	1°48	23° 6	12°44	18°44	19°20	19°40	3°29	28°12	F 26
S 27	2 49 46	10°59'34	18°48	29° 5	27°44	1°31	4°37	1°52	23° 9	12°43	18°44	19°D20	19°37	3°36	28°16	S 27
S 28	2 53 42	12° 0'07	0♐59	0♏40	28°49	2° 9	4°50	1°56	23°12	12°41	18°45	19°20	19°34	3°42	28°20	S 28
M29	2 57 39	13° 0'41	13° 1	2°16	29°53	2°46	5° 3	2° 1	23°15	12°40	18°45	19°20	19°31	3°49	28°24	M29
T 30	3 1 35	14° 1'17	24°55	3°51	0♑58	3°24	5°17	2° 4	23°18	12°38	18°46	19°21	19°28	3°56	28°28	T 30
W31	3 5 32	15♏ 1'54	6♑45	5♏27	2♑ 2	4♎ 2	5♐30	2♍ 8	23♍20	12♈37	18♌46	19♏22	19♏25	4♑ 2	28♌32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s55	19s52	1n22	1s38	0n 5	22s 6	2s13	7n 1	1n13	19s35	0n31	13n 1	1n28	3n57	0n43	3n39	1s48	25n17	10n26	17s44	18s 5	20s15	7n42	5s33
T 2	6 18	20 31	2 23	1 7	0 23	22 24	2 17	6 46	1 13	19 37	0 31	12 59	1 28	3 55	0 43	3 39	1 48	25 17	10 27	17 45	18 4	20 14	7 40	5 33
W 3	6 41	20 15	3 17	0 41	0 40	22 42	2 20	6 31	1 13	19 40	0 31	12 57	1 28	3 54	0 43	3 38	1 48	25 17	10 27	17 45	18 3	20 13	7 37	5 34
T 4	7 4	19 5	4 3	0 22	0 56	22 59	2 23	6 17	1 13	19 42	0 31	12 55	1 28	3 53	0 43	3 38	1 48	25 17	10 27	17 46	18 2	20 13	7 35	5 34
F 5	7 27	17 5	4 39	0 8	1 11	23 16	2 26	6 2	1 13	19 45	0 31	12 53	1 28	3 51	0 43	3 37	1 48	25 17	10 28	17 46	18 2	20 12	7 32	5 34
S 6	7 49	14 19	5 3	0 0	1 23	23 32	2 28	5 47	1 13	19 48	0 30	12 51	1 29	3 50	0 43	3 36	1 48	25 17	10 28	17 45	18 1	20 11	7 30	5 35
S 7	8 12	10 54	5 13	0n 2	1 34	23 47	2 31	5 32	1 13	19 50	0 30	12 50	1 29	3 49	0 43	3 36	1 48	25 17	10 28	17 45	18 0	20 10	7 28	5 35
M 8	8 34	6 56	5 9	0s 2	1 44	24 2	2 34	5 17	1 13	19 53	0 30	12 48	1 29	3 47	0 43	3 35	1 48	25 17	10 29	17 44	17 59	20 10	7 25	5 36
T 9	8 57	2 32	4 50	0 10	1 51	24 16	2 37	5 2	1 13	19 56	0 30	12 46	1 29	3 46	0 43	3 34	1 48	25 17	10 29	17 43	17 58	20 9	7 23	5 36
W10	9 19	2n 6	4 14	0 23	1 58	24 30	2 39	4 47	1 13	19 58	0 30	12 44	1 29	3 45	0 43	3 34	1 48	25 17	10 29	17 42	17 57	20 8	7 21	5 36
T 11	9 41	6 46	3 24	0 41	2 3	24 43	2 42	4 32	1 13	20 1	0 30	12 42	1 30	3 43	0 44	3 33	1 48	25 17	10 30	17 41	17 56	20 7	7 19	5 37
F 12	10 3	11 11	2 20	1 2	2 6	24 55	2 44	4 17	1 13	20 3	0 30	12 41	1 30	3 42	0 44	3 32	1 48	25 17	10 30	17 40	17 56	20 7	7 16	5 37
S 13	10 25	15 4	1 6	1 26	2 8	25 7	2 46	4 2	1 13	20 6	0 29	12 39	1 30	3 41	0 44	3 32	1 48	25 17	10 31	17 39	17 55	20 6	7 14	5 38
S 14	10 47	18 4	0s13	1 54	2 10	25 18	2 49	3 47	1 13	20 9	0 29	12 37	1 30	3 39	0 44	3 31	1 48	25 17	10 31	17 39	17 54	20 5	7 12	5 38
M15	11 8	19 56	1 32	2 23	2 10	25 28	2 51	3 32	1 13	20 11	0 29	12 36	1 30	3 38	0 44	3 31	1 48	25 17	10 31	17 39	17 53	20 4	7 10	5 38
T 16	11 30	20 29	2 45	2 55	2 9	25 38	2 53	3 17	1 13	20 14	0 29	12 34	1 31	3 37	0 44	3 30	1 48	25 17	10 32	17 40	17 52	20 4	7 7	5 39
W17	11 51	19 39	3 47	3 29	2 8	25 47	2 55	3 2	1 13	20 16	0 29	12 32	1 31	3 36	0 44	3 29	1 48	25 17	10 32	17 40	17 51	20 3	7 5	5 39
T 18	12 12	17 35	4 34	4 5	2 5	25 55	2 57	2 46	1 13	20 19	0 29	12 31	1 31	3 34	0 44	3 29	1 48	25 17	10 32	17 40	17 50	20 2	7 3	5 40
F 19	12 33	14 29	5 4	4 41	2 3	26 3	2 59	2 31	1 13	20 22	0 29	12 29	1 31	3 33	0 44	3 28	1 48	25 17	10 33	17 40	17 50	20 1	7 1	5 40
S 20	12 53	10 36	5 16	5 19	1 59	26 10	3 0	2 16	1 13	20 24	0 29	12 28	1 31	3 32	0 44	3 28	1 48	25 17	10 33	17 40	17 49	20 0	6 59	5 41
S 21	13 14	6 14	5 10	5 57	1 55	26 16	3 2	2 1	1 13	20 27	0 28	12 26	1 32	3 31	0 44	3 27	1 47	25 18	10 33	17 40	17 48	20 0	6 57	5 41
M22	13 34	1 37	4 46	6 36	1 51	26 22	3 3	1 46	1 13	20 29	0 28	12 25	1 32	3 30	0 44	3 26	1 47	25 18	10 34	17 40	17 47	19 59	6 55	5 41
T 23	13 54	3s 0	4 8	7 15	1 46	26 27	3 5	1 31	1 13	20 32	0 28	12 23	1 32	3 29	0 44	3 26	1 47	25 18	10 34	17 39	17 46	19 58	6 53	5 42
W24	14 13	7 24	3 17	7 54	1 41	26 31	3 6	1 16	1 13	20 34	0 28	12 22	1 32	3 27	0 44	3 25	1 47	25 18	10 35	17 39	17 45	19 57	6 51	5 42
T 25	14 33	11 25	2 17	8 34	1 35	26 35	3 7	1 0	1 13	20 37	0 28	12 21	1 32	3 26	0 44	3 25	1 47	25 18	10 35	17 38	17 44	19 56	6 49	5 43
F 26	14 52	14 50	1 11	9 14	1 30	26 38	3 8	0 45	1 12	20 39	0 28	12 19	1 33	3 25	0 44	3 24	1 47	25 18	10 35	17 38	17 44	19 56	6 47	5 43
S 27	15 11	17 32	0 3	9 53	1 24	26 40	3 9	0 30	1 12	20 42	0 28	12 18	1 33	3 24	0 44	3 24	1 47	25 18	10 36	17 38	17 43	19 55	6 45	5 44
S 28	15 30	19 24	1n 4	10 33	1 18	26 42	3 9	0 15	1 12	20 44	0 28	12 17	1 33	3 23	0 44	3 23	1 47	25 19	10 36	17 38	17 42	19 54	6 43	5 44
M29	15 49	20 21	2 8	11 12	1 11	26 42	3 10	0s 0	1 12	20 47	0 27	12 15	1 33	3 22	0 44	3 23	1 47	25 19	10 36	17 38	17 41	19 53	6 41	5 45
T 30	16 7	20 21	3 5	11 50	1 5	26 43	3 11	0 15	1 12	20 49	0 27	12 14	1 34	3 21	0 44	3 22	1 47	25 19	10 37	17 38	17 40	19 52	6 39	5 45
W31	16s25	19s28	3n54	12s29	0n58	26s42	3s11	0s31	1n12	20s52	0n27	12n13	1n34	3n20	0n44	3n22	1s47	25n19	10n37	17s38	17s39	19s52	6n37	5s46

Julian Day Number = 2164014.5, Delta T = 12m56s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'46, Lahiri = 12°52'46 Julian Calendar 1 Oct. 1212 == Greg. Calendar 8 Oct. 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

NOVEMBER 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 28	16♏ 2'33	18♑34	7♏ 3	3♑ 5	4♎40	5♐43	2♍12	23♍23	12°R36	18♌46	19♏22	19♏21	4♑ 9	28♌36	T 1
F 2	3 13 25	17° 3'13	0♒27	8°38	4° 9	5°18	5°56	2°16	23°26	12♈34	18°47	19°22	19°18	4°16	28°40	F 2
S 3	3 17 22	18° 3'54	12°27	10°14	5°12	5°55	6° 9	2°19	23°28	12°33	18°47	19°22	19°15	4°23	28°44	S 3
S 4	3 21 18	19° 4'36	24°40	11°49	6°15	6°33	6°23	2°23	23°31	12°32	18°47	19°22	19°12	4°29	28°47	S 4
M 5	3 25 15	20° 5'19	7♓10	13°25	7°17	7°11	6°36	2°26	23°33	12°30	18°48	19°22	19° 9	4°36	28°51	M 5
T 6	3 29 11	21° 6'03	20° 1	15° 0	8°20	7°49	6°49	2°29	23°36	12°29	18°48	19°23	19° 5	4°43	28°54	T 6
W 7	3 33 8	22° 6'48	3♈16	16°35	9°21	8°26	7° 3	2°33	23°38	12°28	18°48	19°23	19° 2	4°49	28°58	W 7
T 8	3 37 4	23° 7'35	16°58	18°10	10°23	9° 4	7°16	2°36	23°40	12°27	18°48	19°23	18°59	4°56	29° 1	T 8
F 9	3 41 1	24° 8'23	1♉ 4	19°44	11°24	9°42	7°30	2°39	23°43	12°26	18°48	19°23	18°56	5° 3	29° 4	F 9
S 10	3 44 57	25° 9'11	15°34	21°19	12°25	10°20	7°43	2°42	23°45	12°24	18°49	19°R24	18°53	5° 9	29° 7	S 10
S 11	3 48 54	26°10'01	0♊20	22°54	13°25	10°57	7°57	2°44	23°47	12°23	18°49	19°24	18°50	5°16	29°10	S 11
M12	3 52 50	27°10'53	15°17	24°28	14°25	11°35	8°10	2°47	23°49	12°22	18°49	19°23	18°46	5°23	29°13	M12
T 13	3 56 47	28°11'45	0♋16	26° 3	15°24	12°13	8°24	2°50	23°52	12°21	18°R49	19°22	18°43	5°29	29°15	T 13
W14	4 0 44	29°12'39	15° 9	27°37	16°23	12°50	8°37	2°52	23°54	12°20	18°49	19°21	18°40	5°36	29°18	W14
T 15	4 4 40	0♐13'34	29°48	29°11	17°22	13°28	8°51	2°54	23°56	12°19	18°49	19°20	18°37	5°43	29°20	T 15
F 16	4 8 37	1°14'30	14♌ 8	0♐46	18°20	14° 6	9° 4	2°57	23°58	12°18	18°49	19°19	18°34	5°49	29°23	F 16
S 17	4 12 33	2°15'28	28° 7	2°20	19°18	14°43	9°18	2°59	24° 0	12°17	18°48	19°D18	18°31	5°56	29°25	S 17
S 18	4 16 30	3°16'27	11♍45	3°54	20°15	15°21	9°32	3° 1	24° 2	12°16	18°48	19°19	18°27	6° 3	29°27	S 18
M19	4 20 26	4°17'27	25° 1	5°28	21°11	15°59	9°45	3° 3	24° 4	12°15	18°48	19°19	18°24	6° 9	29°29	M19
T 20	4 24 23	5°18'29	7♎59	7° 3	22° 7	16°36	9°59	3° 5	24° 5	12°15	18°48	19°21	18°21	6°16	29°31	T 20
W21	4 28 20	6°19'31	20°41	8°37	23° 3	17°14	10°12	3° 7	24° 7	12°14	18°48	19°22	18°18	6°23	29°33	W21
T 22	4 32 16	7°20'35	3♏10	10°11	23°58	17°52	10°26	3° 8	24° 9	12°13	18°47	19°23	18°15	6°30	29°35	T 22
F 23	4 36 13	8°21'39	15°27	11°46	24°52	18°29	10°40	3°10	24°10	12°12	18°47	19°R24	18°11	6°36	29°36	F 23
S 24	4 40 9	9°22'45	27°34	13°21	25°46	19° 7	10°53	3°11	24°12	12°11	18°47	19°24	18° 8	6°43	29°38	S 24
S 25	4 44 6	10°23'51	9♐35	14°55	26°38	19°45	11° 7	3°13	24°14	12°11	18°47	19°23	18° 5	6°50	29°39	S 25
M26	4 48 2	11°24'59	21°30	16°30	27°31	20°22	11°21	3°14	24°15	12°10	18°46	19°20	18° 2	6°56	29°40	M26
T 27	4 51 59	12°26'06	3♑22	18° 5	28°22	21° 0	11°34	3°15	24°17	12° 9	18°46	19°16	17°59	7° 3	29°41	T 27
W28	4 55 55	13°27'15	15°11	19°40	29°13	21°37	11°48	3°16	24°18	12° 9	18°45	19°12	17°56	7°10	29°42	W28
T 29	4 59 52	14°28'23	27° 2	21°15	0♒ 3	22°15	12° 2	3°17	24°19	12° 8	18°45	19° 8	17°52	7°16	29°43	T 29
F 30	5 3 49	15♐29'32	8♒55	22♐50	0♒52	22♎52	12♐16	3♍17	24♍21	12♈ 7	18♌44	19♏ 3	17♏49	7♑23	29♌44	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s42	17s44	4n33	13s 7	0n52	26s41	3s11	0s46	1n12	20s54	0n27	12n12	1n34	3n19	0n44	3n21	1s47	25n20	10n38	17s39	17s38	19s51	6n36	5s46
F 2	17 0	15 15	5 1	13 44	0 45	26 39	3 11	1 1	1 12	20 57	0 27	12 11	1 34	3 18	0 44	3 21	1 47	25 20	10 38	17 39	17 38	19 50	6 34	5 47
S 3	17 17	12 5	5 15	14 21	0 38	26 37	3 11	1 16	1 12	20 59	0 27	12 10	1 35	3 17	0 44	3 20	1 47	25 20	10 38	17 39	17 37	19 49	6 32	5 47
S 4	17 34	8 23	5 16	14 57	0 31	26 34	3 11	1 31	1 12	21 1	0 27	12 9	1 35	3 16	0 44	3 20	1 47	25 20	10 39	17 39	17 36	19 48	6 30	5 48
M 5	17 50	4 14	5 3	15 33	0 24	26 30	3 10	1 46	1 12	21 4	0 27	12 8	1 35	3 15	0 44	3 19	1 47	25 21	10 39	17 39	17 35	19 47	6 29	5 48
T 6	18 7	0n13	4 34	16 7	0 18	26 26	3 10	2 1	1 11	21 6	0 27	12 7	1 35	3 14	0 44	3 19	1 47	25 21	10 40	17 39	17 34	19 47	6 27	5 49
W 7	18 22	4 49	3 49	16 41	0 11	26 21	3 9	2 16	1 11	21 9	0 26	12 6	1 35	3 13	0 44	3 18	1 47	25 21	10 40	17 39	17 33	19 46	6 25	5 49
T 8	18 38	9 19	2 51	17 15	0 4	26 15	3 8	2 31	1 11	21 11	0 26	12 5	1 36	3 12	0 44	3 18	1 47	25 22	10 40	17 39	17 32	19 45	6 24	5 50
F 9	18 53	13 27	1 40	17 47	0s 3	26 9	3 7	2 46	1 11	21 13	0 26	12 4	1 36	3 11	0 44	3 17	1 47	25 22	10 41	17 39	17 31	19 44	6 22	5 50
S 10	19 8	16 54	0 21	18 19	0 9	26 2	3 6	3 1	1 11	21 16	0 26	12 3	1 36	3 10	0 44	3 17	1 47	25 22	10 41	17 39	17 31	19 43	6 21	5 51
S 11	19 23	19 19	1s 0	18 50	0 16	25 55	3 4	3 16	1 11	21 18	0 26	12 2	1 36	3 9	0 44	3 17	1 47	25 22	10 42	17 39	17 30	19 42	6 19	5 51
M12	19 37	20 25	2 19	19 20	0 23	25 47	3 3	3 31	1 11	21 20	0 26	12 2	1 37	3 8	0 44	3 16	1 47	25 23	10 42	17 39	17 29	19 41	6 18	5 52
T 13	19 50	20 4	3 28	19 49	0 29	25 38	3 1	3 46	1 11	21 22	0 26	12 1	1 37	3 8	0 44	3 16	1 47	25 23	10 42	17 39	17 28	19 40	6 16	5 52
W14	20 4	18 20	4 22	20 17	0 35	25 29	2 59	4 1	1 10	21 25	0 26	12 0	1 37	3 7	0 44	3 15	1 47	25 24	10 43	17 38	17 27	19 40	6 15	5 53
T 15	20 17	15 24	4 59	20 44	0 42	25 20	2 57	4 15	1 10	21 27	0 26	12 0	1 37	3 6	0 45	3 15	1 47	25 24	10 43	17 38	17 26	19 39	6 14	5 54
F 16	20 30	11 37	5 16	21 11	0 48	25 9	2 54	4 30	1 10	21 29	0 26	11 59	1 38	3 5	0 45	3 15	1 47	25 24	10 43	17 38	17 25	19 38	6 12	5 54
S 17	20 42	7 16	5 13	21 36	0 54	24 59	2 52	4 45	1 10	21 31	0 25	11 58	1 38	3 5	0 45	3 14	1 47	25 25	10 44	17 38	17 24	19 37	6 11	5 55
S 18	20 54	2 40	4 53	22 0	1 0	24 48	2 49	5 0	1 10	21 33	0 25	11 58	1 38	3 4	0 45	3 14	1 47	25 25	10 44	17 38	17 24	19 36	6 10	5 55
M19	21 5	1s57	4 18	22 23	1 6	24 36	2 46	5 14	1 10	21 35	0 25	11 57	1 38	3 3	0 45	3 14	1 46	25 26	10 45	17 38	17 23	19 35	6 9	5 56
T 20	21 17	6 23	3 30	22 45	1 11	24 24	2 43	5 29	1 10	21 38	0 25	11 57	1 39	3 2	0 45	3 14	1 46	25 26	10 45	17 38	17 22	19 34	6 7	5 56
W21	21 27	10 28	2 32	23 6	1 17	24 11	2 40	5 44	1 9	21 40	0 25	11 57	1 39	3 2	0 45	3 13	1 46	25 26	10 45	17 39	17 21	19 33	6 6	5 57
T 22	21 38	14 0	1 29	23 25	1 22	23 58	2 36	5 58	1 9	21 42	0 25	11 56	1 39	3 1	0 45	3 13	1 46	25 27	10 46	17 39	17 20	19 32	6 5	5 57
F 23	21 48	16 53	0 22	23 44	1 27	23 44	2 32	6 13	1 9	21 44	0 25	11 56	1 39	3 1	0 45	3 13	1 46	25 27	10 46	17 39	17 19	19 32	6 4	5 58
S 24	21 57	18 58	0n45	24 1	1 32	23 30	2 28	6 27	1 9	21 46	0 25	11 56	1 40	3 0	0 45	3 12	1 46	25 28	10 46	17 39	17 18	19 31	6 3	5 58
S 25	22 6	20 11	1 49	24 17	1 36	23 16	2 24	6 42	1 9	21 48	0 25	11 55	1 40	2 59	0 45	3 12	1 46	25 28	10 47	17 39	17 17	19 30	6 2	5 59
M26	22 15	20 28	2 48	24 31	1 41	23 1	2 19	6 56	1 8	21 50	0 25	11 55	1 40	2 59	0 45	3 12	1 46	25 29	10 47	17 38	17 16	19 29	6 1	6 0
T 27	22 23	19 51	3 39	24 45	1 45	22 46	2 15	7 10	1 8	21 52	0 25	11 55	1 40	2 58	0 45	3 12	1 46	25 29	10 48	17 37	17 16	19 28	6 0	6 0
W28	22 31	18 21	4 20	24 57	1 49	22 31	2 10	7 25	1 8	21 54	0 24	11 55	1 41	2 58	0 45	3 12	1 46	25 30	10 48	17 36	17 15	19 27	5 59	6 1
T 29	22 38	16 5	4 51	25 7	1 53	22 15	2 4	7 39	1 8	21 56	0 24	11 55	1 41	2 57	0 45	3 11	1 46	25 30	10 48	17 35	17 14	19 26	5 59	6 1
F 30	22s45	13s 8	5n 9	25s16	1s56	21s59	1s59	7s53	1n 8	21s57	0n24	11n55	1n41	2n57	0n45	3n11	1s46	25n31	10n49	17s33	17s13	19s25	5n58	6s 2

Julian Day Number = 2164045.5, Delta T = 12m55s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'50, Lahiri = 12°52'51 Julian Calendar 1 Nov. 1212 == Greg. Calendar 8 Nov. 1212

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ASTRODIENST EPHEMERIS for the year 1212
geocentric

DECEMBER 1212 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 7 45	16♐30'42	20♒55	24♐26	1♒40	23♎30	12♐29	3♍18	24♍22	12°R 7	18°R44	19°R 0	17♏46	7♑30	29♌45	S 1
S 2	5 11 42	17°31'51	3♓ 5	26° 1	2°28	24° 7	12°43	3°19	24°23	12♈ 6	18♌43	18♏57	17°43	7°36	29°45	S 2
M 3	5 15 38	18°33'01	15°30	27°37	3°14	24°45	12°57	3°19	24°24	12° 6	18°43	18°D56	17°40	7°43	29°46	M 3
T 4	5 19 35	19°34'11	28°13	29°12	4° 0	25°22	13°10	3°19	24°25	12° 6	18°42	18°57	17°37	7°50	29°46	T 4
W 5	5 23 31	20°35'21	11♈19	0♑48	4°44	26° 0	13°24	3°20	24°26	12° 5	18°42	18°58	17°33	7°57	29°46	W 5
T 6	5 27 28	21°36'31	24°52	2°24	5°27	26°37	13°37	3°R20	24°27	12° 5	18°41	18°59	17°30	8° 3	29°R46	T 6
F 7	5 31 24	22°37'41	8♉52	4° 0	6°10	27°15	13°51	3°20	24°28	12° 4	18°40	19° 1	17°27	8°10	29°46	F 7
S 8	5 35 21	23°38'51	23°20	5°35	6°51	27°52	14° 5	3°20	24°29	12° 4	18°40	19°R 1	17°24	8°17	29°46	S 8
S 9	5 39 18	24°40'01	8♊12	7°11	7°31	28°30	14°18	3°19	24°30	12° 4	18°39	19° 0	17°21	8°23	29°46	S 9
M10	5 43 14	25°41'12	23°21	8°46	8° 9	29° 7	14°32	3°19	24°30	12° 4	18°38	18°57	17°17	8°30	29°46	M10
T 11	5 47 11	26°42'22	8♋38	10°21	8°47	29°44	14°45	3°19	24°31	12° 4	18°37	18°52	17°14	8°37	29°45	T 11
W12	5 51 7	27°43'33	23°53	11°56	9°23	0♏22	14°59	3°18	24°32	12° 3	18°36	18°46	17°11	8°43	29°44	W12
T 13	5 55 4	28°44'44	8♌54	13°30	9°57	0°59	15°12	3°17	24°32	12° 3	18°36	18°40	17° 8	8°50	29°44	T 13
F 14	5 59 0	29°45'55	23°34	15° 3	10°30	1°37	15°26	3°17	24°33	12° 3	18°35	18°34	17° 5	8°57	29°43	F 14
S 15	6 2 57	0♑47'06	7♍47	16°36	11° 2	2°14	15°39	3°16	24°33	12° 3	18°34	18°30	17° 2	9° 3	29°42	S 15
S 16	6 6 53	1°48'17	21°32	18° 7	11°32	2°51	15°53	3°15	24°34	12°D 3	18°33	18°28	16°58	9°10	29°41	S 16
M17	6 10 50	2°49'29	4♎49	19°37	12° 0	3°28	16° 6	3°14	24°34	12° 3	18°32	18°D27	16°55	9°17	29°40	M17
T 18	6 14 47	3°50'41	17°42	21° 5	12°27	4° 6	16°20	3°12	24°34	12° 3	18°31	18°28	16°52	9°24	29°39	T 18
W19	6 18 43	4°51'53	0♏15	22°31	12°52	4°43	16°33	3°11	24°35	12° 3	18°30	18°29	16°49	9°30	29°37	W19
T 20	6 22 40	5°53'05	12°32	23°55	13°15	5°20	16°46	3°10	24°35	12° 3	18°29	18°R31	16°46	9°37	29°36	T 20
F 21	6 26 36	6°54'17	24°37	25°15	13°36	5°57	17° 0	3° 8	24°35	12° 4	18°28	18°31	16°43	9°44	29°34	F 21
S 22	6 30 33	7°55'28	6♐35	26°32	13°56	6°35	17°13	3° 6	24°35	12° 4	18°27	18°29	16°39	9°50	29°33	S 22
S 23	6 34 29	8°56'40	18°27	27°45	14°13	7°12	17°26	3° 5	24°R35	12° 4	18°26	18°24	16°36	9°57	29°31	S 23
M24	6 38 26	9°57'52	0♑17	28°54	14°28	7°49	17°40	3° 3	24°35	12° 4	18°25	18°17	16°33	10° 4	29°29	M24
T 25	6 42 22	10°59'03	12° 8	29°56	14°41	8°26	17°53	3° 1	24°35	12° 5	18°24	18° 8	16°30	10°10	29°27	T 25
W26	6 46 19	12° 0'13	23°59	0♒52	14°52	9° 3	18° 6	2°59	24°35	12° 5	18°23	17°57	16°27	10°17	29°25	W26
T 27	6 50 16	13° 1'23	5♒53	1°41	15° 1	9°40	18°19	2°57	24°34	12° 5	18°21	17°46	16°23	10°24	29°23	T 27
F 28	6 54 12	14° 2'33	17°52	2°22	15° 7	10°17	18°32	2°54	24°34	12° 6	18°20	17°35	16°20	10°31	29°20	F 28
S 29	6 58 9	15° 3'41	29°56	2°54	15°11	10°54	18°45	2°52	24°34	12° 6	18°19	17°25	16°17	10°37	29°18	S 29
S 30	7 2 5	16° 4'49	12♓10	3°15	15°R12	11°31	18°58	2°50	24°33	12° 7	18°18	17°17	16°14	10°44	29°15	S 30
M31	7 6 2	17♑ 5'56	24♓34	3♒27	15♒11	12♏ 8	19♐11	2♍47	24♍33	12♈ 7	18♌17	17♏12	16♏11	10♑51	29♌13	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s51	9s38	5n13	25s24	1s59	21s42	1s53	8s 7	1n 7	21s59	0n24	11n55	1n41	2n56	0n45	3n11	1s46	25n31	10n49	17s32	17s12	19s24	5n57	6s 2
S 2	22 57	5 41	5 4	25 31	2 2	21 26	1 47	8 21	1 7	22 1	0 24	11 55	1 42	2 56	0 45	3 11	1 46	25 32	10 49	17 32	17 11	19 23	5 56	6 3
M 3	23 3	1 26	4 41	25 35	2 4	21 9	1 41	8 35	1 7	22 3	0 24	11 55	1 42	2 55	0 45	3 11	1 46	25 32	10 50	17 32	17 10	19 22	5 56	6 3
T 4	23 8	3n 0	4 3	25 39	2 6	20 52	1 34	8 49	1 7	22 5	0 24	11 55	1 42	2 55	0 45	3 11	1 46	25 33	10 50	17 32	17 9	19 21	5 55	6 4
W 5	23 12	7 26	3 12	25 40	2 8	20 34	1 27	9 3	1 7	22 7	0 24	11 55	1 42	2 55	0 45	3 11	1 46	25 33	10 50	17 32	17 8	19 20	5 54	6 4
T 6	23 16	11 39	2 8	25 40	2 9	20 17	1 20	9 17	1 6	22 8	0 24	11 55	1 43	2 54	0 45	3 10	1 46	25 34	10 51	17 32	17 8	19 19	5 54	6 5
F 7	23 20	15 23	0 55	25 39	2 10	19 59	1 13	9 30	1 6	22 10	0 24	11 56	1 43	2 54	0 45	3 10	1 46	25 34	10 51	17 33	17 7	19 18	5 53	6 6
S 8	23 23	18 18	0s24	25 36	2 11	19 41	1 5	9 44	1 6	22 12	0 24	11 56	1 43	2 54	0 45	3 10	1 46	25 35	10 52	17 33	17 6	19 17	5 53	6 6
S 9	23 26	20 4	1 43	25 31	2 11	19 23	0 57	9 58	1 6	22 13	0 24	11 56	1 43	2 53	0 45	3 10	1 45	25 35	10 52	17 32	17 5	19 17	5 53	6 7
M10	23 28	20 26	2 56	25 25	2 10	19 5	0 49	10 11	1 5	22 15	0 23	11 57	1 44	2 53	0 45	3 10	1 45	25 36	10 52	17 32	17 4	19 16	5 52	6 7
T 11	23 30	19 18	3 57	25 17	2 9	18 47	0 40	10 25	1 5	22 17	0 23	11 57	1 44	2 53	0 46	3 10	1 45	25 37	10 53	17 30	17 3	19 15	5 52	6 8
W12	23 31	16 48	4 42	25 7	2 8	18 29	0 31	10 38	1 5	22 18	0 23	11 57	1 44	2 53	0 46	3 10	1 45	25 37	10 53	17 29	17 2	19 14	5 52	6 8
T 13	23 32	13 11	5 6	24 56	2 6	18 11	0 22	10 51	1 4	22 20	0 23	11 58	1 44	2 53	0 46	3 10	1 45	25 38	10 53	17 27	17 1	19 13	5 51	6 9
F 14	23 32	8 51	5 9	24 43	2 3	17 53	0 13	11 5	1 4	22 21	0 23	11 58	1 45	2 52	0 46	3 10	1 45	25 38	10 54	17 25	17 0	19 12	5 51	6 9
S 15	23 32	4 9	4 53	24 29	1 59	17 35	0 3	11 18	1 4	22 23	0 23	11 59	1 45	2 52	0 46	3 10	1 45	25 39	10 54	17 24	16 59	19 11	5 51	6 10
S 16	23 32	0s37	4 20	24 13	1 55	17 17	0n 7	11 31	1 4	22 24	0 23	12 0	1 45	2 52	0 46	3 10	1 45	25 40	10 54	17 24	16 59	19 10	5 51	6 10
M17	23 31	5 12	3 34	23 55	1 50	16 59	0 18	11 44	1 3	22 26	0 23	12 0	1 45	2 52	0 46	3 10	1 45	25 40	10 54	17 23	16 58	19 9	5 51	6 11
T 18	23 29	9 25	2 39	23 36	1 45	16 41	0 29	11 57	1 3	22 27	0 23	12 1	1 46	2 52	0 46	3 10	1 45	25 41	10 55	17 24	16 57	19 8	5 51	6 11
W19	23 27	13 7	1 37	23 16	1 38	16 23	0 40	12 10	1 3	22 29	0 23	12 2	1 46	2 52	0 46	3 11	1 45	25 41	10 55	17 24	16 56	19 7	5 51	6 12
T 20	23 24	16 11	0 32	22 54	1 31	16 6	0 51	12 23	1 2	22 30	0 23	12 2	1 46	2 52	0 46	3 11	1 45	25 42	10 55	17 24	16 55	19 6	5 51	6 12
F 21	23 22	18 28	0n33	22 31	1 22	15 48	1 3	12 35	1 2	22 32	0 23	12 3	1 46	2 52	0 46	3 11	1 45	25 43	10 56	17 24	16 54	19 5	5 51	6 13
S 22	23 18	19 55	1 36	22 8	1 13	15 31	1 15	12 48	1 2	22 33	0 23	12 4	1 47	2 52	0 46	3 11	1 45	25 43	10 56	17 24	16 53	19 4	5 51	6 13
S 23	23 14	20 29	2 34	21 43	1 3	15 14	1 27	13 0	1 1	22 34	0 22	12 5	1 47	2 52	0 46	3 11	1 45	25 44	10 56	17 23	16 52	19 3	5 51	6 13
M24	23 10	20 7	3 25	21 18	0 51	14 58	1 40	13 13	1 1	22 36	0 22	12 6	1 47	2 52	0 46	3 11	1 45	25 44	10 57	17 21	16 51	19 2	5 52	6 14
T 25	23 5	18 53	4 7	20 53	0 39	14 41	1 53	13 25	1 1	22 37	0 22	12 7	1 47	2 52	0 46	3 11	1 45	25 45	10 57	17 18	16 50	19 1	5 52	6 14
W26	23 0	16 49	4 39	20 28	0 26	14 26	2 6	13 37	1 0	22 38	0 22	12 8	1 48	2 52	0 46	3 12	1 44	25 46	10 57	17 15	16 49	19 0	5 52	6 15
T 27	22 54	14 4	4 58	20 3	0 11	14 10	2 20	13 49	1 0	22 39	0 22	12 9	1 48	2 52	0 46	3 12	1 44	25 46	10 57	17 12	16 49	18 59	5 53	6 15
F 28	22 48	10 42	5 5	19 39	0n 4	13 55	2 34	14 1	1 0	22 41	0 22	12 10	1 48	2 52	0 46	3 12	1 44	25 47	10 58	17 9	16 48	18 58	5 53	6 16
S 29	22 41	6 54	4 57	19 16	0 20	13 40	2 48	14 13	0 59	22 42	0 22	12 11	1 48	2 53	0 46	3 12	1 44	25 48	10 58	17 6	16 47	18 56	5 53	6 16
S 30	22 34	2 46	4 37	18 54	0 38	13 26	3 2	14 25	0 59	22 43	0 22	12 12	1 49	2 53	0 46	3 12	1 44	25 48	10 58	17 4	16 46	18 55	5 54	6 16
M31	22s26	1n33	4n 3	18s34	0n55	13s13	3n17	14s37	0n58	22s44	0n22	12n13	1n49	2n53	0n46	3n13	1s44	25n49	10n58	17s 2	16s45	18s54	5n54	6s17

Julian Day Number = 2164075.5, Delta T = 12m55s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'54, Lahiri = 12°52'55 Julian Calendar 1 Dec. 1212 == Greg. Calendar 8 Dec. 1212

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

JANUARY 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 58	18♉ 7'02	7♈14	3°R27	15°R 8	12♏45	19♐24	2°R44	24°R32	12♈ 8	18°R15	17°R 9	16♏ 8	10♉57	29°R10	T 1
W 2	7 13 55	19° 8'07	20°13	3♒15	15♒ 2	13°22	19°37	2♍42	24♍32	12° 8	18♌14	17°D 9	16° 4	11° 4	29♌ 7	W 2
T 3	7 17 51	20° 9'11	3♉34	2°52	14°53	13°59	19°49	2°39	24°31	12° 9	18°13	17♏ 9	16° 1	11°11	29° 4	T 3
F 4	7 21 48	21°10'14	17°21	2°18	14°42	14°36	20° 2	2°36	24°30	12° 9	18°12	17°R10	15°58	11°17	29° 1	F 4
S 5	7 25 45	22°11'16	1♊35	1°33	14°28	15°13	20°15	2°33	24°30	12°10	18°10	17° 9	15°55	11°24	28°58	S 5
S 6	7 29 41	23°12'17	16°15	0°38	14°12	15°50	20°27	2°30	24°29	12°11	18° 9	17° 6	15°52	11°31	28°55	S 6
M 7	7 33 38	24°13'17	1♋17	29♉35	13°54	16°26	20°40	2°27	24°28	12°12	18° 8	17° 0	15°49	11°38	28°52	M 7
T 8	7 37 34	25°14'16	16°32	28°26	13°32	17° 3	20°52	2°23	24°27	12°12	18° 6	16°52	15°45	11°44	28°49	T 8
W 9	7 41 31	26°15'14	1♌52	27°13	13° 9	17°40	21° 5	2°20	24°26	12°13	18° 5	16°42	15°42	11°51	28°45	W 9
T 10	7 45 27	27°16'11	17° 3	25°58	12°44	18°17	21°17	2°17	24°25	12°14	18° 4	16°31	15°39	11°58	28°42	T 10
F 11	7 49 24	28°17'06	1♍56	24°43	12°16	18°53	21°30	2°13	24°24	12°15	18° 2	16°21	15°36	12° 4	28°38	F 11
S 12	7 53 21	29°18'01	16°23	23°30	11°47	19°30	21°42	2°10	24°23	12°16	18° 1	16°12	15°33	12°11	28°35	S 12
S 13	7 57 17	0♒18'55	0♎19	22°22	11°15	20° 7	21°54	2° 6	24°22	12°17	17°59	16° 6	15°29	12°18	28°31	S 13
M14	8 1 14	1°19'48	13°45	21°20	10°43	20°43	22° 6	2° 2	24°21	12°18	17°58	16° 3	15°26	12°24	28°27	M14
T 15	8 5 10	2°20'41	26°43	20°24	10° 9	21°20	22°18	1°58	24°20	12°19	17°57	16° 2	15°23	12°31	28°24	T 15
W16	8 9 7	3°21'32	9♏17	19°36	9°33	21°56	22°30	1°55	24°18	12°20	17°55	16° 2	15°20	12°38	28°20	W16
T 17	8 13 3	4°22'23	21°32	18°56	8°57	22°33	22°42	1°51	24°17	12°21	17°54	16° 2	15°17	12°45	28°16	T 17
F 18	8 17 0	5°23'12	3♐34	18°25	8°20	23° 9	22°54	1°47	24°16	12°22	17°52	16° 0	15°14	12°51	28°12	F 18
S 19	8 20 56	6°24'01	15°27	18° 2	7°43	23°45	23° 6	1°43	24°14	12°23	17°51	15°57	15°10	12°58	28° 8	S 19
S 20	8 24 53	7°24'48	27°16	17°47	7° 6	24°22	23°17	1°39	24°13	12°24	17°49	15°51	15° 7	13° 5	28° 3	S 20
M21	8 28 50	8°25'34	9♑ 4	17°D40	6°29	24°58	23°29	1°34	24°11	12°25	17°48	15°42	15° 4	13°11	27°59	M21
T 22	8 32 46	9°26'19	20°55	17°41	5°52	25°34	23°41	1°30	24°10	12°27	17°46	15°30	15° 1	13°18	27°55	T 22
W23	8 36 43	10°27'03	2♒51	17°48	5°16	26°11	23°52	1°26	24° 8	12°28	17°45	15°16	14°58	13°25	27°51	W23
T 24	8 40 39	11°27'45	14°52	18° 3	4°41	26°47	24° 3	1°22	24° 7	12°29	17°43	15° 0	14°55	13°31	27°46	T 24
F 25	8 44 36	12°28'26	27° 0	18°23	4° 6	27°23	24°15	1°17	24° 5	12°30	17°42	14°46	14°51	13°38	27°42	F 25
S 26	8 48 32	13°29'05	9♓16	18°49	3°33	27°59	24°26	1°13	24° 3	12°32	17°40	14°33	14°48	13°45	27°38	S 26
S 27	8 52 29	14°29'43	21°40	19°20	3° 2	28°35	24°37	1° 8	24° 1	12°33	17°39	14°22	14°45	13°52	27°33	S 27
M28	8 56 25	15°30'19	4♈14	19°56	2°32	29°11	24°48	1° 4	23°59	12°35	17°37	14°14	14°42	13°58	27°29	M28
T 29	9 0 22	16°30'53	17° 0	20°37	2° 4	29°47	24°59	0°59	23°58	12°36	17°36	14°10	14°39	14° 5	27°24	T 29
W30	9 4 18	17°31'25	0♉ 1	21°21	1°38	0♐23	25°10	0°55	23°56	12°37	17°34	14° 8	14°35	14°12	27°20	W30
T 31	9 8 15	18♒31'56	13♉19	22♉ 9	1♒15	0♐59	25♐21	0♍50	23♍54	12♈39	17♌33	14♏ 7	14♏32	14♉18	27♌15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s18	5n53	3n16	18s16	1n14	13s 0	3n31	14s49	0n58	22s45	0n22	12n14	1n49	2n53	0n46	3n13	1s44	25n49	10n59	17s 2	16s44	18s53	5n55	6s17
W 2	22 10	10 4	2 19	18 1	1 32	12 47	3 46	15 0	0 58	22 46	0 22	12 15	1 49	2 53	0 46	3 13	1 44	25 50	10 59	17 2	16 43	18 52	5 56	6 18
T 3	22 1	13 53	1 12	17 48	1 51	12 36	4 1	15 12	0 57	22 47	0 22	12 17	1 49	2 54	0 46	3 13	1 44	25 51	10 59	17 2	16 42	18 51	5 56	6 18
F 4	21 52	17 4	0s 1	17 38	2 9	12 25	4 16	15 23	0 57	22 48	0 22	12 18	1 50	2 54	0 46	3 14	1 44	25 51	10 59	17 2	16 41	18 50	5 57	6 18
S 5	21 42	19 19	1 16	17 32	2 26	12 14	4 31	15 34	0 56	22 49	0 22	12 19	1 50	2 54	0 47	3 14	1 44	25 52	11 0	17 2	16 40	18 49	5 58	6 19
S 6	21 32	20 22	2 28	17 28	2 42	12 5	4 46	15 45	0 56	22 50	0 22	12 20	1 50	2 55	0 47	3 14	1 44	25 53	11 0	17 1	16 39	18 48	5 58	6 19
M 7	21 22	20 0	3 32	17 26	2 57	11 56	5 1	15 56	0 55	22 51	0 21	12 22	1 50	2 55	0 47	3 15	1 44	25 53	11 0	16 59	16 38	18 47	5 59	6 19
T 8	21 11	18 11	4 21	17 28	3 10	11 47	5 15	16 7	0 55	22 52	0 21	12 23	1 51	2 55	0 47	3 15	1 44	25 54	11 0	16 57	16 37	18 46	6 0	6 20
W 9	20 59	15 5	4 52	17 32	3 20	11 40	5 30	16 18	0 54	22 53	0 21	12 24	1 51	2 56	0 47	3 15	1 44	25 55	11 0	16 54	16 37	18 45	6 1	6 20
T 10	20 48	10 59	5 2	17 38	3 28	11 34	5 44	16 29	0 54	22 54	0 21	12 26	1 51	2 56	0 47	3 16	1 44	25 55	11 1	16 51	16 36	18 44	6 2	6 20
F 11	20 35	6 18	4 51	17 46	3 34	11 28	5 58	16 39	0 53	22 55	0 21	12 27	1 51	2 57	0 47	3 16	1 44	25 56	11 1	16 48	16 35	18 43	6 3	6 20
S 12	20 23	1 23	4 22	17 55	3 37	11 23	6 11	16 50	0 53	22 56	0 21	12 29	1 51	2 57	0 47	3 17	1 44	25 56	11 1	16 45	16 34	18 42	6 4	6 21
S 13	20 10	3s27	3 37	18 5	3 38	11 19	6 24	17 0	0 52	22 56	0 21	12 30	1 52	2 58	0 47	3 17	1 43	25 57	11 1	16 44	16 33	18 41	6 5	6 21
M14	19 57	7 56	2 42	18 16	3 37	11 15	6 37	17 10	0 52	22 57	0 21	12 32	1 52	2 58	0 47	3 18	1 43	25 58	11 1	16 43	16 32	18 40	6 6	6 21
T 15	19 43	11 54	1 41	18 28	3 33	11 13	6 48	17 21	0 51	22 58	0 21	12 33	1 52	2 59	0 47	3 18	1 43	25 58	11 2	16 42	16 31	18 38	6 7	6 21
W16	19 29	15 13	0 36	18 40	3 28	11 11	7 0	17 31	0 51	22 59	0 21	12 35	1 52	2 59	0 47	3 18	1 43	25 59	11 2	16 42	16 30	18 37	6 8	6 22
T 17	19 15	17 45	0n29	18 52	3 21	11 10	7 10	17 40	0 50	22 59	0 21	12 37	1 52	3 0	0 47	3 19	1 43	26 0	11 2	16 42	16 29	18 36	6 9	6 22
F 18	19 0	19 27	1 31	19 5	3 13	11 10	7 20	17 50	0 50	23 0	0 21	12 38	1 52	3 0	0 47	3 19	1 43	26 0	11 2	16 42	16 28	18 35	6 10	6 22
S 19	18 45	20 16	2 29	19 17	3 4	11 11	7 29	18 0	0 49	23 1	0 21	12 40	1 53	3 1	0 47	3 20	1 43	26 1	11 2	16 41	16 27	18 34	6 12	6 22
S 20	18 30	20 11	3 20	19 29	2 54	11 12	7 37	18 9	0 49	23 2	0 21	12 41	1 53	3 2	0 47	3 20	1 43	26 1	11 2	16 39	16 26	18 33	6 13	6 22
M21	18 14	19 13	4 1	19 40	2 43	11 14	7 44	18 19	0 48	23 2	0 21	12 43	1 53	3 2	0 47	3 21	1 43	26 2	11 2	16 36	16 25	18 32	6 14	6 22
T 22	17 58	17 25	4 33	19 51	2 32	11 17	7 50	18 28	0 47	23 3	0 21	12 45	1 53	3 3	0 47	3 21	1 43	26 3	11 3	16 33	16 24	18 31	6 16	6 23
W23	17 42	14 51	4 53	20 1	2 21	11 20	7 55	18 37	0 47	23 3	0 20	12 46	1 53	3 4	0 47	3 22	1 43	26 3	11 3	16 29	16 24	18 30	6 17	6 23
T 24	17 25	11 40	4 59	20 11	2 9	11 24	8 0	18 46	0 46	23 4	0 20	12 48	1 53	3 4	0 47	3 22	1 43	26 4	11 3	16 24	16 23	18 29	6 18	6 23
F 25	17 8	7 59	4 53	20 20	1 57	11 29	8 3	18 55	0 46	23 5	0 20	12 50	1 54	3 5	0 47	3 23	1 43	26 4	11 3	16 20	16 22	18 27	6 20	6 23
S 26	16 51	3 55	4 33	20 28	1 45	11 34	8 6	19 4	0 45	23 5	0 20	12 52	1 54	3 6	0 47	3 24	1 43	26 5	11 3	16 16	16 21	18 26	6 21	6 23
S 27	16 33	0n21	3 59	20 36	1 33	11 39	8 7	19 13	0 44	23 6	0 20	12 53	1 54	3 6	0 47	3 24	1 43	26 6	11 3	16 13	16 20	18 25	6 23	6 23
M28	16 15	4 39	3 14	20 42	1 22	11 45	8 8	19 21	0 44	23 6	0 20	12 55	1 54	3 7	0 47	3 25	1 43	26 6	11 3	16 11	16 19	18 24	6 24	6 23
T 29	15 57	8 50	2 18	20 48	1 10	11 51	8 8	19 29	0 43	23 7	0 20	12 57	1 54	3 8	0 47	3 25	1 43	26 7	11 3	16 9	16 18	18 23	6 26	6 23
W30	15 39	12 41	1 14	20 52	0 59	11 57	8 7	19 38	0 42	23 7	0 20	12 59	1 54	3 9	0 47	3 26	1 43	26 7	11 3	16 9	16 17	18 22	6 27	6 23
T 31	15s20	15n58	0n 4	20s56	0n48	12s 4	8n 6	19s46	0n41	23s 7	0n20	13n 0	1n54	3n 9	0n47	3n27	1s43	26n 8	11n 3	16s 9	16s16	18s21	6n29	6s23

Julian Day Number = 2164106.5, Delta T = 12m55s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°45'59, Lahiri = 12°52'59 Julian Calendar 1 Jan. 1213 == Greg. Calendar 8 Jan. 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

FEBRUARY 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 12 12	19♒32'24	26♉57	23♋ 1	0°R53	1♐34	25♐31	0°R45	23°R52	12♈40	17°R31	14°R 7	14♏29	14♋25	27°R10	F 1
S 2	9 16 8	20°32'51	10♊56	23°56	0♒34	2°10	25°42	0♍41	23♍50	12°42	17♌30	14♏ 6	14°26	14°32	27♌ 6	S 2
S 3	9 20 5	21°33'16	25°18	24°54	0°17	2°46	25°52	0°36	23°48	12°43	17°28	14° 3	14°23	14°38	27° 1	S 3
M 4	9 24 1	22°33'38	10♋ 0	25°54	0° 2	3°21	26° 3	0°31	23°46	12°45	17°27	13°57	14°20	14°45	26°56	M 4
T 5	9 27 58	23°33'59	24°57	26°57	29♋50	3°57	26°13	0°27	23°44	12°47	17°25	13°48	14°16	14°52	26°52	T 5
W 6	9 31 54	24°34'18	10♌ 1	28° 3	29°41	4°33	26°23	0°22	23°42	12°48	17°24	13°38	14°13	14°59	26°47	W 6
T 7	9 35 51	25°34'35	25° 2	29°10	29°34	5° 8	26°33	0°17	23°39	12°50	17°22	13°26	14°10	15° 5	26°42	T 7
F 8	9 39 47	26°34'50	9♍51	0♒20	29°29	5°43	26°43	0°12	23°37	12°52	17°21	13°15	14° 7	15°12	26°38	F 8
S 9	9 43 44	27°35'03	24°18	1°32	29°D27	6°19	26°53	0° 8	23°35	12°53	17°19	13° 6	14° 4	15°19	26°33	S 9
S 10	9 47 41	28°35'15	8♎20	2°46	29°27	6°54	27° 3	0° 3	23°33	12°55	17°18	12°59	14° 0	15°25	26°28	S 10
M11	9 51 37	29°35'25	21°52	4° 1	29°30	7°29	27°12	29♌58	23°30	12°57	17°17	12°55	13°57	15°32	26°24	M11
T 12	9 55 34	0♓35'33	4♏56	5°18	29°35	8° 4	27°22	29°53	23°28	12°59	17°15	12°53	13°54	15°39	26°19	T 12
W13	9 59 30	1°35'40	17°36	6°37	29°43	8°39	27°31	29°48	23°26	13° 0	17°14	12°D53	13°51	15°46	26°14	W13
T 14	10 3 27	2°35'45	29°55	7°57	29°52	9°15	27°41	29°44	23°23	13° 2	17°12	12°R53	13°48	15°52	26°10	T 14
F 15	10 7 23	3°35'49	11♐59	9°18	0♒ 4	9°49	27°50	29°39	23°21	13° 4	17°11	12°53	13°45	15°59	26° 5	F 15
S 16	10 11 20	4°35'51	23°54	10°42	0°18	10°24	27°59	29°34	23°19	13° 6	17° 9	12°51	13°41	16° 6	26° 0	S 16
S 17	10 15 16	5°35'52	5♋43	12° 6	0°34	10°59	28° 8	29°29	23°16	13° 8	17° 8	12°47	13°38	16°12	25°56	S 17
M18	10 19 13	6°35'50	17°33	13°32	0°52	11°34	28°17	29°24	23°14	13°10	17° 7	12°40	13°35	16°19	25°51	M18
T 19	10 23 10	7°35'47	29°27	14°59	1°12	12° 9	28°25	29°20	23°11	13°11	17° 5	12°31	13°32	16°26	25°47	T 19
W20	10 27 6	8°35'42	11♒27	16°27	1°34	12°43	28°34	29°15	23° 9	13°13	17° 4	12°19	13°29	16°32	25°42	W20
T 21	10 31 3	9°35'35	23°36	17°57	1°58	13°18	28°42	29°10	23° 6	13°15	17° 2	12° 7	13°26	16°39	25°38	T 21
F 22	10 34 59	10°35'26	5♓56	19°28	2°23	13°52	28°51	29° 6	23° 4	13°17	17° 1	11°55	13°22	16°46	25°33	F 22
S 23	10 38 56	11°35'16	18°26	21° 0	2°50	14°26	28°59	29° 1	23° 1	13°19	17° 0	11°45	13°19	16°53	25°29	S 23
S 24	10 42 52	12°35'03	1♈ 7	22°34	3°19	15° 1	29° 7	28°56	22°59	13°21	16°58	11°36	13°16	16°59	25°24	S 24
M25	10 46 49	13°34'48	13°59	24° 9	3°49	15°35	29°15	28°52	22°56	13°23	16°57	11°30	13°13	17° 6	25°20	M25
T 26	10 50 45	14°34'31	27° 3	25°45	4°20	16° 9	29°22	28°47	22°54	13°25	16°56	11°27	13°10	17°13	25°16	T 26
W27	10 54 42	15°34'11	10♉18	27°22	4°53	16°43	29°30	28°43	22°51	13°27	16°54	11°D26	13° 6	17°19	25°11	W27
T 28	10 58 39	16♓33'50	23♉45	29♒ 0	5♒28	17♐17	29♐37	28♌38	22♍49	13♈29	16♌53	11♏26	13♏ 3	17♋26	25♌ 7	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 1	18n28	1s 7	20s58	0n37	12s11	8n 3	19s54	0n41	23s 8	0n20	13n 2	1n55	3n10	0n47	3n27	1s43	26n 8	11n 4	16s 9	16s15	18s19	6n30	6s23
S 2	14 42	19 55	2 17	20 59	0 26	12 18	8 0	20 2	0 40	23 8	0 20	13 4	1 55	3 11	0 47	3 28	1 43	26 9	11 4	16 8	16 14	18 18	6 32	6 23
S 3	14 23	20 8	3 19	20 59	0 16	12 25	7 56	20 9	0 39	23 9	0 20	13 6	1 55	3 12	0 47	3 28	1 42	26 9	11 4	16 7	16 13	18 17	6 33	6 23
M 4	14 3	19 0	4 10	20 58	0 5	12 32	7 52	20 17	0 39	23 9	0 20	13 7	1 55	3 13	0 47	3 29	1 42	26 10	11 4	16 6	16 12	18 16	6 35	6 23
T 5	13 43	16 34	4 45	20 56	0s 4	12 39	7 47	20 25	0 38	23 9	0 20	13 9	1 55	3 14	0 47	3 30	1 42	26 10	11 4	16 3	16 11	18 15	6 37	6 23
W 6	13 23	12 59	5 0	20 52	0 14	12 47	7 41	20 32	0 37	23 10	0 20	13 11	1 55	3 14	0 47	3 30	1 42	26 11	11 4	16 0	16 10	18 14	6 38	6 23
T 7	13 3	8 36	4 55	20 47	0 23	12 54	7 35	20 39	0 36	23 10	0 20	13 13	1 55	3 15	0 48	3 31	1 42	26 11	11 4	15 56	16 9	18 13	6 40	6 22
F 8	12 42	3 45	4 29	20 41	0 32	13 1	7 29	20 46	0 35	23 10	0 20	13 15	1 55	3 16	0 48	3 32	1 42	26 12	11 4	15 53	16 8	18 11	6 42	6 22
S 9	12 22	1s12	3 47	20 34	0 40	13 8	7 22	20 53	0 35	23 11	0 20	13 16	1 55	3 17	0 48	3 33	1 42	26 12	11 4	15 50	16 8	18 10	6 43	6 22
S 10	12 1	5 57	2 52	20 25	0 49	13 15	7 15	21 0	0 34	23 11	0 19	13 18	1 56	3 18	0 48	3 33	1 42	26 13	11 4	15 48	16 7	18 9	6 45	6 22
M11	11 40	10 14	1 49	20 15	0 57	13 22	7 8	21 7	0 33	23 11	0 19	13 20	1 56	3 19	0 48	3 34	1 42	26 13	11 4	15 47	16 6	18 8	6 47	6 22
T 12	11 19	13 53	0 42	20 3	1 4	13 28	7 0	21 13	0 32	23 11	0 19	13 22	1 56	3 20	0 48	3 35	1 42	26 14	11 4	15 46	16 5	18 7	6 49	6 22
W13	10 57	16 45	0n25	19 51	1 11	13 35	6 52	21 20	0 31	23 12	0 19	13 24	1 56	3 21	0 48	3 35	1 42	26 14	11 4	15 46	16 4	18 6	6 50	6 21
T 14	10 36	18 46	1 29	19 37	1 18	13 41	6 44	21 26	0 30	23 12	0 19	13 25	1 56	3 22	0 48	3 36	1 42	26 15	11 4	15 46	16 3	18 4	6 52	6 21
F 15	10 14	19 52	2 28	19 21	1 24	13 47	6 35	21 32	0 29	23 12	0 19	13 27	1 56	3 23	0 48	3 37	1 42	26 15	11 4	15 46	16 2	18 3	6 54	6 21
S 16	9 52	20 4	3 20	19 5	1 31	13 52	6 27	21 38	0 28	23 12	0 19	13 29	1 56	3 24	0 48	3 38	1 42	26 16	11 4	15 46	16 1	18 2	6 56	6 21
S 17	9 30	19 23	4 2	18 47	1 36	13 57	6 18	21 44	0 27	23 13	0 19	13 31	1 56	3 25	0 48	3 38	1 42	26 16	11 4	15 44	16 0	18 1	6 57	6 21
M18	9 8	17 51	4 35	18 27	1 42	14 2	6 9	21 50	0 26	23 13	0 19	13 32	1 56	3 26	0 48	3 39	1 42	26 17	11 4	15 42	15 59	18 0	6 59	6 20
T 19	8 45	15 32	4 55	18 6	1 47	14 7	6 0	21 55	0 25	23 13	0 19	13 34	1 56	3 27	0 48	3 40	1 42	26 17	11 4	15 39	15 58	17 58	7 1	6 20
W20	8 23	12 34	5 3	17 44	1 51	14 11	5 51	22 1	0 24	23 13	0 19	13 36	1 56	3 28	0 48	3 41	1 42	26 17	11 4	15 36	15 57	17 57	7 3	6 20
T 21	8 0	9 2	4 57	17 21	1 55	14 14	5 42	22 6	0 23	23 13	0 19	13 37	1 56	3 29	0 48	3 41	1 42	26 18	11 4	15 32	15 56	17 56	7 4	6 19
F 22	7 38	5 5	4 37	16 56	1 59	14 18	5 33	22 11	0 22	23 13	0 19	13 39	1 56	3 30	0 48	3 42	1 42	26 18	11 4	15 29	15 55	17 55	7 6	6 19
S 23	7 15	0 51	4 4	16 29	2 3	14 21	5 24	22 16	0 21	23 13	0 19	13 41	1 56	3 31	0 48	3 43	1 42	26 19	11 4	15 25	15 54	17 54	7 8	6 19
S 24	6 52	3n28	3 18	16 2	2 5	14 23	5 15	22 21	0 20	23 14	0 19	13 42	1 56	3 32	0 48	3 44	1 42	26 19	11 3	15 23	15 53	17 52	7 10	6 18
M25	6 29	7 42	2 21	15 32	2 8	14 25	5 6	22 26	0 19	23 14	0 19	13 44	1 56	3 33	0 48	3 45	1 42	26 19	11 3	15 21	15 52	17 51	7 12	6 18
T 26	6 6	11 39	1 16	15 2	2 10	14 27	4 57	22 31	0 18	23 14	0 19	13 46	1 56	3 34	0 48	3 45	1 42	26 20	11 3	15 20	15 51	17 50	7 13	6 17
W27	5 43	15 4	0 6	14 30	2 12	14 28	4 48	22 36	0 17	23 14	0 19	13 47	1 56	3 35	0 48	3 46	1 42	26 20	11 3	15 19	15 50	17 49	7 15	6 17
T 28	5s19	17n44	1s 6	13s57	2s13	14s29	4n39	22s40	0n16	23s14	0n18	13n49	1n56	3n36	0n48	3n47	1s42	26n20	11n 3	15s20	15s49	17s48	7n17	6s17

Julian Day Number = 2164137.5, Delta T = 12m55s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'03, Lahiri = 12°53'03 Julian Calendar 1 Feb. 1213 == Greg. Calendar 8 Feb. 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

MARCH 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 2 35	17♓33'26	7♊26	0♓40	6♒ 3	17♐51	29♐45	28°R34	22°R46	13♈31	16°R52	11♏27	13♏ 0	17♑33	25°R 3	F 1
S 2	11 6 32	18°33'00	21°22	2°21	6°40	18°24	29°52	28♌30	22♍43	13°34	16♌51	11°R27	12°57	17°40	24♌59	S 2
S 3	11 10 28	19°32'31	5♋32	4° 3	7°18	18°58	29°59	28°25	22°41	13°36	16°49	11°26	12°54	17°46	24°55	S 3
M 4	11 14 25	20°32'00	19°55	5°46	7°58	19°31	0♑ 6	28°21	22°38	13°38	16°48	11°23	12°51	17°53	24°51	M 4
T 5	11 18 21	21°31'27	4♌27	7°31	8°38	20° 5	0°13	28°17	22°36	13°40	16°47	11°18	12°47	18° 0	24°47	T 5
W 6	11 22 18	22°30'51	19° 5	9°17	9°20	20°38	0°19	28°13	22°33	13°42	16°46	11°11	12°44	18° 6	24°43	W 6
T 7	11 26 14	23°30'13	3♍41	11° 5	10° 2	21°11	0°26	28° 8	22°30	13°44	16°45	11° 3	12°41	18°13	24°39	T 7
F 8	11 30 11	24°29'33	18° 8	12°53	10°46	21°44	0°32	28° 4	22°28	13°46	16°44	10°56	12°38	18°20	24°36	F 8
S 9	11 34 7	25°28'50	2♎20	14°43	11°30	22°17	0°38	28° 0	22°25	13°48	16°42	10°49	12°35	18°27	24°32	S 9
S 10	11 38 4	26°28'06	16°12	16°35	12°16	22°50	0°44	27°56	22°23	13°51	16°41	10°45	12°31	18°33	24°28	S 10
M11	11 42 1	27°27'20	29°40	18°27	13° 2	23°23	0°50	27°53	22°20	13°53	16°40	10°42	12°28	18°40	24°25	M11
T 12	11 45 57	28°26'31	12♏44	20°21	13°49	23°55	0°56	27°49	22°17	13°55	16°39	10°D42	12°25	18°47	24°22	T 12
W13	11 49 54	29°25'41	25°26	22°17	14°37	24°28	1° 1	27°45	22°15	13°57	16°38	10°43	12°22	18°53	24°18	W13
T 14	11 53 50	0♈24'49	7♐49	24°14	15°26	25° 0	1° 7	27°41	22°12	13°59	16°37	10°44	12°19	19° 0	24°15	T 14
F 15	11 57 47	1°23'56	19°57	26°12	16°16	25°32	1°12	27°38	22°10	14° 2	16°36	10°46	12°16	19° 7	24°12	F 15
S 16	12 1 43	2°23'00	1♑55	28°11	17° 6	26° 4	1°17	27°34	22° 7	14° 4	16°35	10°R46	12°12	19°14	24° 9	S 16
S 17	12 5 40	3°22'03	13°47	0♈11	17°57	26°36	1°22	27°31	22° 5	14° 6	16°34	10°46	12° 9	19°20	24° 6	S 17
M18	12 9 36	4°21'04	25°39	2°13	18°49	27° 8	1°26	27°28	22° 2	14° 8	16°33	10°43	12° 6	19°27	24° 3	M18
T 19	12 13 33	5°20'03	7♒35	4°16	19°41	27°40	1°31	27°24	22° 0	14°11	16°32	10°40	12° 3	19°34	24° 0	T 19
W20	12 17 30	6°19'00	19°40	6°19	20°34	28°11	1°35	27°21	21°57	14°13	16°32	10°35	12° 0	19°40	23°57	W20
T 21	12 21 26	7°17'55	1♓55	8°24	21°28	28°43	1°40	27°18	21°55	14°15	16°31	10°29	11°57	19°47	23°54	T 21
F 22	12 25 23	8°16'48	14°24	10°29	22°22	29°14	1°44	27°15	21°52	14°17	16°30	10°23	11°53	19°54	23°52	F 22
S 23	12 29 19	9°15'40	27° 8	12°35	23°16	29°45	1°47	27°12	21°50	14°20	16°29	10°18	11°50	20° 0	23°49	S 23
S 24	12 33 16	10°14'29	10♈ 8	14°41	24°11	0♑16	1°51	27° 9	21°47	14°22	16°28	10°14	11°47	20° 7	23°47	S 24
M25	12 37 12	11°13'16	23°21	16°47	25° 7	0°46	1°55	27° 6	21°45	14°24	16°28	10°11	11°44	20°14	23°45	M25
T 26	12 41 9	12°12'02	6♉48	18°52	26° 3	1°17	1°58	27° 4	21°42	14°26	16°27	10°D10	11°41	20°21	23°43	T 26
W27	12 45 5	13°10'45	20°27	20°58	27° 0	1°47	2° 1	27° 1	21°40	14°29	16°26	10°11	11°37	20°27	23°40	W27
T 28	12 49 2	14° 9'26	4♊16	23° 2	27°57	2°17	2° 4	26°59	21°38	14°31	16°25	10°12	11°34	20°34	23°38	T 28
F 29	12 52 59	15° 8'05	18°14	25° 5	28°54	2°47	2° 7	26°56	21°35	14°33	16°25	10°13	11°31	20°41	23°37	F 29
S 30	12 56 55	16° 6'42	2♋18	27° 7	29°52	3°17	2° 9	26°54	21°33	14°35	16°24	10°14	11°28	20°47	23°35	S 30
S 31	13 0 52	17♈ 5'17	16♋29	29♈ 7	0♓51	3♑47	2♑12	26♌52	21♍31	14♈38	16♌24	10°R15	11♏25	20♑54	23♌33	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	4s56	19n25	2s15	13s22	2s14	14s29	4n29	22s44	0n15	23s14	0n18	13n50	1n56	3n37	0n48	3n48	1s42	26n21	11n 3	15s20	15s48	17s46	7n19	6s16	F 1
S 2	4 33	19 58	3 17	12 46	2 14	14 29	4 20	22 48	0 13	23 14	0 18	13 52	1 56	3 38	0 48	3 49	1 42	26 21	11 3	15 20	15 47	17 45	7 21	6 16	S 2
S 3	4 9	19 17	4 9	12 9	2 14	14 28	4 11	22 52	0 12	23 14	0 18	13 53	1 56	3 39	0 48	3 50	1 42	26 21	11 3	15 20	15 46	17 44	7 22	6 15	S 3
M 4	3 46	17 20	4 46	11 30	2 14	14 27	4 2	22 56	0 11	23 14	0 18	13 55	1 56	3 40	0 48	3 50	1 42	26 21	11 3	15 19	15 45	17 43	7 24	6 15	M 4
T 5	3 22	14 17	5 5	10 50	2 13	14 25	3 54	23 0	0 10	23 14	0 18	13 56	1 56	3 41	0 48	3 51	1 42	26 22	11 3	15 17	15 45	17 41	7 26	6 14	T 5
W 6	2 59	10 21	5 4	10 9	2 11	14 23	3 45	23 4	0 9	23 14	0 18	13 58	1 56	3 42	0 48	3 52	1 42	26 22	11 3	15 15	15 44	17 40	7 28	6 14	W 6
T 7	2 35	5 47	4 44	9 26	2 9	14 20	3 36	23 7	0 7	23 14	0 18	13 59	1 56	3 43	0 48	3 53	1 42	26 22	11 2	15 12	15 43	17 39	7 29	6 13	T 7
F 8	2 12	0 57	4 5	8 42	2 7	14 17	3 27	23 11	0 6	23 14	0 18	14 1	1 56	3 44	0 48	3 54	1 42	26 22	11 2	15 10	15 42	17 38	7 31	6 13	F 8
S 9	1 48	3s52	3 12	7 57	2 4	14 13	3 19	23 14	0 5	23 14	0 18	14 2	1 56	3 45	0 48	3 55	1 41	26 23	11 2	15 8	15 41	17 37	7 33	6 12	S 9
S 10	1 25	8 22	2 9	7 10	2 0	14 9	3 10	23 17	0 3	23 14	0 18	14 3	1 56	3 46	0 48	3 56	1 41	26 23	11 2	15 7	15 40	17 35	7 34	6 12	S 10
M11	1 1	12 20	0 59	6 22	1 56	14 4	3 2	23 21	0 2	23 14	0 18	14 5	1 56	3 47	0 48	3 56	1 41	26 23	11 2	15 6	15 39	17 34	7 36	6 11	M11
T 12	0 37	15 33	0n11	5 33	1 52	13 59	2 54	23 23	0 0	23 14	0 18	14 6	1 56	3 48	0 48	3 57	1 41	26 23	11 2	15 6	15 38	17 33	7 38	6 11	T 12
W13	0 14	17 55	1 19	4 43	1 47	13 53	2 45	23 26	0s 1	23 14	0 18	14 7	1 56	3 49	0 48	3 58	1 41	26 24	11 2	15 6	15 37	17 32	7 39	6 10	W13
T 14	0n10	19 22	2 22	3 51	1 41	13 46	2 37	23 29	0 2	23 14	0 18	14 8	1 56	3 50	0 48	3 59	1 41	26 24	11 1	15 6	15 36	17 30	7 41	6 9	T 14
F 15	0 34	19 53	3 17	2 58	1 35	13 39	2 29	23 32	0 4	23 14	0 18	14 10	1 56	3 51	0 48	4 0	1 41	26 24	11 1	15 7	15 35	17 29	7 42	6 9	F 15
S 16	0 57	19 29	4 3	2 5	1 29	13 32	2 21	23 34	0 5	23 14	0 18	14 11	1 56	3 52	0 48	4 1	1 41	26 24	11 1	15 7	15 34	17 28	7 44	6 8	S 16
S 17	1 21	18 13	4 38	1 10	1 21	13 24	2 13	23 37	0 7	23 15	0 17	14 12	1 56	3 53	0 48	4 2	1 41	26 24	11 1	15 7	15 33	17 26	7 46	6 8	S 17
M18	1 44	16 11	5 0	0 15	1 14	13 16	2 5	23 39	0 8	23 15	0 17	14 13	1 56	3 54	0 48	4 3	1 41	26 24	11 1	15 6	15 32	17 25	7 47	6 7	M18
T 19	2 8	13 27	5 11	0n42	1 6	13 7	1 58	23 41	0 10	23 15	0 17	14 14	1 56	3 55	0 48	4 3	1 41	26 24	11 1	15 5	15 31	17 24	7 49	6 6	T 19
W20	2 31	10 7	5 7	1 39	0 57	12 57	1 50	23 43	0 12	23 15	0 17	14 15	1 56	3 56	0 48	4 4	1 41	26 25	11 0	15 3	15 30	17 23	7 50	6 6	W20
T 21	2 55	6 19	4 50	2 37	0 48	12 47	1 43	23 45	0 13	23 15	0 17	14 16	1 56	3 57	0 48	4 5	1 41	26 25	11 0	15 2	15 29	17 21	7 52	6 5	T 21
F 22	3 18	2 11	4 18	3 35	0 38	12 37	1 36	23 47	0 15	23 15	0 17	14 17	1 56	3 58	0 48	4 6	1 41	26 25	11 0	15 0	15 28	17 20	7 53	6 4	F 22
S 23	3 41	2n 7	3 34	4 33	0 28	12 26	1 28	23 49	0 17	23 15	0 17	14 18	1 55	3 59	0 48	4 7	1 41	26 25	11 0	14 58	15 27	17 19	7 55	6 4	S 23
S 24	4 4	6 26	2 37	5 32	0 18	12 14	1 21	23 51	0 18	23 15	0 17	14 19	1 55	4 0	0 48	4 8	1 41	26 25	11 0	14 57	15 26	17 18	7 56	6 3	S 24
M25	4 27	10 31	1 31	6 30	0 8	12 2	1 14	23 52	0 20	23 15	0 17	14 20	1 55	4 1	0 48	4 9	1 41	26 25	11 0	14 56	15 25	17 16	7 57	6 2	M25
T 26	4 51	14 8	0 18	7 28	0n 3	11 50	1 7	23 54	0 22	23 15	0 17	14 21	1 55	4 2	0 48	4 10	1 41	26 25	10 59	14 56	15 24	17 15	7 59	6 2	T 26
W27	5 13	17 2	0s56	8 26	0 14	11 37	1 0	23 55	0 24	23 15	0 17	14 22	1 55	4 3	0 48	4 10	1 41	26 25	10 59	14 56	15 23	17 14	8 0	6 1	W27
T 28	5 36	18 59	2 8	9 23	0 25	11 24	0 54	23 57	0 26	23 15	0 17	14 22	1 55	4 4	0 48	4 11	1 41	26 25	10 59	14 56	15 22	17 12	8 1	6 0	T 28
F 29	5 59	19 48	3 14	10 19	0 36	11 10	0 47	23 58	0 27	23 15	0 17	14 23	1 55	4 5	0 48	4 12	1 41	26 25	10 59	14 57	15 21	17 11	8 3	6 0	F 29
S 30	6 22	19 23	4 8	11 14	0 48	10 56	0 41	23 59	0 29	23 15	0 17	14 24	1 55	4 5	0 48	4 13	1 41	26 25	10 59	14 57	15 20	17 10	8 4	5 59	S 30
S 31	6n44	17n45	4s48	12n 7	0n58	10s41	0n35	24s 0	0s31	23s15	0n17	14n24	1n55	4n 6	0n47	4n14	1s41	26n25	10n58	14s57	15s19	17s 8	8n 5	5s58	S 31

Julian Day Number = 2164165.5, Delta T = 12m55s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'07, Lahiri = 12°53'07 Julian Calendar 1 March 1213 == Greg. Calendar 8 March 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

APRIL 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 4 48	18♈ 3'49	0♌42	1♉ 5	1♓49	4♑16	2♑14	26°R49	21°R29	14♈40	16°R23	10°R15	11♏22	21♑ 1	23°R32	M 1
T 2	13 8 45	19° 2'19	14°57	3° 0	2°49	4°45	2°16	26♌47	21♍26	14°42	16♌22	10♏13	11°18	21° 8	23♌30	T 2
W 3	13 12 41	20° 0'46	29°10	4°53	3°48	5°14	2°18	26°45	21°24	14°44	16°22	10°11	11°15	21°14	23°29	W 3
T 4	13 16 38	20°59'12	13♍17	6°42	4°48	5°43	2°20	26°44	21°22	14°47	16°21	10° 8	11°12	21°21	23°27	T 4
F 5	13 20 34	21°57'35	27°15	8°28	5°48	6°11	2°21	26°42	21°20	14°49	16°21	10° 6	11° 9	21°28	23°26	F 5
S 6	13 24 31	22°55'56	11♎ 1	10°11	6°48	6°40	2°22	26°40	21°18	14°51	16°20	10° 4	11° 6	21°34	23°25	S 6
S 7	13 28 27	23°54'16	24°31	11°50	7°49	7° 8	2°23	26°39	21°16	14°53	16°20	10° 2	11° 3	21°41	23°24	S 7
M 8	13 32 24	24°52'33	7♏44	13°25	8°50	7°36	2°24	26°37	21°14	14°56	16°20	10°D 2	10°59	21°48	23°24	M 8
T 9	13 36 21	25°50'49	20°39	14°56	9°52	8° 3	2°25	26°36	21°12	14°58	16°19	10° 2	10°56	21°55	23°23	T 9
W10	13 40 17	26°49'03	3♐17	16°23	10°54	8°31	2°26	26°35	21°10	15° 0	16°19	10° 3	10°53	22° 1	23°22	W10
T 11	13 44 14	27°47'16	15°38	17°46	11°56	8°58	2°26	26°34	21° 8	15° 2	16°19	10° 4	10°50	22° 8	23°22	T 11
F 12	13 48 10	28°45'27	27°47	19° 4	12°58	9°25	2°R26	26°33	21° 6	15° 5	16°18	10° 5	10°47	22°15	23°21	F 12
S 13	13 52 7	29°43'36	9♑46	20°18	14° 0	9°51	2°26	26°32	21° 4	15° 7	16°18	10° 6	10°43	22°21	23°21	S 13
S 14	13 56 3	0♉41'44	21°40	21°27	15° 3	10°18	2°26	26°31	21° 2	15° 9	16°18	10° 6	10°40	22°28	23°21	S 14
M15	14 0 0	1°39'51	3♒33	22°32	16° 6	10°44	2°26	26°30	21° 0	15°11	16°18	10°R 7	10°37	22°35	23°D21	M15
T 16	14 3 56	2°37'56	15°30	23°32	17°10	11°10	2°25	26°29	20°59	15°13	16°18	10° 6	10°34	22°42	23°21	T 16
W17	14 7 53	3°35'59	27°36	24°27	18°13	11°35	2°24	26°29	20°57	15°16	16°17	10° 6	10°31	22°48	23°21	W17
T 18	14 11 50	4°34'01	9♓54	25°17	19°17	12° 0	2°23	26°29	20°55	15°18	16°17	10° 5	10°28	22°55	23°21	T 18
F 19	14 15 46	5°32'02	22°28	26° 3	20°21	12°25	2°22	26°28	20°54	15°20	16°17	10° 5	10°24	23° 2	23°22	F 19
S 20	14 19 43	6°30'01	5♈21	26°44	21°25	12°50	2°21	26°28	20°52	15°22	16°17	10° 4	10°21	23° 8	23°22	S 20
S 21	14 23 39	7°27'59	18°34	27°19	22°30	13°14	2°19	26°D28	20°51	15°24	16°D17	10° 4	10°18	23°15	23°23	S 21
M22	14 27 36	8°25'55	2♉ 6	27°50	23°34	13°38	2°18	26°28	20°49	15°26	16°17	10° 4	10°15	23°22	23°23	M22
T 23	14 31 32	9°23'50	15°56	28°16	24°39	14° 1	2°16	26°28	20°48	15°28	16°17	10°D 4	10°12	23°29	23°24	T 23
W24	14 35 29	10°21'43	0♊ 2	28°36	25°44	14°24	2°14	26°28	20°46	15°31	16°17	10°R 4	10° 8	23°35	23°25	W24
T 25	14 39 25	11°19'35	14°19	28°52	26°49	14°47	2°11	26°29	20°45	15°33	16°18	10° 4	10° 5	23°42	23°26	T 25
F 26	14 43 22	12°17'25	28°42	29° 2	27°54	15° 9	2° 9	26°29	20°44	15°35	16°18	10° 3	10° 2	23°49	23°27	F 26
S 27	14 47 19	13°15'13	13♋ 7	29° 8	29° 0	15°31	2° 6	26°30	20°42	15°37	16°18	10° 3	9°59	23°56	23°29	S 27
S 28	14 51 15	14°13'00	27°29	29°R 8	0♈ 5	15°53	2° 4	26°30	20°41	15°39	16°18	10° 3	9°56	24° 2	23°30	S 28
M29	14 55 12	15°10'45	11♌45	29° 4	1°11	16°14	2° 1	26°31	20°40	15°41	16°18	10°D 3	9°53	24° 9	23°31	M29
T 30	14 59 8	16♉ 8'28	25♌53	28♉55	2♈17	16♑35	1♑57	26♌32	20♍39	15♈43	16♌18	10♏ 3	9♏49	24♑16	23♌33	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n 7	15n 2	5s10	12n59	1n 9	10s26	0n28	24s 1	0s33	23s15	0n16	14n25	1n55	4n 7	0n47	4n15	1s41	26n25	10n58	14s57	15s18	17s 7	8n 6	5s57
T 2	7 29	11 25	5 14	13 49	1 20	10 10	0 22	24 2	0 35	23 15	0 16	14 26	1 55	4 8	0 47	4 16	1 41	26 25	10 58	14 57	15 17	17 6	8 7	5 57
W 3	7 51	7 10	4 58	14 37	1 30	9 54	0 16	24 3	0 37	23 15	0 16	14 26	1 54	4 9	0 47	4 17	1 41	26 25	10 58	14 56	15 16	17 5	8 9	5 56
T 4	8 13	2 32	4 24	15 23	1 40	9 38	0 10	24 4	0 39	23 15	0 16	14 27	1 54	4 10	0 47	4 17	1 41	26 25	10 57	14 55	15 15	17 3	8 10	5 55
F 5	8 35	2s11	3 34	16 6	1 49	9 21	0 5	24 5	0 41	23 15	0 16	14 27	1 54	4 11	0 47	4 18	1 41	26 25	10 57	14 54	15 14	17 2	8 11	5 55
S 6	8 57	6 44	2 33	16 47	1 58	9 4	0s 1	24 6	0 44	23 15	0 16	14 28	1 54	4 11	0 47	4 19	1 41	26 25	10 57	14 54	15 13	17 1	8 12	5 54
S 7	9 19	10 51	1 25	17 26	2 6	8 46	0 6	24 6	0 46	23 15	0 16	14 28	1 54	4 12	0 47	4 20	1 41	26 25	10 57	14 53	15 12	16 59	8 13	5 53
M 8	9 40	14 21	0 13	18 3	2 13	8 28	0 12	24 7	0 48	23 15	0 16	14 29	1 54	4 13	0 47	4 21	1 41	26 25	10 57	14 53	15 11	16 58	8 14	5 52
T 9	10 2	17 3	0n58	18 36	2 19	8 10	0 17	24 8	0 50	23 15	0 16	14 29	1 54	4 14	0 47	4 22	1 41	26 25	10 56	14 53	15 10	16 57	8 15	5 51
W10	10 23	18 51	2 5	19 7	2 25	7 51	0 22	24 8	0 52	23 15	0 16	14 29	1 54	4 14	0 47	4 23	1 41	26 24	10 56	14 53	15 9	16 55	8 16	5 51
T 11	10 44	19 42	3 4	19 36	2 30	7 32	0 27	24 9	0 55	23 15	0 16	14 30	1 54	4 15	0 47	4 23	1 41	26 24	10 56	14 54	15 8	16 54	8 17	5 50
F 12	11 5	19 37	3 55	20 2	2 34	7 13	0 32	24 9	0 57	23 15	0 16	14 30	1 53	4 16	0 47	4 24	1 41	26 24	10 56	14 54	15 7	16 53	8 17	5 49
S 13	11 25	18 38	4 34	20 25	2 38	6 53	0 37	24 10	1 0	23 15	0 16	14 30	1 53	4 17	0 47	4 25	1 42	26 24	10 55	14 54	15 6	16 51	8 18	5 48
S 14	11 46	16 50	5 1	20 46	2 40	6 33	0 41	24 10	1 2	23 16	0 15	14 30	1 53	4 17	0 47	4 26	1 42	26 24	10 55	14 55	15 5	16 50	8 19	5 48
M15	12 6	14 20	5 15	21 5	2 41	6 12	0 46	24 10	1 4	23 16	0 15	14 30	1 53	4 18	0 47	4 27	1 42	26 24	10 55	14 55	15 4	16 49	8 20	5 47
T 16	12 26	11 14	5 15	21 20	2 42	5 52	0 50	24 11	1 7	23 16	0 15	14 30	1 53	4 19	0 47	4 28	1 42	26 24	10 55	14 55	15 3	16 47	8 20	5 46
W17	12 46	7 38	5 2	21 34	2 41	5 31	0 55	24 11	1 10	23 16	0 15	14 30	1 53	4 19	0 47	4 28	1 42	26 23	10 54	14 54	15 2	16 46	8 21	5 45
T 18	13 6	3 39	4 35	21 44	2 39	5 9	0 59	24 12	1 12	23 16	0 15	14 31	1 53	4 20	0 47	4 29	1 42	26 23	10 54	14 54	15 1	16 45	8 22	5 45
F 19	13 25	0n35	3 54	21 53	2 37	4 48	1 3	24 12	1 15	23 16	0 15	14 31	1 53	4 21	0 47	4 30	1 42	26 23	10 54	14 54	15 0	16 43	8 22	5 44
S 20	13 45	4 54	3 1	21 59	2 33	4 26	1 7	24 12	1 18	23 16	0 15	14 30	1 53	4 21	0 47	4 31	1 42	26 23	10 54	14 54	14 59	16 42	8 23	5 43
S 21	14 4	9 6	1 56	22 2	2 28	4 4	1 10	24 13	1 20	23 16	0 15	14 30	1 52	4 22	0 47	4 32	1 42	26 22	10 54	14 54	14 58	16 41	8 24	5 42
M22	14 22	12 56	0 44	22 4	2 22	3 42	1 14	24 13	1 23	23 16	0 15	14 30	1 52	4 22	0 47	4 32	1 42	26 22	10 53	14 54	14 57	16 39	8 24	5 41
T 23	14 41	16 10	0s33	22 3	2 15	3 19	1 18	24 13	1 26	23 17	0 15	14 30	1 52	4 23	0 47	4 33	1 42	26 22	10 53	14 54	14 56	16 38	8 25	5 41
W24	14 59	18 28	1 49	21 59	2 7	2 57	1 21	24 14	1 29	23 17	0 15	14 30	1 52	4 23	0 47	4 34	1 42	26 22	10 53	14 54	14 55	16 36	8 25	5 40
T 25	15 17	19 39	2 59	21 54	1 57	2 34	1 24	24 14	1 32	23 17	0 15	14 30	1 52	4 24	0 47	4 35	1 42	26 21	10 53	14 54	14 54	16 35	8 25	5 39
F 26	15 35	19 34	3 58	21 46	1 47	2 10	1 27	24 14	1 35	23 17	0 14	14 29	1 52	4 24	0 47	4 36	1 42	26 21	10 52	14 54	14 53	16 34	8 26	5 38
S 27	15 53	18 12	4 43	21 36	1 36	1 47	1 31	24 15	1 38	23 17	0 14	14 29	1 52	4 25	0 47	4 36	1 42	26 21	10 52	14 54	14 52	16 32	8 26	5 37
S 28	16 10	15 42	5 9	21 24	1 23	1 24	1 33	24 15	1 41	23 17	0 14	14 29	1 51	4 25	0 47	4 37	1 42	26 21	10 52	14 53	14 51	16 31	8 26	5 37
M29	16 27	12 15	5 17	21 10	1 10	1 0	1 36	24 16	1 44	23 17	0 14	14 28	1 51	4 26	0 47	4 38	1 42	26 20	10 52	14 53	14 50	16 30	8 27	5 36
T 30	16n44	8n10	5s 5	20n55	0n56	0s36	1s39	24s16	1s47	23s17	0n14	14n28	1n51	4n26	0n47	4n39	1s42	26n20	10n51	14s53	14s49	16s28	8n27	5s35

Julian Day Number = 2164196.5, Delta T = 12m55s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'11, Lahiri = 12°53'11 Julian Calendar 1 Apr. 1213 == Greg. Calendar 8 Apr. 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

MAY 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 3 5	17♉ 6'09	9♍49	28°R42	3♈23	16♑55	1°R54	26♌33	20°R38	15♈45	16♌19	10♏ 3	9♏46	24♑22	23♌35	W 1
T 2	15 7 1	18° 3'49	23°34	28♉25	4°29	17°15	1♑51	26°34	20♍37	15°47	16°19	10° 4	9°43	24°29	23°37	T 2
F 3	15 10 58	19° 1'27	7♎ 7	28° 4	5°36	17°35	1°47	26°35	20°36	15°49	16°19	10° 5	9°40	24°36	23°39	F 3
S 4	15 14 54	19°59'04	20°26	27°40	6°42	17°54	1°43	26°36	20°35	15°51	16°20	10° 5	9°37	24°43	23°41	S 4
S 5	15 18 51	20°56'39	3♏31	27°13	7°49	18°13	1°39	26°38	20°34	15°53	16°20	10° 6	9°34	24°49	23°43	S 5
M 6	15 22 48	21°54'13	16°24	26°43	8°56	18°31	1°35	26°39	20°33	15°55	16°21	10°R 6	9°30	24°56	23°45	M 6
T 7	15 26 44	22°51'46	29° 2	26°12	10° 3	18°49	1°31	26°41	20°32	15°57	16°21	10° 5	9°27	25° 3	23°47	T 7
W 8	15 30 41	23°49'17	11♐29	25°39	11°10	19° 6	1°26	26°42	20°32	15°58	16°22	10° 4	9°24	25° 9	23°50	W 8
T 9	15 34 37	24°46'48	23°44	25° 5	12°17	19°23	1°21	26°44	20°31	16° 0	16°22	10° 2	9°21	25°16	23°52	T 9
F 10	15 38 34	25°44'17	5♑49	24°31	13°24	19°39	1°17	26°46	20°30	16° 2	16°23	10° 0	9°18	25°23	23°55	F 10
S 11	15 42 30	26°41'46	17°47	23°58	14°32	19°55	1°12	26°48	20°30	16° 4	16°23	9°57	9°14	25°30	23°58	S 11
S 12	15 46 27	27°39'14	29°40	23°25	15°39	20°10	1° 7	26°50	20°29	16° 6	16°24	9°55	9°11	25°36	24° 1	S 12
M13	15 50 23	28°36'41	11♒33	22°54	16°47	20°24	1° 1	26°52	20°29	16° 8	16°24	9°53	9° 8	25°43	24° 3	M13
T 14	15 54 20	29°34'07	23°30	22°25	17°55	20°38	0°56	26°54	20°28	16° 9	16°25	9°53	9° 5	25°50	24° 7	T 14
W15	15 58 17	0♊31'32	5♓34	21°58	19° 3	20°52	0°50	26°57	20°28	16°11	16°26	9°D53	9° 2	25°56	24°10	W15
T 16	16 2 13	1°28'57	17°51	21°35	20°11	21° 5	0°45	26°59	20°27	16°13	16°26	9°53	8°59	26° 3	24°13	T 16
F 17	16 6 10	2°26'21	0♈25	21°14	21°19	21°17	0°39	27° 2	20°27	16°15	16°27	9°55	8°55	26°10	24°16	F 17
S 18	16 10 6	3°23'44	13°20	20°58	22°27	21°29	0°33	27° 4	20°27	16°16	16°28	9°56	8°52	26°17	24°20	S 18
S 19	16 14 3	4°21'07	26°38	20°45	23°35	21°40	0°27	27° 7	20°27	16°18	16°29	9°57	8°49	26°23	24°23	S 19
M20	16 17 59	5°18'29	10♉21	20°36	24°44	21°50	0°21	27°10	20°27	16°20	16°29	9°R58	8°46	26°30	24°27	M20
T 21	16 21 56	6°15'50	24°27	20°D32	25°52	22° 0	0°14	27°13	20°27	16°21	16°30	9°57	8°43	26°37	24°31	T 21
W22	16 25 52	7°13'11	8♊54	20°32	27° 1	22° 9	0° 8	27°16	20°D27	16°23	16°31	9°55	8°40	26°44	24°35	W22
T 23	16 29 49	8°10'31	23°37	20°37	28° 9	22°18	0° 1	27°19	20°27	16°24	16°32	9°52	8°36	26°50	24°39	T 23
F 24	16 33 46	9° 7'50	8♋27	20°46	29°18	22°25	29♐55	27°22	20°27	16°26	16°33	9°48	8°33	26°57	24°43	F 24
S 25	16 37 42	10° 5'09	23°16	20°59	0♌27	22°32	29°48	27°25	20°27	16°27	16°34	9°44	8°30	27° 4	24°47	S 25
S 26	16 41 39	11° 2'26	7♌58	21°17	1°36	22°39	29°41	27°29	20°27	16°29	16°35	9°41	8°27	27°10	24°51	S 26
M27	16 45 35	11°59'43	22°27	21°40	2°45	22°44	29°34	27°32	20°27	16°30	16°36	9°38	8°24	27°17	24°55	M27
T 28	16 49 32	12°56'58	6♍38	22° 7	3°54	22°49	29°27	27°36	20°28	16°32	16°37	9°D37	8°20	27°24	25° 0	T 28
W29	16 53 28	13°54'13	20°30	22°39	5° 3	22°54	29°20	27°39	20°28	16°33	16°38	9°37	8°17	27°31	25° 4	W29
T 30	16 57 25	14°51'27	4♎ 2	23°14	6°12	22°57	29°13	27°43	20°29	16°35	16°39	9°38	8°14	27°37	25° 9	T 30
F 31	17 1 21	15♊48'40	17♎17	23♌54	7♌22	23♑ 0	29♐ 6	27♌47	20♍29	16♈36	16♌40	9♏39	8♏11	27♑44	25♌13	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 1	3n40	4s35	20n37	0n41	0s12	1s42	24s17	1s50	23s18	0n14	14n27	1n51	4n26	0n47	4n39	1s42	26n20	10n51	14s54	14s48	16s27	8n27	5s34
T 2	17 17	0s57	3 50	20 18	0 25	0n12	1 44	24 18	1 53	23 18	0 14	14 27	1 51	4 27	0 46	4 40	1 42	26 19	10 51	14 54	14 47	16 25	8 27	5 34
F 3	17 33	5 28	2 53	19 57	0 9	0 36	1 46	24 18	1 57	23 18	0 14	14 26	1 51	4 27	0 46	4 41	1 42	26 19	10 51	14 54	14 46	16 24	8 27	5 33
S 4	17 49	9 40	1 47	19 35	0s 8	1 1	1 49	24 19	2 0	23 18	0 14	14 26	1 51	4 28	0 46	4 42	1 42	26 19	10 50	14 54	14 45	16 23	8 27	5 32
S 5	18 4	13 19	0 36	19 13	0 25	1 25	1 51	24 20	2 4	23 18	0 14	14 25	1 51	4 28	0 46	4 42	1 42	26 18	10 50	14 54	14 44	16 21	8 28	5 31
M 6	18 19	16 15	0n35	18 49	0 43	1 50	1 53	24 21	2 7	23 18	0 13	14 25	1 50	4 28	0 46	4 43	1 42	26 18	10 50	14 54	14 43	16 20	8 28	5 30
T 7	18 34	18 21	1 43	18 24	1 0	2 14	1 55	24 22	2 10	23 19	0 13	14 24	1 50	4 28	0 46	4 44	1 42	26 18	10 50	14 54	14 42	16 18	8 27	5 30
W 8	18 48	19 32	2 45	18 0	1 17	2 39	1 56	24 23	2 14	23 19	0 13	14 23	1 50	4 29	0 46	4 44	1 42	26 17	10 49	14 54	14 41	16 17	8 27	5 29
T 9	19 3	19 45	3 38	17 35	1 35	3 4	1 58	24 24	2 18	23 19	0 13	14 23	1 50	4 29	0 46	4 45	1 42	26 17	10 49	14 53	14 40	16 16	8 27	5 28
F 10	19 16	19 4	4 21	17 11	1 51	3 29	2 0	24 25	2 21	23 19	0 13	14 22	1 50	4 29	0 46	4 46	1 42	26 16	10 49	14 52	14 39	16 14	8 27	5 27
S 11	19 30	17 32	4 52	16 47	2 7	3 54	2 1	24 27	2 25	23 19	0 13	14 21	1 50	4 29	0 46	4 46	1 42	26 16	10 49	14 52	14 38	16 13	8 27	5 27
S 12	19 43	15 15	5 10	16 24	2 23	4 18	2 2	24 28	2 29	23 19	0 13	14 20	1 50	4 29	0 46	4 47	1 42	26 16	10 48	14 51	14 37	16 11	8 27	5 26
M13	19 56	12 20	5 15	16 2	2 37	4 43	2 4	24 30	2 33	23 19	0 13	14 19	1 50	4 30	0 46	4 48	1 42	26 15	10 48	14 50	14 36	16 10	8 27	5 25
T 14	20 9	8 55	5 6	15 42	2 51	5 8	2 5	24 31	2 36	23 20	0 13	14 18	1 49	4 30	0 46	4 48	1 42	26 15	10 48	14 50	14 35	16 9	8 26	5 24
W15	20 21	5 6	4 44	15 23	3 4	5 33	2 6	24 33	2 40	23 20	0 12	14 18	1 49	4 30	0 46	4 49	1 42	26 14	10 48	14 50	14 34	16 7	8 26	5 24
T 16	20 33	1 0	4 9	15 6	3 15	5 58	2 7	24 35	2 44	23 20	0 12	14 17	1 49	4 30	0 46	4 50	1 43	26 14	10 47	14 50	14 33	16 6	8 26	5 23
F 17	20 44	3n14	3 21	14 50	3 25	6 23	2 7	24 37	2 48	23 20	0 12	14 16	1 49	4 30	0 46	4 50	1 43	26 13	10 47	14 51	14 32	16 4	8 25	5 22
S 18	20 55	7 27	2 21	14 37	3 34	6 48	2 8	24 39	2 52	23 20	0 12	14 15	1 49	4 30	0 46	4 51	1 43	26 13	10 47	14 51	14 31	16 3	8 25	5 21
S 19	21 6	11 26	1 13	14 26	3 42	7 12	2 9	24 41	2 57	23 20	0 12	14 13	1 49	4 30	0 46	4 51	1 43	26 12	10 47	14 52	14 30	16 2	8 24	5 21
M20	21 17	14 57	0s 2	14 18	3 49	7 37	2 9	24 44	3 1	23 21	0 12	14 12	1 49	4 30	0 46	4 52	1 43	26 12	10 47	14 52	14 29	16 0	8 24	5 20
T 21	21 27	17 41	1 19	14 11	3 54	8 2	2 9	24 46	3 5	23 21	0 12	14 11	1 49	4 30	0 46	4 53	1 43	26 12	10 46	14 52	14 28	15 59	8 23	5 19
W22	21 36	19 22	2 32	14 7	3 59	8 26	2 10	24 49	3 9	23 21	0 12	14 10	1 48	4 30	0 46	4 53	1 43	26 11	10 46	14 51	14 27	15 57	8 23	5 18
T 23	21 46	19 47	3 37	14 6	4 1	8 50	2 10	24 52	3 13	23 21	0 11	14 9	1 48	4 30	0 46	4 54	1 43	26 11	10 46	14 50	14 26	15 56	8 22	5 18
F 24	21 55	18 50	4 27	14 6	4 3	9 15	2 10	24 55	3 18	23 21	0 11	14 8	1 48	4 30	0 46	4 54	1 43	26 10	10 46	14 49	14 25	15 54	8 21	5 17
S 25	22 3	16 36	5 0	14 9	4 4	9 39	2 10	24 58	3 22	23 21	0 11	14 6	1 48	4 30	0 46	4 55	1 43	26 10	10 45	14 48	14 24	15 53	8 21	5 16
S 26	22 12	13 19	5 12	14 14	4 4	10 3	2 10	25 1	3 27	23 21	0 11	14 5	1 48	4 30	0 45	4 55	1 43	26 9	10 45	14 46	14 23	15 52	8 20	5 16
M27	22 19	9 17	5 5	14 21	4 2	10 27	2 10	25 5	3 31	23 21	0 11	14 4	1 48	4 30	0 45	4 56	1 43	26 9	10 45	14 45	14 22	15 50	8 19	5 15
T 28	22 27	4 48	4 38	14 31	4 0	10 51	2 9	25 8	3 35	23 21	0 11	14 3	1 48	4 29	0 45	4 56	1 43	26 8	10 45	14 45	14 21	15 49	8 18	5 14
W29	22 34	0 10	3 56	14 42	3 57	11 14	2 9	25 12	3 40	23 22	0 11	14 1	1 48	4 29	0 45	4 57	1 43	26 7	10 45	14 45	14 20	15 47	8 18	5 14
T 30	22 41	4s24	3 2	14 55	3 52	11 37	2 8	25 16	3 45	23 22	0 11	14 0	1 47	4 29	0 45	4 57	1 43	26 7	10 44	14 45	14 19	15 46	8 17	5 13
F 31	22n47	8s39	1s59	15n 9	3s47	12n 1	2s 8	25s20	3s49	23s22	0n10	13n58	1n47	4n29	0n45	4n58	1s43	26n 6	10n44	14s46	14s18	15s44	8n16	5s12

Julian Day Number = 2164226.5, Delta T = 12m54s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'15, Lahiri = 12°53'16 Julian Calendar 1 May 1213 == Greg. Calendar 8 May 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

JUNE 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 18	16♊45'52	0♏16	24♉39	8♉31	23♉ 2	28°R59	27♌51	20♍30	16♈37	16♌41	9♏40	8♏ 8	27♉51	25♌18	S 1
S 2	17 9 15	17°43'04	13° 1	25°27	9°40	23° 3	28♐51	27°55	20°30	16°39	16°42	9°R41	8° 5	27°57	25°23	S 2
M 3	17 13 11	18°40'15	25°34	26°20	10°50	23°R 4	28°44	27°59	20°31	16°40	16°44	9°39	8° 1	28° 4	25°28	M 3
T 4	17 17 8	19°37'26	7♐56	27°16	12° 0	23° 4	28°36	28° 3	20°31	16°41	16°45	9°36	7°58	28°11	25°33	T 4
W 5	17 21 4	20°34'37	20°10	28°17	13° 9	23° 3	28°29	28° 7	20°32	16°42	16°46	9°31	7°55	28°18	25°38	W 5
T 6	17 25 1	21°31'47	2♑16	29°21	14°19	23° 1	28°21	28°12	20°33	16°44	16°47	9°25	7°52	28°24	25°43	T 6
F 7	17 28 57	22°28'57	14°15	0♊29	15°29	22°59	28°14	28°16	20°34	16°45	16°48	9°17	7°49	28°31	25°49	F 7
S 8	17 32 54	23°26'06	26°10	1°41	16°39	22°56	28° 6	28°20	20°35	16°46	16°50	9° 9	7°46	28°38	25°54	S 8
S 9	17 36 50	24°23'16	8♒ 3	2°57	17°49	22°52	27°58	28°25	20°36	16°47	16°51	9° 2	7°42	28°45	25°59	S 9
M10	17 40 47	25°20'26	19°55	4°16	18°59	22°47	27°51	28°30	20°37	16°48	16°52	8°55	7°39	28°51	26° 5	M10
T 11	17 44 44	26°17'35	1♓51	5°39	20° 9	22°42	27°43	28°34	20°38	16°49	16°54	8°50	7°36	28°58	26°10	T 11
W12	17 48 40	27°14'45	13°54	7° 6	21°19	22°36	27°35	28°39	20°39	16°50	16°55	8°47	7°33	29° 5	26°16	W12
T 13	17 52 37	28°11'55	26° 8	8°36	22°29	22°29	27°28	28°44	20°40	16°51	16°56	8°D46	7°30	29°11	26°22	T 13
F 14	17 56 33	29° 9'05	8♈39	10° 9	23°39	22°21	27°20	28°49	20°41	16°52	16°58	8°47	7°26	29°18	26°27	F 14
S 15	18 0 30	0♋ 6'16	21°30	11°46	24°50	22°13	27°12	28°54	20°42	16°53	16°59	8°48	7°23	29°25	26°33	S 15
S 16	18 4 26	1° 3'26	4♉46	13°27	26° 0	22° 4	27° 5	28°59	20°44	16°54	17° 1	8°R48	7°20	29°32	26°39	S 16
M17	18 8 23	2° 0'38	18°29	15°10	27°11	21°54	26°57	29° 4	20°45	16°55	17° 2	8°48	7°17	29°38	26°45	M17
T 18	18 12 19	2°57'49	2♊41	16°57	28°21	21°44	26°49	29° 9	20°46	16°56	17° 4	8°46	7°14	29°45	26°51	T 18
W19	18 16 16	3°55'01	17°18	18°47	29°32	21°33	26°42	29°14	20°48	16°57	17° 5	8°41	7°11	29°52	26°58	W19
T 20	18 20 13	4°52'13	2♋15	20°40	0♊43	21°21	26°34	29°20	20°49	16°57	17° 7	8°35	7° 7	29°58	27° 4	T 20
F 21	18 24 9	5°49'25	17°25	22°35	1°53	21° 9	26°27	29°25	20°51	16°58	17° 8	8°27	7° 4	0♒ 5	27°10	F 21
S 22	18 28 6	6°46'38	2♌35	24°33	3° 4	20°56	26°19	29°30	20°52	16°59	17°10	8°18	7° 1	0°12	27°16	S 22
S 23	18 32 2	7°43'50	17°37	26°34	4°15	20°43	26°12	29°36	20°54	17° 0	17°11	8°10	6°58	0°19	27°23	S 23
M24	18 35 59	8°41'02	2♍22	28°36	5°26	20°29	26° 4	29°42	20°56	17° 0	17°13	8° 4	6°55	0°25	27°29	M24
T 25	18 39 55	9°38'15	16°44	0♋40	6°37	20°15	25°57	29°47	20°58	17° 1	17°15	8° 0	6°52	0°32	27°36	T 25
W26	18 43 52	10°35'27	0♎40	2°46	7°48	20° 0	25°50	29°53	20°59	17° 1	17°16	7°58	6°48	0°39	27°42	W26
T 27	18 47 49	11°32'40	14°10	4°52	8°59	19°46	25°43	29°59	21° 1	17° 2	17°18	7°D57	6°45	0°46	27°49	T 27
F 28	18 51 45	12°29'53	27°18	7° 0	10°10	19°30	25°36	0♍ 5	21° 3	17° 3	17°19	7°58	6°42	0°52	27°56	F 28
S 29	18 55 42	13°27'06	10♏ 6	9° 8	11°21	19°15	25°29	0°10	21° 5	17° 3	17°21	7°R58	6°39	0°59	28° 3	S 29
S 30	18 59 38	14♋24'19	22♏38	11♋16	12♊33	18♉59	25♐22	0♍16	21♍ 7	17♈ 4	17♌23	7♏57	6♏36	1♒ 6	28♌10	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	12s25	0s51	15n26	3s41	12n24	2s 7	25s24	3s54	23s22	0n10	13n57	1n47	4n28	0n45	4n58	1s43	26n 6	10n44	14s46	14s17	15s43	8n15	5s11
S 2	22 58	15 31	0n18	15 44	3 35	12 46	2 6	25 28	3 58	23 22	0 10	13 55	1 47	4 28	0 45	4 59	1 43	26 5	10 44	14 46	14 16	15 41	8 14	5 11
M 3	23 3	17 51	1 25	16 3	3 27	13 9	2 6	25 33	4 3	23 22	0 10	13 54	1 47	4 28	0 45	4 59	1 43	26 5	10 44	14 46	14 14	15 40	8 13	5 10
T 4	23 8	19 18	2 27	16 24	3 19	13 31	2 5	25 37	4 7	23 22	0 10	13 52	1 47	4 28	0 45	5 0	1 43	26 4	10 43	14 45	14 13	15 39	8 12	5 9
W 5	23 12	19 49	3 22	16 45	3 11	13 53	2 4	25 42	4 12	23 22	0 10	13 51	1 47	4 27	0 45	5 0	1 44	26 4	10 43	14 43	14 12	15 37	8 11	5 9
T 6	23 16	19 25	4 6	17 8	3 2	14 15	2 3	25 47	4 17	23 22	0 10	13 49	1 47	4 27	0 45	5 0	1 44	26 3	10 43	14 41	14 11	15 36	8 10	5 8
F 7	23 19	18 9	4 39	17 32	2 52	14 36	2 1	25 52	4 21	23 22	0 9	13 47	1 47	4 27	0 45	5 1	1 44	26 2	10 43	14 39	14 10	15 34	8 9	5 8
S 8	23 23	16 5	5 0	17 56	2 42	14 58	2 0	25 57	4 26	23 22	0 9	13 46	1 47	4 26	0 45	5 1	1 44	26 2	10 43	14 36	14 9	15 33	8 7	5 7
S 9	23 25	13 22	5 8	18 22	2 31	15 19	1 59	26 2	4 31	23 22	0 9	13 44	1 46	4 26	0 45	5 2	1 44	26 1	10 42	14 34	14 8	15 31	8 6	5 6
M10	23 27	10 7	5 2	18 47	2 20	15 39	1 58	26 8	4 35	23 22	0 9	13 42	1 46	4 25	0 45	5 2	1 44	26 1	10 42	14 32	14 7	15 30	8 5	5 6
T 11	23 29	6 27	4 44	19 13	2 9	15 59	1 56	26 13	4 40	23 22	0 9	13 41	1 46	4 25	0 45	5 2	1 44	26 0	10 42	14 30	14 6	15 28	8 4	5 5
W12	23 31	2 29	4 12	19 39	1 57	16 19	1 55	26 19	4 44	23 22	0 9	13 39	1 46	4 24	0 45	5 3	1 44	26 0	10 42	14 29	14 5	15 27	8 2	5 4
T 13	23 32	1n39	3 29	20 6	1 45	16 39	1 53	26 24	4 49	23 22	0 9	13 37	1 46	4 24	0 45	5 3	1 44	25 59	10 42	14 29	14 4	15 25	8 1	5 4
F 14	23 32	5 49	2 35	20 32	1 33	16 58	1 51	26 30	4 53	23 22	0 8	13 35	1 46	4 23	0 45	5 3	1 44	25 58	10 42	14 29	14 3	15 24	8 0	5 3
S 15	23 32	9 50	1 32	20 57	1 21	17 17	1 50	26 36	4 58	23 22	0 8	13 34	1 46	4 23	0 45	5 4	1 44	25 58	10 41	14 29	14 2	15 22	7 58	5 3
S 16	23 32	13 30	0 22	21 22	1 9	17 35	1 48	26 42	5 2	23 22	0 8	13 32	1 46	4 22	0 45	5 4	1 44	25 57	10 41	14 30	14 1	15 21	7 57	5 2
M17	23 31	16 34	0s52	21 47	0 56	17 53	1 46	26 47	5 7	23 22	0 8	13 30	1 46	4 22	0 45	5 4	1 44	25 57	10 41	14 30	14 0	15 19	7 55	5 1
T 18	23 30	18 45	2 4	22 10	0 44	18 11	1 44	26 53	5 11	23 22	0 8	13 28	1 46	4 21	0 44	5 4	1 44	25 56	10 41	14 29	13 59	15 18	7 54	5 1
W19	23 29	19 46	3 11	22 32	0 32	18 28	1 42	26 59	5 15	23 22	0 8	13 26	1 45	4 21	0 44	5 5	1 44	25 55	10 41	14 27	13 58	15 16	7 52	5 0
T 20	23 27	19 25	4 6	22 53	0 20	18 45	1 40	27 5	5 19	23 22	0 8	13 24	1 45	4 20	0 44	5 5	1 44	25 55	10 41	14 25	13 57	15 15	7 51	5 0
F 21	23 25	17 42	4 45	23 12	0 8	19 2	1 38	27 11	5 23	23 22	0 7	13 22	1 45	4 19	0 44	5 5	1 44	25 54	10 41	14 23	13 56	15 13	7 49	4 59
S 22	23 22	14 44	5 3	23 29	0n 4	19 17	1 36	27 17	5 27	23 22	0 7	13 20	1 45	4 19	0 44	5 5	1 45	25 53	10 40	14 20	13 55	15 12	7 48	4 59
S 23	23 19	10 51	5 1	23 45	0 15	19 33	1 34	27 23	5 31	23 22	0 7	13 18	1 45	4 18	0 44	5 6	1 45	25 53	10 40	14 17	13 54	15 10	7 46	4 58
M24	23 15	6 21	4 38	23 58	0 26	19 48	1 31	27 29	5 35	23 22	0 7	13 16	1 45	4 17	0 44	5 6	1 45	25 52	10 40	14 15	13 53	15 9	7 44	4 57
T 25	23 11	1 36	3 58	24 8	0 36	20 2	1 29	27 35	5 38	23 22	0 7	13 14	1 45	4 16	0 44	5 6	1 45	25 52	10 40	14 14	13 52	15 7	7 43	4 57
W26	23 7	3s 6	3 5	24 16	0 46	20 16	1 27	27 40	5 42	23 22	0 7	13 12	1 45	4 16	0 44	5 6	1 45	25 51	10 40	14 13	13 51	15 6	7 41	4 56
T 27	23 2	7 30	2 3	24 22	0 55	20 30	1 24	27 46	5 45	23 22	0 7	13 10	1 45	4 15	0 44	5 6	1 45	25 50	10 40	14 13	13 50	15 4	7 39	4 56
F 28	22 57	11 26	0 57	24 24	1 3	20 43	1 22	27 51	5 48	23 22	0 6	13 8	1 45	4 14	0 44	5 6	1 45	25 50	10 40	14 13	13 48	15 3	7 37	4 55
S 29	22 51	14 44	0n11	24 24	1 11	20 55	1 20	27 57	5 51	23 21	0 6	13 5	1 45	4 13	0 44	5 7	1 45	25 49	10 40	14 13	13 47	15 1	7 35	4 55
S 30	22n45	17s16	1n17	24n21	1n18	21n 7	1s17	28s 2	5s54	23s21	0n 6	13n 3	1n45	4n13	0n44	5n 7	1s45	25n48	10n40	14s13	13s46	15s 0	7n34	4s54

Julian Day Number = 2164257.5, Delta T = 12m54s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'19, Lahiri = 12°53'20 Julian Calendar 1 June 1213 == Greg. Calendar 8 June 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

JULY 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 3 35	15♋21'32	4♐57	13♋24	13♊44	18°R43	25°R15	0♍22	21♍ 9	17♈ 4	17♌25	7°R54	6♏32	1♒12	28♌16	M 1
T 2	19 7 31	16°18'46	17° 7	15°32	14°55	18♑27	25♐ 8	0°28	21°11	17° 4	17°26	7♏48	6°29	1°19	28°23	T 2
W 3	19 11 28	17°16'00	29°10	17°40	16° 7	18°10	25° 1	0°34	21°13	17° 5	17°28	7°40	6°26	1°26	28°30	W 3
T 4	19 15 24	18°13'15	11♑ 8	19°46	17°18	17°54	24°55	0°41	21°15	17° 5	17°30	7°29	6°23	1°33	28°37	T 4
F 5	19 19 21	19°10'31	23° 3	21°52	18°30	17°37	24°48	0°47	21°17	17° 5	17°31	7°17	6°20	1°39	28°45	F 5
S 6	19 23 18	20° 7'47	4♒56	23°57	19°41	17°21	24°42	0°53	21°20	17° 6	17°33	7° 4	6°17	1°46	28°52	S 6
S 7	19 27 14	21° 5'04	16°48	26° 0	20°53	17° 4	24°36	0°59	21°22	17° 6	17°35	6°51	6°13	1°53	28°59	S 7
M 8	19 31 11	22° 2'21	28°42	28° 2	22° 4	16°48	24°30	1° 6	21°24	17° 6	17°37	6°40	6°10	2° 0	29° 6	M 8
T 9	19 35 7	22°59'40	10♓40	0♌ 3	23°16	16°32	24°24	1°12	21°27	17° 6	17°39	6°32	6° 7	2° 6	29°14	T 9
W10	19 39 4	23°56'59	22°44	2° 2	24°28	16°16	24°18	1°19	21°29	17° 6	17°40	6°25	6° 4	2°13	29°21	W10
T 11	19 43 0	24°54'20	4♈58	4° 0	25°40	16° 0	24°12	1°25	21°31	17° 7	17°42	6°22	6° 1	2°20	29°28	T 11
F 12	19 46 57	25°51'41	17°26	5°56	26°52	15°45	24° 7	1°32	21°34	17° 7	17°44	6°20	5°57	2°26	29°36	F 12
S 13	19 50 53	26°49'04	0♉14	7°50	28° 4	15°29	24° 1	1°38	21°36	17° 7	17°46	6°20	5°54	2°33	29°43	S 13
S 14	19 54 50	27°46'28	13°24	9°43	29°16	15°14	23°56	1°45	21°39	17°R 7	17°48	6°20	5°51	2°40	29°51	S 14
M15	19 58 47	28°43'54	27° 1	11°35	0♋28	15° 0	23°51	1°52	21°42	17° 7	17°50	6°19	5°48	2°47	29°58	M15
T 16	20 2 43	29°41'20	11♊ 7	13°24	1°40	14°46	23°46	1°58	21°44	17° 7	17°52	6°16	5°45	2°53	0♍ 6	T 16
W17	20 6 40	0♌38'48	25°41	15°12	2°52	14°32	23°41	2° 5	21°47	17° 7	17°53	6°10	5°42	3° 0	0°14	W17
T 18	20 10 36	1°36'17	10♋39	16°59	4° 5	14°19	23°37	2°12	21°50	17° 6	17°55	6° 2	5°38	3° 7	0°22	T 18
F 19	20 14 33	2°33'48	25°53	18°44	5°17	14° 7	23°32	2°19	21°52	17° 6	17°57	5°52	5°35	3°13	0°29	F 19
S 20	20 18 29	3°31'19	11♌13	20°27	6°29	13°55	23°28	2°25	21°55	17° 6	17°59	5°41	5°32	3°20	0°37	S 20
S 21	20 22 26	4°28'51	26°27	22° 9	7°42	13°44	23°23	2°32	21°58	17° 6	18° 1	5°31	5°29	3°27	0°45	S 21
M22	20 26 22	5°26'25	11♍24	23°49	8°54	13°33	23°19	2°39	22° 1	17° 6	18° 3	5°22	5°26	3°34	0°53	M22
T 23	20 30 19	6°23'59	25°57	25°28	10° 7	13°23	23°16	2°46	22° 4	17° 5	18° 5	5°16	5°23	3°40	1° 1	T 23
W24	20 34 16	7°21'34	10♎ 1	27° 5	11°19	13°14	23°12	2°53	22° 7	17° 5	18° 7	5°12	5°19	3°47	1° 9	W24
T 25	20 38 12	8°19'10	23°37	28°41	12°32	13° 5	23° 8	3° 0	22°10	17° 5	18° 9	5°11	5°16	3°54	1°17	T 25
F 26	20 42 9	9°16'47	6♏46	0♍15	13°44	12°57	23° 5	3° 7	22°13	17° 4	18°11	5°11	5°13	4° 1	1°25	F 26
S 27	20 46 5	10°14'26	19°32	1°47	14°57	12°50	23° 2	3°14	22°16	17° 4	18°13	5°10	5°10	4° 7	1°33	S 27
S 28	20 50 2	11°12'05	1♐59	3°18	16°10	12°44	22°59	3°22	22°19	17° 3	18°15	5° 9	5° 7	4°14	1°41	S 28
M29	20 53 58	12° 9'45	14°12	4°48	17°23	12°39	22°56	3°29	22°22	17° 3	18°17	5° 6	5° 3	4°21	1°49	M29
T 30	20 57 55	13° 7'27	26°15	6°15	18°36	12°34	22°53	3°36	22°25	17° 2	18°19	5° 0	5° 0	4°27	1°57	T 30
W31	21 1 51	14♌ 5'09	8♑12	7♍42	19♋48	12♑30	22♐51	3♍43	22♍28	17♈ 2	18♌20	4♏51	4♏57	4♒34	2♍ 5	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n39	18s57	2n18	24n16	1n25	21n19	1s15	28s 7	5s57	23s21	0n 6	13n 1	1n45	4n12	0n44	5n 7	1s45	25n48	10n39	14s12	13s45	14s58	7n32	4s54
T 2	22 32	19 44	3 12	24 7	1 30	21 29	1 12	28 12	6 0	23 21	0 6	12 59	1 45	4 11	0 44	5 7	1 45	25 47	10 39	14 10	13 44	14 57	7 30	4 53
W 3	22 25	19 36	3 57	23 56	1 35	21 40	1 9	28 17	6 2	23 21	0 6	12 57	1 44	4 10	0 44	5 7	1 45	25 47	10 39	14 8	13 43	14 55	7 28	4 53
T 4	22 18	18 35	4 30	23 42	1 39	21 49	1 7	28 21	6 4	23 21	0 5	12 54	1 44	4 9	0 44	5 7	1 45	25 46	10 39	14 4	13 42	14 54	7 26	4 52
F 5	22 10	16 46	4 52	23 26	1 42	21 58	1 4	28 26	6 7	23 21	0 5	12 52	1 44	4 8	0 44	5 7	1 45	25 45	10 39	14 0	13 41	14 52	7 24	4 52
S 6	22 1	14 15	5 1	23 8	1 45	22 7	1 2	28 30	6 9	23 21	0 5	12 50	1 44	4 7	0 44	5 7	1 45	25 45	10 39	13 56	13 40	14 51	7 22	4 51
S 7	21 53	11 9	4 56	22 47	1 47	22 15	0 59	28 34	6 10	23 21	0 5	12 47	1 44	4 6	0 44	5 7	1 45	25 44	10 39	13 52	13 39	14 49	7 20	4 51
M 8	21 44	7 36	4 39	22 24	1 48	22 22	0 56	28 38	6 12	23 21	0 5	12 45	1 44	4 5	0 44	5 7	1 46	25 43	10 39	13 48	13 38	14 48	7 18	4 50
T 9	21 34	3 45	4 10	21 59	1 48	22 29	0 53	28 41	6 13	23 20	0 5	12 43	1 44	4 4	0 44	5 7	1 46	25 43	10 39	13 45	13 37	14 46	7 16	4 50
W10	21 24	0n18	3 29	21 32	1 48	22 35	0 51	28 44	6 15	23 20	0 5	12 40	1 44	4 4	0 44	5 7	1 46	25 42	10 39	13 43	13 36	14 45	7 13	4 50
T 11	21 14	4 24	2 38	21 4	1 47	22 40	0 48	28 47	6 16	23 20	0 4	12 38	1 44	4 3	0 44	5 7	1 46	25 41	10 39	13 42	13 35	14 43	7 11	4 49
F 12	21 4	8 23	1 38	20 34	1 46	22 45	0 45	28 50	6 17	23 20	0 4	12 36	1 44	4 1	0 44	5 7	1 46	25 41	10 39	13 41	13 34	14 42	7 9	4 49
S 13	20 53	12 6	0 32	20 3	1 44	22 49	0 42	28 53	6 17	23 20	0 4	12 33	1 44	4 0	0 44	5 7	1 46	25 40	10 39	13 41	13 33	14 40	7 7	4 48
S 14	20 42	15 20	0s37	19 31	1 41	22 53	0 39	28 55	6 18	23 20	0 4	12 31	1 44	3 59	0 43	5 7	1 46	25 40	10 39	13 41	13 32	14 38	7 5	4 48
M15	20 30	17 50	1 47	18 57	1 38	22 56	0 37	28 57	6 18	23 20	0 4	12 28	1 44	3 58	0 43	5 7	1 46	25 39	10 39	13 41	13 31	14 37	7 3	4 47
T 16	20 18	19 21	2 53	18 22	1 34	22 58	0 34	28 59	6 18	23 20	0 4	12 26	1 44	3 57	0 43	5 7	1 46	25 38	10 39	13 40	13 30	14 35	7 0	4 47
W17	20 6	19 39	3 49	17 47	1 30	23 0	0 31	29 1	6 18	23 20	0 4	12 23	1 44	3 56	0 43	5 7	1 46	25 38	10 39	13 38	13 28	14 34	6 58	4 47
T 18	19 53	18 36	4 32	17 10	1 26	23 0	0 28	29 2	6 18	23 20	0 3	12 21	1 44	3 55	0 43	5 7	1 46	25 37	10 39	13 35	13 27	14 32	6 56	4 46
F 19	19 40	16 13	4 56	16 33	1 21	23 1	0 25	29 3	6 18	23 20	0 3	12 19	1 44	3 54	0 43	5 7	1 46	25 36	10 39	13 32	13 26	14 31	6 53	4 46
S 20	19 27	12 41	4 59	15 55	1 15	23 0	0 22	29 4	6 18	23 20	0 3	12 16	1 44	3 53	0 43	5 7	1 46	25 36	10 39	13 28	13 25	14 29	6 51	4 45
S 21	19 13	8 21	4 41	15 17	1 9	22 59	0 20	29 4	6 17	23 19	0 3	12 13	1 44	3 52	0 43	5 6	1 46	25 35	10 39	13 25	13 24	14 28	6 49	4 45
M22	18 59	3 34	4 4	14 38	1 3	22 58	0 17	29 5	6 16	23 19	0 3	12 11	1 44	3 51	0 43	5 6	1 46	25 34	10 39	13 22	13 23	14 26	6 46	4 45
T 23	18 45	1s18	3 11	13 59	0 57	22 55	0 14	29 5	6 15	23 19	0 3	12 8	1 44	3 49	0 43	5 6	1 46	25 34	10 39	13 20	13 22	14 25	6 44	4 44
W24	18 30	5 57	2 9	13 19	0 50	22 52	0 11	29 5	6 14	23 19	0 2	12 6	1 44	3 48	0 43	5 6	1 47	25 33	10 39	13 19	13 21	14 23	6 41	4 44
T 25	18 16	10 9	1 1	12 39	0 43	22 48	0 8	29 4	6 13	23 19	0 2	12 3	1 44	3 47	0 43	5 6	1 47	25 33	10 39	13 18	13 20	14 21	6 39	4 44
F 26	18 0	13 42	0n 8	11 59	0 36	22 44	0 6	29 4	6 11	23 19	0 2	12 1	1 44	3 46	0 43	5 6	1 47	25 32	10 39	13 18	13 19	14 20	6 36	4 43
S 27	17 45	16 29	1 15	11 19	0 28	22 39	0 3	29 3	6 10	23 19	0 2	11 58	1 44	3 45	0 43	5 5	1 47	25 31	10 39	13 18	13 18	14 18	6 34	4 43
S 28	17 29	18 25	2 17	10 39	0 20	22 33	0n 0	29 2	6 8	23 19	0 2	11 56	1 44	3 43	0 43	5 5	1 47	25 31	10 39	13 18	13 17	14 17	6 31	4 43
M29	17 13	19 27	3 11	9 59	0 12	22 27	0 3	29 1	6 7	23 19	0 2	11 53	1 44	3 42	0 43	5 5	1 47	25 30	10 39	13 17	13 16	14 15	6 29	4 42
T 30	16 57	19 34	3 55	9 19	0 4	22 20	0 6	29 0	6 5	23 19	0 2	11 50	1 44	3 41	0 43	5 5	1 47	25 30	10 39	13 15	13 15	14 14	6 26	4 42
W31	16n40	18s49	4n29	8n39	0s 4	22n12	0n 8	28s58	6s 3	23s19	0n 1	11n48	1n44	3n40	0n43	5n 4	1s47	25n29	10n39	13s12	13s14	14s12	6n24	4s42

Julian Day Number = 2164287.5, Delta T = 12m54s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'23, Lahiri = 12°53'24 Julian Calendar 1 July 1213 == Greg. Calendar 8 July 1213

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1213
geocentric

AUGUST 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 48	15♌ 2'53	20♑ 6	9♍ 6	21♋ 1	12°R27	22°R49	3♍50	22♍31	17°R 1	18♌22	4°R40	4♏54	4♒41	2♍13	T 1
F 2	21 9 45	16° 0'39	1♒58	10°29	22°14	12♑25	22♐47	3°58	22°34	17♈ 1	18°24	4♏27	4°51	4°48	2°21	F 2
S 3	21 13 41	16°58'25	13°51	11°51	23°27	12°23	22°45	4° 5	22°38	17° 0	18°26	4°13	4°48	4°54	2°30	S 3
S 4	21 17 38	17°56'13	25°47	13°11	24°40	12°D23	22°43	4°12	22°41	16°59	18°28	4° 0	4°44	5° 1	2°38	S 4
M 5	21 21 34	18°54'03	7♓45	14°29	25°54	12°23	22°42	4°19	22°44	16°59	18°30	3°49	4°41	5° 8	2°46	M 5
T 6	21 25 31	19°51'54	19°49	15°45	27° 7	12°24	22°40	4°27	22°47	16°58	18°32	3°39	4°38	5°15	2°54	T 6
W 7	21 29 27	20°49'46	2♈ 0	16°59	28°20	12°26	22°39	4°34	22°51	16°57	18°34	3°33	4°35	5°21	3° 3	W 7
T 8	21 33 24	21°47'41	14°20	18°12	29°33	12°28	22°38	4°41	22°54	16°57	18°36	3°29	4°32	5°28	3°11	T 8
F 9	21 37 20	22°45'37	26°52	19°22	0♌47	12°32	22°37	4°49	22°57	16°56	18°38	3°27	4°29	5°35	3°19	F 9
S 10	21 41 17	23°43'36	9♉40	20°31	2° 0	12°36	22°37	4°56	23° 1	16°55	18°40	3°D27	4°25	5°41	3°28	S 10
S 11	21 45 13	24°41'36	22°48	21°37	3°14	12°41	22°36	5° 4	23° 4	16°54	18°42	3°R27	4°22	5°48	3°36	S 11
M12	21 49 10	25°39'38	6♊19	22°41	4°27	12°47	22°36	5°11	23° 8	16°53	18°44	3°27	4°19	5°55	3°44	M12
T 13	21 53 7	26°37'42	20°15	23°42	5°41	12°53	22°D36	5°19	23°11	16°52	18°46	3°25	4°16	6° 2	3°53	T 13
W14	21 57 3	27°35'48	4♋38	24°41	6°54	13° 1	22°36	5°26	23°15	16°51	18°48	3°21	4°13	6° 8	4° 1	W14
T 15	22 1 0	28°33'57	19°23	25°38	8° 8	13° 9	22°37	5°33	23°18	16°50	18°50	3°14	4° 9	6°15	4° 9	T 15
F 16	22 4 56	29°32'07	4♌26	26°31	9°22	13°18	22°37	5°41	23°22	16°49	18°52	3° 5	4° 6	6°22	4°18	F 16
S 17	22 8 53	0♍30'19	19°38	27°22	10°35	13°27	22°38	5°48	23°25	16°48	18°54	2°56	4° 3	6°28	4°26	S 17
S 18	22 12 49	1°28'32	4♍47	28° 9	11°49	13°38	22°39	5°56	23°29	16°47	18°56	2°47	4° 0	6°35	4°35	S 18
M19	22 16 46	2°26'48	19°45	28°53	13° 3	13°49	22°40	6° 3	23°32	16°46	18°58	2°39	3°57	6°42	4°43	M19
T 20	22 20 42	3°25'05	4♎22	29°33	14°17	14° 1	22°42	6°11	23°36	16°45	19° 0	2°34	3°54	6°49	4°52	T 20
W21	22 24 39	4°23'24	18°33	0♎10	15°31	14°14	22°43	6°18	23°40	16°44	19° 1	2°31	3°50	6°55	5° 0	W21
T 22	22 28 36	5°21'44	2♏15	0°42	16°45	14°27	22°45	6°26	23°43	16°43	19° 3	2°D30	3°47	7° 2	5° 8	T 22
F 23	22 32 32	6°20'06	15°29	1° 9	17°58	14°41	22°47	6°33	23°47	16°42	19° 5	2°31	3°44	7° 9	5°17	F 23
S 24	22 36 29	7°18'30	28°19	1°32	19°13	14°56	22°49	6°41	23°51	16°40	19° 7	2°32	3°41	7°16	5°25	S 24
S 25	22 40 25	8°16'55	10♐48	1°49	20°27	15°11	22°51	6°48	23°54	16°39	19° 9	2°R32	3°38	7°22	5°34	S 25
M26	22 44 22	9°15'22	23° 1	2° 1	21°41	15°27	22°54	6°56	23°58	16°38	19°11	2°31	3°35	7°29	5°42	M26
T 27	22 48 18	10°13'51	5♑ 2	2°R 7	22°55	15°44	22°56	7° 3	24° 2	16°37	19°13	2°28	3°31	7°36	5°51	T 27
W28	22 52 15	11°12'21	16°57	2° 7	24° 9	16° 2	22°59	7°11	24° 5	16°35	19°15	2°22	3°28	7°42	5°59	W28
T 29	22 56 11	12°10'54	28°49	2° 1	25°23	16°19	23° 2	7°18	24° 9	16°34	19°16	2°15	3°25	7°49	6° 7	T 29
F 30	23 0 8	13° 9'27	10♒42	1°47	26°37	16°38	23° 5	7°26	24°13	16°33	19°18	2° 6	3°22	7°56	6°16	F 30
S 31	23 4 5	14♍ 8'03	22♒38	1♎27	27♌52	16♑57	23♐ 9	7♍33	24♍16	16♈31	19♌20	1♏57	3♏19	8♒ 3	6♍24	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n23	17s14	4n51	7n59	0s13	22n 4	0n11	28s56	6s 1	23s19	0n 1	11n45	1n44	3n38	0n43	5n 4	1s47	25n28	10n39	13s 8	13s13	14s10	6n21	4s41
F 2	16 6	14 56	5 0	7 20	0 22	21 55	0 14	28 54	5 59	23 19	0 1	11 42	1 44	3 37	0 43	5 4	1 47	25 28	10 39	13 3	13 11	14 9	6 18	4 41
S 3	15 49	12 1	4 56	6 41	0 31	21 46	0 16	28 52	5 56	23 19	0 1	11 40	1 44	3 36	0 43	5 3	1 47	25 27	10 39	12 59	13 10	14 7	6 16	4 41
S 4	15 31	8 36	4 39	6 2	0 40	21 35	0 19	28 50	5 54	23 19	0 1	11 37	1 44	3 34	0 43	5 3	1 47	25 27	10 39	12 54	13 9	14 6	6 13	4 40
M 5	15 13	4 50	4 10	5 23	0 49	21 24	0 21	28 48	5 52	23 19	0 1	11 34	1 44	3 33	0 43	5 3	1 47	25 26	10 39	12 50	13 8	14 4	6 10	4 40
T 6	14 55	0 51	3 29	4 45	0 58	21 13	0 24	28 45	5 49	23 19	0 1	11 32	1 44	3 32	0 43	5 3	1 47	25 26	10 39	12 47	13 7	14 3	6 8	4 40
W 7	14 37	3n13	2 39	4 8	1 7	21 1	0 26	28 42	5 47	23 20	0 1	11 29	1 44	3 30	0 43	5 2	1 47	25 25	10 39	12 45	13 6	14 1	6 5	4 40
T 8	14 18	7 12	1 40	3 31	1 17	20 48	0 29	28 39	5 44	23 20	0 0	11 26	1 44	3 29	0 43	5 2	1 47	25 24	10 39	12 44	13 5	13 59	6 2	4 39
F 9	13 59	10 56	0 35	2 54	1 26	20 35	0 31	28 36	5 41	23 20	0 0	11 24	1 44	3 28	0 43	5 2	1 47	25 24	10 39	12 43	13 4	13 58	5 59	4 39
S 10	13 40	14 15	0s33	2 19	1 36	20 21	0 34	28 33	5 39	23 20	0 0	11 21	1 44	3 26	0 43	5 1	1 47	25 23	10 39	12 43	13 3	13 56	5 57	4 39
S 11	13 21	16 55	1 41	1 44	1 45	20 6	0 36	28 30	5 36	23 20	0 0	11 18	1 44	3 25	0 43	5 1	1 48	25 23	10 40	12 43	13 2	13 55	5 54	4 39
M12	13 1	18 44	2 45	1 10	1 55	19 51	0 39	28 27	5 33	23 20	0s 0	11 15	1 44	3 24	0 43	5 0	1 48	25 22	10 40	12 43	13 1	13 53	5 51	4 38
T 13	12 41	19 29	3 42	0 37	2 4	19 35	0 41	28 23	5 30	23 20	0 0	11 13	1 44	3 22	0 43	5 0	1 48	25 22	10 40	12 42	13 0	13 51	5 48	4 38
W14	12 21	19 1	4 27	0 5	2 14	19 19	0 43	28 19	5 27	23 20	0 0	11 10	1 44	3 21	0 43	5 0	1 48	25 21	10 40	12 41	12 59	13 50	5 45	4 38
T 15	12 1	17 16	4 55	0s26	2 23	19 2	0 45	28 16	5 24	23 20	0 1	11 7	1 44	3 19	0 43	4 59	1 48	25 21	10 40	12 39	12 57	13 48	5 43	4 38
F 16	11 41	14 19	5 3	0 56	2 32	18 45	0 47	28 12	5 21	23 21	0 1	11 5	1 44	3 18	0 43	4 59	1 48	25 20	10 40	12 36	12 56	13 47	5 40	4 38
S 17	11 20	10 23	4 51	1 25	2 41	18 27	0 50	28 8	5 18	23 21	0 1	11 2	1 44	3 16	0 43	4 58	1 48	25 20	10 40	12 32	12 55	13 45	5 37	4 37
S 18	11 0	5 47	4 18	1 52	2 50	18 9	0 52	28 4	5 15	23 21	0 1	10 59	1 44	3 15	0 43	4 58	1 48	25 19	10 40	12 29	12 54	13 43	5 34	4 37
M19	10 39	0 54	3 28	2 17	2 59	17 50	0 54	27 59	5 12	23 21	0 1	10 56	1 44	3 14	0 43	4 57	1 48	25 19	10 41	12 27	12 53	13 42	5 31	4 37
T 20	10 18	3s57	2 24	2 41	3 7	17 30	0 56	27 55	5 9	23 21	0 1	10 54	1 44	3 12	0 43	4 57	1 48	25 18	10 41	12 25	12 52	13 40	5 28	4 37
W21	9 56	8 26	1 14	3 3	3 15	17 10	0 58	27 50	5 6	23 22	0 1	10 51	1 44	3 11	0 43	4 56	1 48	25 18	10 41	12 24	12 51	13 39	5 25	4 37
T 22	9 35	12 20	0 1	3 22	3 23	16 50	0 59	27 46	5 3	23 22	0 1	10 48	1 44	3 9	0 43	4 56	1 48	25 17	10 41	12 24	12 50	13 37	5 23	4 37
F 23	9 13	15 27	1n 9	3 40	3 30	16 29	1 1	27 41	4 59	23 22	0 2	10 45	1 44	3 8	0 43	4 55	1 48	25 17	10 41	12 24	12 49	13 35	5 20	4 36
S 24	8 52	17 42	2 14	3 55	3 37	16 7	1 3	27 36	4 56	23 22	0 2	10 43	1 44	3 6	0 43	4 55	1 48	25 16	10 41	12 24	12 48	13 34	5 17	4 36
S 25	8 30	19 1	3 11	4 8	3 43	15 45	1 5	27 31	4 53	23 22	0 2	10 40	1 44	3 5	0 43	4 54	1 48	25 16	10 41	12 24	12 47	13 32	5 14	4 36
M26	8 8	19 24	3 57	4 18	3 48	15 23	1 6	27 26	4 50	23 23	0 2	10 37	1 44	3 3	0 43	4 54	1 48	25 15	10 42	12 24	12 46	13 31	5 11	4 36
T 27	7 46	18 54	4 33	4 24	3 53	15 0	1 8	27 21	4 47	23 23	0 2	10 34	1 45	3 2	0 42	4 53	1 48	25 15	10 42	12 23	12 45	13 29	5 8	4 36
W28	7 24	17 34	4 56	4 28	3 57	14 37	1 9	27 16	4 43	23 23	0 2	10 32	1 45	3 0	0 42	4 53	1 48	25 14	10 42	12 21	12 43	13 27	5 5	4 36
T 29	7 1	15 29	5 6	4 28	3 59	14 14	1 11	27 10	4 40	23 24	0 2	10 29	1 45	2 59	0 42	4 52	1 48	25 14	10 42	12 18	12 42	13 26	5 2	4 36
F 30	6 39	12 46	5 3	4 24	4 1	13 50	1 12	27 5	4 37	23 24	0 2	10 26	1 45	2 57	0 42	4 52	1 48	25 14	10 42	12 15	12 41	13 24	4 59	4 36
S 31	6n16	9s30	4n47	4s16	4s 1	13n25	1n14	26s59	4s34	23s24	0s 2	10n23	1n45	2n56	0n42	4n51	1s48	25n13	10n43	12s12	12s40	13s23	4n56	4s35

Julian Day Number = 2164318.5, Delta T = 12m54s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'28, Lahiri = 12°53'28 Julian Calendar 1 Aug. 1213 == Greg. Calendar 8 Aug. 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

SEPTEMBER 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 1	15♍ 6'40	4♓38	1°R 0	29♌ 6	17♉17	23♐12	7♍41	24♍20	16°R30	19♌22	1°R48	3♏15	8♒ 9	6♍33	S 1
M 2	23 11 58	16° 5'20	16°45	0♎25	0♍20	17°37	23°16	7°48	24°24	16♈29	19°24	1♏40	3°12	8°16	6°41	M 2
T 3	23 15 54	17° 4'01	29° 0	29♍44	1°35	17°58	23°20	7°56	24°28	16°27	19°26	1°34	3° 9	8°23	6°50	T 3
W 4	23 19 51	18° 2'44	11♈24	28°56	2°49	18°19	23°24	8° 3	24°31	16°26	19°27	1°30	3° 6	8°29	6°58	W 4
T 5	23 23 47	19° 1'30	23°57	28° 2	4° 4	18°41	23°28	8°10	24°35	16°24	19°29	1°28	3° 3	8°36	7° 6	T 5
F 6	23 27 44	20° 0'18	6♉42	27° 3	5°18	19° 4	23°32	8°18	24°39	16°23	19°31	1°D28	3° 0	8°43	7°15	F 6
S 7	23 31 40	20°59'08	19°41	26° 0	6°33	19°27	23°37	8°25	24°43	16°22	19°33	1°29	2°56	8°50	7°23	S 7
S 8	23 35 37	21°58'00	2♊55	24°54	7°47	19°50	23°42	8°33	24°47	16°20	19°34	1°30	2°53	8°56	7°31	S 8
M 9	23 39 34	22°56'55	16°27	23°47	9° 2	20°14	23°47	8°40	24°50	16°19	19°36	1°31	2°50	9° 3	7°40	M 9
T 10	23 43 30	23°55'52	0♋17	22°40	10°16	20°38	23°52	8°47	24°54	16°17	19°38	1°R31	2°47	9°10	7°48	T 10
W11	23 47 27	24°54'52	14°27	21°36	11°31	21° 3	23°57	8°55	24°58	16°16	19°39	1°30	2°44	9°17	7°56	W11
T 12	23 51 23	25°53'53	28°55	20°35	12°46	21°28	24° 3	9° 2	25° 2	16°14	19°41	1°27	2°40	9°23	8° 4	T 12
F 13	23 55 20	26°52'58	13♌36	19°39	14° 0	21°54	24° 8	9° 9	25° 5	16°12	19°43	1°23	2°37	9°30	8°13	F 13
S 14	23 59 16	27°52'04	28°26	18°51	15°15	22°20	24°14	9°16	25° 9	16°11	19°44	1°18	2°34	9°37	8°21	S 14
S 15	0 3 13	28°51'13	13♍16	18°11	16°30	22°47	24°20	9°24	25°13	16° 9	19°46	1°13	2°31	9°43	8°29	S 15
M16	0 7 9	29°50'23	27°59	17°41	17°45	23°14	24°26	9°31	25°17	16° 8	19°48	1° 9	2°28	9°50	8°37	M16
T 17	0 11 6	0♎49'36	12♎27	17°20	19° 0	23°41	24°32	9°38	25°21	16° 6	19°49	1° 6	2°25	9°57	8°45	T 17
W18	0 15 2	1°48'51	26°34	17°D10	20°15	24° 9	24°39	9°45	25°24	16° 4	19°51	1°D 5	2°21	10° 4	8°53	W18
T 19	0 18 59	2°48'08	10♏16	17°11	21°29	24°37	24°45	9°52	25°28	16° 3	19°52	1° 5	2°18	10°10	9° 1	T 19
F 20	0 22 56	3°47'27	23°34	17°22	22°44	25° 6	24°52	9°59	25°32	16° 1	19°54	1° 6	2°15	10°17	9° 9	F 20
S 21	0 26 52	4°46'47	6♐28	17°44	23°59	25°34	24°59	10° 6	25°36	16° 0	19°55	1° 8	2°12	10°24	9°17	S 21
S 22	0 30 49	5°46'10	19° 1	18°15	25°14	26° 4	25° 6	10°14	25°39	15°58	19°57	1° 9	2° 9	10°30	9°25	S 22
M23	0 34 45	6°45'34	1♉16	18°56	26°29	26°33	25°13	10°21	25°43	15°56	19°58	1°R10	2° 6	10°37	9°33	M23
T 24	0 38 42	7°45'00	13°20	19°45	27°44	27° 3	25°20	10°27	25°47	15°55	20° 0	1°10	2° 2	10°44	9°41	T 24
W25	0 42 38	8°44'28	25°15	20°42	28°59	27°34	25°28	10°34	25°51	15°53	20° 1	1° 9	1°59	10°51	9°49	W25
T 26	0 46 35	9°43'58	7♒ 8	21°46	0♎14	28° 4	25°35	10°41	25°54	15°51	20° 2	1° 7	1°56	10°57	9°57	T 26
F 27	0 50 31	10°43'30	19° 2	22°56	1°29	28°35	25°43	10°48	25°58	15°50	20° 4	1° 4	1°53	11° 4	10° 5	F 27
S 28	0 54 28	11°43'03	1♓ 0	24°12	2°44	29° 6	25°51	10°55	26° 2	15°48	20° 5	1° 1	1°50	11°11	10°12	S 28
S 29	0 58 25	12°42'38	13° 6	25°32	3°59	29°38	25°59	11° 2	26° 5	15°46	20° 6	0°58	1°46	11°18	10°20	S 29
M30	1 2 21	13♎42'15	25♓22	26♍56	5♎15	0♒10	26♐ 7	11♍ 8	26♍ 9	15♈45	20♌ 8	0♏56	1♏43	11♒24	10♍28	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n53	5s50	4n18	4s 4	4s 0	13n 0	1n15	26s53	4s31	23s24	0s 3	10n21	1n45	2n54	0n42	4n51	1s48	25n13	10n43	12s 9	12s39	13s21	4n53	4s35
M 2	5 31	1 55	3 38	3 48	3 57	12 35	1 16	26 48	4 28	23 25	0 3	10 18	1 45	2 53	0 42	4 50	1 49	25 12	10 43	12 6	12 38	13 19	4 50	4 35
T 3	5 8	2n 9	2 46	3 27	3 53	12 10	1 17	26 42	4 24	23 25	0 3	10 15	1 45	2 51	0 42	4 50	1 49	25 12	10 43	12 4	12 37	13 18	4 47	4 35
W 4	4 45	6 10	1 47	3 2	3 47	11 44	1 19	26 35	4 21	23 25	0 3	10 13	1 45	2 50	0 42	4 49	1 49	25 12	10 43	12 3	12 36	13 16	4 44	4 35
T 5	4 22	9 58	0 41	2 33	3 39	11 18	1 20	26 29	4 18	23 26	0 3	10 10	1 45	2 48	0 42	4 48	1 49	25 11	10 44	12 2	12 35	13 14	4 41	4 35
F 6	3 58	13 22	0s28	2 1	3 28	10 51	1 21	26 23	4 15	23 26	0 3	10 7	1 45	2 47	0 42	4 48	1 49	25 11	10 44	12 2	12 34	13 13	4 38	4 35
S 7	3 35	16 10	1 37	1 24	3 16	10 24	1 21	26 16	4 12	23 26	0 3	10 4	1 45	2 45	0 42	4 47	1 49	25 11	10 44	12 2	12 33	13 11	4 35	4 35
S 8	3 12	18 10	2 43	0 45	3 2	9 57	1 22	26 10	4 9	23 27	0 3	10 2	1 45	2 44	0 42	4 47	1 49	25 10	10 44	12 3	12 31	13 9	4 32	4 35
M 9	2 49	19 12	3 40	0 4	2 47	9 30	1 23	26 3	4 6	23 27	0 3	9 59	1 46	2 42	0 42	4 46	1 49	25 10	10 45	12 3	12 30	13 8	4 29	4 35
T 10	2 25	19 6	4 26	0n38	2 29	9 2	1 24	25 56	4 2	23 27	0 4	9 56	1 46	2 41	0 42	4 45	1 49	25 9	10 45	12 3	12 29	13 6	4 26	4 35
W11	2 2	17 49	4 58	1 21	2 11	8 34	1 24	25 49	3 59	23 28	0 4	9 54	1 46	2 39	0 42	4 45	1 49	25 9	10 45	12 3	12 28	13 5	4 23	4 35
T 12	1 38	15 23	5 11	2 2	1 52	8 6	1 25	25 42	3 56	23 28	0 4	9 51	1 46	2 38	0 42	4 44	1 49	25 9	10 45	12 2	12 27	13 3	4 20	4 35
F 13	1 15	11 57	5 4	2 43	1 31	7 38	1 26	25 35	3 53	23 28	0 4	9 48	1 46	2 36	0 42	4 44	1 49	25 9	10 46	12 0	12 26	13 1	4 17	4 35
S 14	0 51	7 44	4 37	3 20	1 11	7 9	1 26	25 28	3 50	23 29	0 4	9 46	1 46	2 35	0 42	4 43	1 49	25 8	10 46	11 58	12 25	13 0	4 14	4 35
S 15	0 27	3 2	3 52	3 55	0 51	6 40	1 26	25 20	3 47	23 29	0 4	9 43	1 46	2 33	0 42	4 42	1 49	25 8	10 46	11 57	12 24	12 58	4 11	4 35
M16	0 4	1s49	2 51	4 25	0 31	6 11	1 27	25 13	3 44	23 30	0 4	9 40	1 46	2 32	0 42	4 42	1 49	25 8	10 46	11 55	12 23	12 56	4 8	4 35
T 17	0s20	6 29	1 40	4 51	0 12	5 42	1 27	25 5	3 41	23 30	0 4	9 38	1 46	2 30	0 42	4 41	1 49	25 7	10 47	11 54	12 22	12 55	4 5	4 35
W18	0 43	10 40	0 25	5 11	0n 6	5 13	1 27	24 57	3 38	23 30	0 4	9 35	1 47	2 29	0 42	4 40	1 49	25 7	10 47	11 54	12 21	12 53	4 2	4 35
T 19	1 7	14 10	0n50	5 27	0 23	4 43	1 27	24 49	3 35	23 31	0 5	9 33	1 47	2 27	0 42	4 40	1 49	25 7	10 47	11 54	12 19	12 51	3 59	4 35
F 20	1 31	16 48	2 0	5 37	0 39	4 14	1 27	24 41	3 32	23 31	0 5	9 30	1 47	2 26	0 42	4 39	1 49	25 7	10 48	11 54	12 18	12 50	3 56	4 35
S 21	1 54	18 29	3 2	5 41	0 54	3 44	1 27	24 32	3 29	23 31	0 5	9 27	1 47	2 24	0 42	4 38	1 49	25 6	10 48	11 55	12 17	12 48	3 53	4 35
S 22	2 18	19 12	3 54	5 41	1 7	3 14	1 27	24 24	3 26	23 32	0 5	9 25	1 47	2 23	0 42	4 38	1 49	25 6	10 48	11 55	12 16	12 46	3 50	4 35
M23	2 42	18 59	4 33	5 35	1 18	2 44	1 27	24 15	3 23	23 32	0 5	9 22	1 47	2 21	0 42	4 37	1 49	25 6	10 48	11 56	12 15	12 45	3 47	4 35
T 24	3 5	17 54	5 0	5 25	1 28	2 14	1 27	24 7	3 21	23 32	0 5	9 20	1 47	2 20	0 42	4 37	1 49	25 6	10 49	11 56	12 14	12 43	3 44	4 35
W25	3 29	16 3	5 13	5 11	1 37	1 44	1 26	23 58	3 18	23 33	0 5	9 17	1 47	2 18	0 42	4 36	1 49	25 6	10 49	11 55	12 13	12 41	3 41	4 35
T 26	3 52	13 31	5 13	4 52	1 44	1 13	1 26	23 49	3 15	23 33	0 5	9 15	1 48	2 17	0 42	4 35	1 49	25 6	10 49	11 55	12 12	12 40	3 38	4 35
F 27	4 16	10 26	4 59	4 29	1 50	0 43	1 26	23 40	3 12	23 34	0 5	9 12	1 48	2 16	0 42	4 35	1 49	25 5	10 50	11 54	12 11	12 38	3 35	4 35
S 28	4 39	6 55	4 33	4 4	1 54	0 13	1 25	23 30	3 9	23 34	0 5	9 10	1 48	2 14	0 42	4 34	1 49	25 5	10 50	11 53	12 10	12 36	3 32	4 35
S 29	5 2	3 4	3 54	3 35	1 58	0s18	1 25	23 21	3 6	23 34	0 6	9 7	1 48	2 13	0 42	4 33	1 49	25 5	10 50	11 52	12 8	12 35	3 29	4 35
M30	5s26	0n58	3n 4	3n 4	2n 0	0s48	1n24	23s11	3s 4	23s35	0s 6	9n 5	1n48	2n11	0n42	4n33	1s49	25n 5	10n51	11s51	12s 7	12s33	3n26	4s35

Julian Day Number = 2164349.5, Delta T = 12m54s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'32, Lahiri = 12°53'32 Julian Calendar 1 Sept. 1213 == Greg. Calendar 8 Sept. 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

OCTOBER 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 18	14♎41'54	7♈50	28♍24	6♎30	0♒42	26♐15	11♍15	26♍13	15°R43	20♌ 9	0°R54	1♏40	11♒31	10♍35	T 1
W 2	1 10 14	15°41'35	20°31	29°54	7°45	1°14	26°24	11°22	26°16	15♈41	20°10	0♏52	1°37	11°38	10°43	W 2
T 3	1 14 11	16°41'19	3♉24	1♎27	9° 0	1°47	26°32	11°28	26°20	15°40	20°12	0°D52	1°34	11°44	10°50	T 3
F 4	1 18 7	17°41'04	16°31	3° 1	10°15	2°19	26°41	11°35	26°23	15°38	20°13	0°53	1°31	11°51	10°58	F 4
S 5	1 22 4	18°40'51	29°51	4°37	11°30	2°52	26°50	11°41	26°27	15°36	20°14	0°54	1°27	11°58	11° 5	S 5
S 6	1 26 0	19°40'41	13♊23	6°15	12°46	3°26	26°59	11°48	26°31	15°34	20°15	0°55	1°24	12° 5	11°13	S 6
M 7	1 29 57	20°40'33	27° 7	7°53	14° 1	3°59	27° 8	11°54	26°34	15°33	20°16	0°56	1°21	12°11	11°20	M 7
T 8	1 33 54	21°40'27	11♋ 2	9°32	15°16	4°33	27°17	12° 1	26°38	15°31	20°17	0°56	1°18	12°18	11°27	T 8
W 9	1 37 50	22°40'24	25° 8	11°11	16°31	5° 7	27°26	12° 7	26°41	15°29	20°19	0°R56	1°15	12°25	11°35	W 9
T 10	1 41 47	23°40'23	9♌22	12°51	17°47	5°41	27°36	12°13	26°45	15°28	20°20	0°56	1°11	12°31	11°42	T 10
F 11	1 45 43	24°40'24	23°42	14°31	19° 2	6°16	27°45	12°20	26°48	15°26	20°21	0°55	1° 8	12°38	11°49	F 11
S 12	1 49 40	25°40'27	8♍ 5	16°11	20°17	6°50	27°55	12°26	26°52	15°24	20°22	0°55	1° 5	12°45	11°56	S 12
S 13	1 53 36	26°40'32	22°27	17°51	21°33	7°25	28° 5	12°32	26°55	15°23	20°23	0°54	1° 2	12°52	12° 3	S 13
M14	1 57 33	27°40'39	6♎43	19°30	22°48	8° 0	28°15	12°38	26°58	15°21	20°24	0°54	0°59	12°58	12°10	M14
T 15	2 1 29	28°40'49	20°48	21°10	24° 3	8°36	28°25	12°44	27° 2	15°20	20°25	0°54	0°56	13° 5	12°17	T 15
W16	2 5 26	29°41'00	4♏38	22°49	25°19	9°11	28°35	12°50	27° 5	15°18	20°26	0°D54	0°52	13°12	12°24	W16
T 17	2 9 22	0♏41'13	18°11	24°28	26°34	9°47	28°45	12°56	27° 8	15°16	20°26	0°R54	0°49	13°19	12°31	T 17
F 18	2 13 19	1°41'28	1♐23	26° 7	27°49	10°23	28°55	13° 1	27°12	15°15	20°27	0°54	0°46	13°25	12°37	F 18
S 19	2 17 16	2°41'44	14°16	27°46	29° 5	10°59	29° 6	13° 7	27°15	15°13	20°28	0°54	0°43	13°32	12°44	S 19
S 20	2 21 12	3°42'03	26°50	29°24	0♏20	11°35	29°16	13°13	27°18	15°12	20°29	0°53	0°40	13°39	12°50	S 20
M21	2 25 9	4°42'22	9♑ 8	1♏ 1	1°36	12°11	29°27	13°18	27°21	15°10	20°30	0°53	0°37	13°45	12°57	M21
T 22	2 29 5	5°42'44	21°14	2°39	2°51	12°48	29°38	13°24	27°25	15° 8	20°30	0°53	0°33	13°52	13° 3	T 22
W23	2 33 2	6°43'06	3♒10	4°16	4° 6	13°24	29°49	13°29	27°28	15° 7	20°31	0°D52	0°30	13°59	13°10	W23
T 24	2 36 58	7°43'31	15° 3	5°53	5°22	14° 1	29°59	13°35	27°31	15° 5	20°32	0°52	0°27	14° 6	13°16	T 24
F 25	2 40 55	8°43'56	26°57	7°29	6°37	14°38	0♑11	13°40	27°34	15° 4	20°32	0°53	0°24	14°12	13°22	F 25
S 26	2 44 51	9°44'23	8♓55	9° 5	7°53	15°15	0°22	13°45	27°37	15° 2	20°33	0°54	0°21	14°19	13°28	S 26
S 27	2 48 48	10°44'51	21° 4	10°41	9° 8	15°53	0°33	13°51	27°40	15° 1	20°34	0°55	0°17	14°26	13°35	S 27
M28	2 52 45	11°45'21	3♈26	12°17	10°23	16°30	0°44	13°56	27°43	14°59	20°34	0°56	0°14	14°32	13°41	M28
T 29	2 56 41	12°45'52	16° 4	13°52	11°39	17° 7	0°56	14° 1	27°46	14°58	20°35	0°56	0°11	14°39	13°46	T 29
W30	3 0 38	13°46'25	29° 0	15°27	12°54	17°45	1° 7	14° 6	27°49	14°56	20°35	0°R57	0° 8	14°46	13°52	W30
T 31	3 4 34	14♏46'59	12♉15	17♏ 2	14♏10	18♒23	1♑19	14♍11	27♍52	14♈55	20♌36	0♏57	0♏ 5	14♒53	13♍58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s49	5n 1	2n 4	2n30	2n 1	1s19	1n23	23s 2	3s 1	23s35	0s 6	9n 3	1n48	2n10	0n42	4n32	1s49	25n 5	10n51	11s50	12s 6	12s31	3n23	4s35
W 2	6 12	8 55	0 57	1 54	2 2	1 49	1 23	22 52	2 58	23 35	0 6	9 0	1 48	2 8	0 42	4 31	1 49	25 5	10 51	11 50	12 5	12 30	3 20	4 35
T 3	6 35	12 29	0s14	1 17	2 2	2 20	1 22	22 42	2 56	23 36	0 6	8 58	1 49	2 7	0 42	4 31	1 49	25 5	10 52	11 49	12 4	12 28	3 17	4 36
F 4	6 58	15 29	1 26	0 38	2 0	2 50	1 21	22 32	2 53	23 36	0 6	8 55	1 49	2 5	0 43	4 30	1 49	25 4	10 52	11 50	12 3	12 26	3 14	4 36
S 5	7 21	17 42	2 34	0s 2	1 58	3 20	1 20	22 21	2 50	23 36	0 6	8 53	1 49	2 4	0 43	4 29	1 49	25 4	10 52	11 50	12 2	12 25	3 11	4 36
S 6	7 44	18 57	3 34	0 43	1 56	3 51	1 19	22 11	2 48	23 37	0 6	8 51	1 49	2 3	0 43	4 29	1 49	25 4	10 53	11 50	12 1	12 23	3 8	4 36
M 7	8 6	19 7	4 24	1 25	1 53	4 21	1 18	22 1	2 45	23 37	0 6	8 48	1 49	2 1	0 43	4 28	1 49	25 4	10 53	11 51	12 0	12 21	3 5	4 36
T 8	8 29	18 8	4 58	2 7	1 49	4 51	1 17	21 50	2 42	23 37	0 6	8 46	1 49	2 0	0 43	4 27	1 49	25 4	10 53	11 51	11 58	12 20	3 2	4 36
W 9	8 51	16 2	5 15	2 50	1 45	5 21	1 16	21 39	2 40	23 37	0 7	8 44	1 50	1 58	0 43	4 27	1 49	25 4	10 54	11 51	11 57	12 18	3 0	4 36
T 10	9 14	12 57	5 14	3 33	1 41	5 51	1 15	21 28	2 37	23 38	0 7	8 42	1 50	1 57	0 43	4 26	1 49	25 4	10 54	11 51	11 56	12 16	2 57	4 36
F 11	9 36	9 4	4 52	4 16	1 36	6 21	1 13	21 17	2 35	23 38	0 7	8 39	1 50	1 56	0 43	4 26	1 49	25 4	10 54	11 51	11 55	12 15	2 54	4 37
S 12	9 58	4 40	4 13	4 59	1 31	6 51	1 12	21 6	2 32	23 38	0 7	8 37	1 50	1 54	0 43	4 25	1 49	25 4	10 55	11 50	11 54	12 13	2 51	4 37
S 13	10 20	0s 1	3 18	5 42	1 26	7 20	1 11	20 54	2 30	23 38	0 7	8 35	1 50	1 53	0 43	4 24	1 49	25 4	10 55	11 50	11 53	12 11	2 48	4 37
M14	10 41	4 40	2 10	6 26	1 20	7 50	1 9	20 43	2 27	23 39	0 7	8 33	1 50	1 52	0 43	4 24	1 49	25 4	10 55	11 50	11 52	12 10	2 45	4 37
T 15	11 3	9 1	0 56	7 9	1 14	8 19	1 8	20 31	2 25	23 39	0 7	8 31	1 51	1 50	0 43	4 23	1 49	25 4	10 56	11 50	11 51	12 8	2 43	4 37
W16	11 24	12 48	0n21	7 51	1 8	8 48	1 6	20 19	2 22	23 39	0 7	8 29	1 51	1 49	0 43	4 22	1 49	25 4	10 56	11 50	11 50	12 6	2 40	4 37
T 17	11 46	15 48	1 34	8 33	1 2	9 17	1 5	20 7	2 20	23 39	0 7	8 27	1 51	1 48	0 43	4 22	1 49	25 4	10 57	11 50	11 48	12 5	2 37	4 38
F 18	12 7	17 54	2 41	9 15	0 56	9 46	1 3	19 55	2 18	23 39	0 7	8 24	1 51	1 46	0 43	4 21	1 49	25 4	10 57	11 50	11 47	12 3	2 34	4 38
S 19	12 28	19 0	3 38	9 57	0 50	10 14	1 1	19 43	2 15	23 40	0 7	8 22	1 51	1 45	0 43	4 21	1 49	25 4	10 57	11 50	11 46	12 1	2 32	4 38
S 20	12 48	19 7	4 23	10 38	0 43	10 42	1 0	19 30	2 13	23 40	0 8	8 20	1 52	1 44	0 43	4 20	1 49	25 5	10 58	11 50	11 45	11 59	2 29	4 38
M21	13 9	18 19	4 55	11 19	0 37	11 10	0 58	19 18	2 10	23 40	0 8	8 18	1 52	1 43	0 43	4 19	1 49	25 5	10 58	11 50	11 44	11 58	2 26	4 38
T 22	13 29	16 42	5 13	11 58	0 30	11 38	0 56	19 5	2 8	23 40	0 8	8 16	1 52	1 41	0 43	4 19	1 49	25 5	10 58	11 50	11 43	11 56	2 24	4 39
W23	13 49	14 23	5 17	12 38	0 23	12 5	0 54	18 53	2 6	23 40	0 8	8 15	1 52	1 40	0 43	4 18	1 49	25 5	10 59	11 50	11 42	11 54	2 21	4 39
T 24	14 9	11 29	5 8	13 17	0 17	12 33	0 52	18 40	2 4	23 40	0 8	8 13	1 52	1 39	0 43	4 18	1 49	25 5	10 59	11 50	11 41	11 53	2 18	4 39
F 25	14 28	8 7	4 45	13 55	0 10	12 59	0 50	18 27	2 1	23 40	0 8	8 11	1 53	1 38	0 43	4 17	1 49	25 5	11 0	11 50	11 40	11 51	2 16	4 39
S 26	14 48	4 24	4 10	14 32	0 3	13 26	0 48	18 13	1 59	23 40	0 8	8 9	1 53	1 36	0 43	4 17	1 49	25 5	11 0	11 50	11 38	11 49	2 13	4 40
S 27	15 7	0 26	3 23	15 9	0s 4	13 52	0 46	18 0	1 57	23 40	0 8	8 7	1 53	1 35	0 43	4 16	1 49	25 6	11 0	11 50	11 37	11 48	2 11	4 40
M28	15 25	3n37	2 27	15 45	0 10	14 18	0 44	17 47	1 55	23 40	0 8	8 5	1 53	1 34	0 43	4 15	1 49	25 6	11 1	11 51	11 36	11 46	2 8	4 40
T 29	15 44	7 36	1 21	16 20	0 17	14 43	0 42	17 33	1 53	23 40	0 8	8 4	1 54	1 33	0 43	4 15	1 49	25 6	11 1	11 51	11 35	11 44	2 6	4 40
W30	16 2	11 20	0 11	16 54	0 23	15 8	0 40	17 20	1 50	23 40	0 8	8 2	1 54	1 32	0 43	4 14	1 49	25 6	11 2	11 51	11 34	11 42	2 3	4 40
T 31	16s20	14n35	1s 2	17s28	0s30	15s33	0n38	17s 6	1s48	23s40	0s 9	8n 0	1n54	1n31	0n43	4n14	1s49	25n 6	11n 2	11s51	11s33	11s41	2n 1	4s41

Julian Day Number = 2164379.5, Delta T = 12m54s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'36, Lahiri = 12°53'37 Julian Calendar 1 Oct. 1213 == Greg. Calendar 8 Oct. 1213

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1213
geocentric

NOVEMBER 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 8 31	15♏47'34	25♉47	18♏36	15♏25	19♒ 1	1♑31	14♍15	27♍55	14°R54	20♌36	0°R56	0♏ 2	14♒59	14♍ 4	F 1
S 2	3 12 27	16°48'12	9♊34	20°10	16°41	19°39	1°42	14°20	27°57	14♈52	20°37	0♏54	29♎58	15° 6	14° 9	S 2
S 3	3 16 24	17°48'51	23°34	21°44	17°56	20°17	1°54	14°25	28° 0	14°51	20°37	0°52	29°55	15°13	14°15	S 3
M 4	3 20 20	18°49'31	7♋42	23°18	19°11	20°55	2° 6	14°29	28° 3	14°50	20°37	0°49	29°52	15°19	14°20	M 4
T 5	3 24 17	19°50'13	21°56	24°52	20°27	21°33	2°18	14°34	28° 6	14°48	20°38	0°47	29°49	15°26	14°26	T 5
W 6	3 28 14	20°50'57	6♌10	26°26	21°42	22°12	2°30	14°38	28° 8	14°47	20°38	0°45	29°46	15°33	14°31	W 6
T 7	3 32 10	21°51'42	20°23	27°59	22°58	22°50	2°42	14°43	28°11	14°46	20°38	0°D45	29°43	15°40	14°36	T 7
F 8	3 36 7	22°52'29	4♍31	29°33	24°13	23°29	2°55	14°47	28°14	14°44	20°39	0°45	29°39	15°46	14°41	F 8
S 9	3 40 3	23°53'18	18°34	1♐ 6	25°29	24° 7	3° 7	14°51	28°16	14°43	20°39	0°46	29°36	15°53	14°46	S 9
S 10	3 44 0	24°54'08	2♎30	2°39	26°44	24°46	3°19	14°55	28°19	14°42	20°39	0°48	29°33	16° 0	14°51	S 10
M11	3 47 56	25°55'00	16°16	4°12	28° 0	25°25	3°32	14°59	28°21	14°41	20°39	0°49	29°30	16° 6	14°56	M11
T 12	3 51 53	26°55'53	29°53	5°45	29°15	26° 4	3°44	15° 3	28°23	14°40	20°39	0°R50	29°27	16°13	15° 1	T 12
W13	3 55 49	27°56'47	13♏18	7°18	0♐31	26°43	3°57	15° 7	28°26	14°39	20°39	0°49	29°23	16°20	15° 5	W13
T 14	3 59 46	28°57'43	26°31	8°51	1°46	27°22	4°10	15°11	28°28	14°37	20°39	0°47	29°20	16°27	15°10	T 14
F 15	4 3 43	29°58'39	9♐30	10°24	3° 2	28° 1	4°22	15°14	28°30	14°36	20°R39	0°44	29°17	16°33	15°14	F 15
S 16	4 7 39	0♐59'37	22°13	11°56	4°17	28°40	4°35	15°18	28°33	14°35	20°39	0°39	29°14	16°40	15°19	S 16
S 17	4 11 36	2° 0'36	4♑43	13°29	5°33	29°20	4°48	15°21	28°35	14°34	20°39	0°33	29°11	16°47	15°23	S 17
M18	4 15 32	3° 1'36	16°59	15° 1	6°48	29°59	5° 1	15°24	28°37	14°33	20°39	0°27	29° 8	16°54	15°27	M18
T 19	4 19 29	4° 2'36	29° 3	16°33	8° 4	0♓39	5°14	15°28	28°39	14°32	20°39	0°22	29° 4	17° 0	15°31	T 19
W20	4 23 25	5° 3'37	11♒ 0	18° 5	9°19	1°18	5°27	15°31	28°41	14°31	20°39	0°18	29° 1	17° 7	15°35	W20
T 21	4 27 22	6° 4'39	22°51	19°37	10°35	1°58	5°40	15°34	28°43	14°30	20°39	0°15	28°58	17°14	15°39	T 21
F 22	4 31 18	7° 5'41	4♓43	21° 9	11°50	2°38	5°53	15°37	28°45	14°30	20°39	0°D14	28°55	17°20	15°42	F 22
S 23	4 35 15	8° 6'44	16°40	22°40	13° 6	3°17	6° 6	15°40	28°47	14°29	20°38	0°14	28°52	17°27	15°46	S 23
S 24	4 39 12	9° 7'47	28°46	24°11	14°21	3°57	6°19	15°42	28°49	14°28	20°38	0°16	28°49	17°34	15°50	S 24
M25	4 43 8	10° 8'51	11♈ 8	25°41	15°36	4°37	6°33	15°45	28°51	14°27	20°38	0°17	28°45	17°41	15°53	M25
T 26	4 47 5	11° 9'56	23°48	27°11	16°52	5°17	6°46	15°48	28°52	14°26	20°38	0°R18	28°42	17°47	15°56	T 26
W27	4 51 1	12°11'00	6♉52	28°40	18° 7	5°57	6°59	15°50	28°54	14°26	20°37	0°18	28°39	17°54	15°59	W27
T 28	4 54 58	13°12'06	20°19	0♑ 8	19°23	6°37	7°13	15°52	28°56	14°25	20°37	0°17	28°36	18° 1	16° 3	T 28
F 29	4 58 54	14°13'12	4♊11	1°36	20°38	7°17	7°26	15°55	28°57	14°24	20°37	0°13	28°33	18° 7	16° 6	F 29
S 30	5 2 51	15♐14'18	18♊24	3♑ 2	21♐54	7♓57	7♑40	15♍57	28♍59	14♈24	20♌36	0♏ 7	28♎29	18♒14	16♍ 8	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s38	17n 8	2s13	18s 1	0s36	15s57	0n36	16s52	1s46	23s40	0s 9	7n58	1n54	1n30	0n43	4n13	1s49	25n 7	11n 2	11s51	11s32	11s39	1n58	4s41
S 2	16 56	18 43	3 17	18 33	0 43	16 21	0 34	16 38	1 44	23 40	0 9	7 57	1 54	1 28	0 43	4 13	1 49	25 7	11 3	11 50	11 31	11 37	1 56	4 41
S 3	17 13	19 12	4 11	19 4	0 49	16 44	0 32	16 24	1 42	23 40	0 9	7 55	1 55	1 27	0 43	4 12	1 49	25 7	11 3	11 49	11 29	11 36	1 54	4 42
M 4	17 30	18 29	4 50	19 34	0 55	17 7	0 29	16 10	1 40	23 40	0 9	7 54	1 55	1 26	0 43	4 12	1 49	25 7	11 4	11 48	11 28	11 34	1 51	4 42
T 5	17 46	16 37	5 11	20 3	1 1	17 30	0 27	15 55	1 38	23 40	0 9	7 52	1 55	1 25	0 43	4 11	1 49	25 8	11 4	11 48	11 27	11 32	1 49	4 42
W 6	18 3	13 44	5 14	20 31	1 7	17 52	0 25	15 41	1 36	23 40	0 9	7 51	1 55	1 24	0 43	4 11	1 49	25 8	11 4	11 47	11 26	11 30	1 47	4 42
T 7	18 18	10 3	4 57	20 58	1 13	18 14	0 23	15 26	1 34	23 40	0 9	7 49	1 56	1 23	0 43	4 10	1 48	25 8	11 5	11 47	11 25	11 29	1 45	4 43
F 8	18 34	5 49	4 22	21 25	1 18	18 35	0 20	15 12	1 32	23 40	0 9	7 48	1 56	1 22	0 43	4 10	1 48	25 8	11 5	11 47	11 24	11 27	1 42	4 43
S 9	18 49	1 17	3 32	21 50	1 24	18 55	0 18	14 57	1 30	23 39	0 9	7 46	1 56	1 21	0 43	4 10	1 48	25 9	11 6	11 47	11 23	11 25	1 40	4 43
S 10	19 4	3s17	2 30	22 14	1 29	19 15	0 16	14 42	1 28	23 39	0 9	7 45	1 56	1 20	0 43	4 9	1 48	25 9	11 6	11 48	11 22	11 24	1 38	4 44
M11	19 19	7 39	1 19	22 37	1 34	19 35	0 13	14 27	1 26	23 39	0 9	7 44	1 57	1 19	0 43	4 9	1 48	25 9	11 6	11 48	11 20	11 22	1 36	4 44
T 12	19 33	11 34	0 5	22 58	1 39	19 54	0 11	14 12	1 24	23 39	0 10	7 42	1 57	1 18	0 43	4 8	1 48	25 10	11 7	11 49	11 19	11 20	1 34	4 44
W13	19 47	14 49	1n 8	23 19	1 43	20 12	0 8	13 57	1 22	23 38	0 10	7 41	1 57	1 17	0 43	4 8	1 48	25 10	11 7	11 48	11 18	11 18	1 32	4 44
T 14	20 1	17 15	2 16	23 38	1 48	20 30	0 6	13 42	1 20	23 38	0 10	7 40	1 57	1 16	0 43	4 8	1 48	25 10	11 8	11 48	11 17	11 17	1 30	4 45
F 15	20 14	18 44	3 16	23 57	1 52	20 47	0 4	13 26	1 19	23 38	0 10	7 39	1 58	1 16	0 43	4 7	1 48	25 11	11 8	11 46	11 16	11 15	1 28	4 45
S 16	20 27	19 14	4 5	24 14	1 56	21 4	0 1	13 11	1 17	23 37	0 10	7 38	1 58	1 15	0 43	4 7	1 48	25 11	11 8	11 45	11 15	11 13	1 26	4 45
S 17	20 39	18 47	4 41	24 29	2 0	21 20	0s 1	12 55	1 15	23 37	0 10	7 37	1 58	1 14	0 44	4 6	1 48	25 12	11 9	11 43	11 14	11 11	1 24	4 46
M18	20 51	17 27	5 3	24 44	2 3	21 36	0 3	12 40	1 13	23 37	0 10	7 35	1 58	1 13	0 44	4 6	1 48	25 12	11 9	11 41	11 13	11 10	1 22	4 46
T 19	21 3	15 21	5 11	24 57	2 6	21 50	0 6	12 24	1 11	23 36	0 10	7 34	1 59	1 12	0 44	4 6	1 48	25 12	11 10	11 39	11 11	11 8	1 20	4 46
W20	21 14	12 38	5 6	25 8	2 9	22 5	0 8	12 8	1 10	23 36	0 10	7 33	1 59	1 11	0 44	4 5	1 48	25 13	11 10	11 37	11 10	11 6	1 18	4 47
T 21	21 25	9 25	4 48	25 18	2 11	22 18	0 11	11 52	1 8	23 35	0 10	7 32	1 59	1 11	0 44	4 5	1 48	25 13	11 10	11 36	11 9	11 5	1 16	4 47
F 22	21 35	5 50	4 17	25 27	2 13	22 31	0 13	11 36	1 6	23 35	0 10	7 32	1 59	1 10	0 44	4 5	1 48	25 14	11 11	11 36	11 8	11 3	1 15	4 47
S 23	21 45	1 59	3 35	25 34	2 15	22 43	0 15	11 20	1 4	23 34	0 11	7 31	2 0	1 9	0 44	4 5	1 48	25 14	11 11	11 36	11 7	11 1	1 13	4 48
S 24	21 55	2n 0	2 43	25 40	2 16	22 55	0 18	11 4	1 3	23 34	0 11	7 30	2 0	1 9	0 44	4 4	1 48	25 14	11 12	11 37	11 6	10 59	1 11	4 48
M25	22 4	5 59	1 42	25 45	2 17	23 5	0 20	10 48	1 1	23 33	0 11	7 29	2 0	1 8	0 44	4 4	1 48	25 15	11 12	11 37	11 5	10 58	1 10	4 48
T 26	22 13	9 49	0 35	25 47	2 17	23 16	0 22	10 32	0 59	23 33	0 11	7 28	2 0	1 7	0 44	4 4	1 48	25 15	11 12	11 38	11 3	10 56	1 8	4 49
W27	22 21	13 18	0s35	25 48	2 16	23 25	0 25	10 16	0 58	23 32	0 11	7 28	2 1	1 7	0 44	4 3	1 48	25 16	11 13	11 38	11 2	10 54	1 6	4 49
T 28	22 29	16 12	1 46	25 48	2 16	23 34	0 27	9 59	0 56	23 31	0 11	7 27	2 1	1 6	0 44	4 3	1 48	25 16	11 13	11 37	11 1	10 52	1 5	4 49
F 29	22 36	18 14	2 53	25 46	2 14	23 42	0 29	9 43	0 54	23 31	0 11	7 26	2 1	1 5	0 44	4 3	1 47	25 17	11 14	11 36	11 0	10 51	1 3	4 50
S 30	22s43	19n12	3s50	25s42	2s12	23s49	0s32	9s26	0s53	23s30	0s11	7n26	2n 1	1n 5	0n44	4n 3	1s47	25n17	11n14	11s34	10s59	10s49	1n 2	4s50

Julian Day Number = 2164410.5, Delta T = 12m53s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'40, Lahiri = 12°53'41 Julian Calendar 1 Nov. 1213 == Greg. Calendar 8 Nov. 1213

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ASTRODIENST EPHEMERIS for the year 1213
geocentric

DECEMBER 1213 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 47	16♐15'25	2♋54	4♑26	23♐ 9	8♓37	7♑53	15♍59	29♍ 0	14°R23	20°R36	29°R59	28♎26	18♒21	16♍11	S 1
M 2	5 10 44	17°16'33	17°33	5°49	24°25	9°17	8° 7	16° 1	29° 2	14♈22	20♌35	29♎52	28°23	18°28	16°14	M 2
T 3	5 14 41	18°17'41	2♌14	7°10	25°40	9°58	8°20	16° 3	29° 3	14°22	20°35	29°44	28°20	18°34	16°16	T 3
W 4	5 18 37	19°18'50	16°50	8°28	26°55	10°38	8°34	16° 4	29° 5	14°21	20°34	29°38	28°17	18°41	16°19	W 4
T 5	5 22 34	20°20'00	1♍15	9°44	28°11	11°18	8°48	16° 6	29° 6	14°21	20°34	29°35	28°14	18°48	16°21	T 5
F 6	5 26 30	21°21'10	15°27	10°56	29°26	11°58	9° 1	16° 7	29° 7	14°20	20°33	29°D33	28°10	18°54	16°23	F 6
S 7	5 30 27	22°22'20	29°22	12° 5	0♑42	12°39	9°15	16° 9	29° 8	14°20	20°32	29°33	28° 7	19° 1	16°25	S 7
S 8	5 34 23	23°23'32	13♎ 3	13° 8	1°57	13°19	9°29	16°10	29° 9	14°20	20°32	29°34	28° 4	19° 8	16°27	S 8
M 9	5 38 20	24°24'44	26°29	14° 7	3°12	13°59	9°43	16°11	29°11	14°19	20°31	29°R35	28° 1	19°15	16°29	M 9
T 10	5 42 17	25°25'56	9♏42	15° 0	4°28	14°40	9°57	16°12	29°12	14°19	20°30	29°34	27°58	19°21	16°31	T 10
W11	5 46 13	26°27'09	22°43	15°46	5°43	15°20	10°10	16°13	29°12	14°19	20°30	29°31	27°54	19°28	16°33	W11
T 12	5 50 10	27°28'22	5♐33	16°24	6°59	16° 1	10°24	16°14	29°13	14°19	20°29	29°26	27°51	19°35	16°34	T 12
F 13	5 54 6	28°29'35	18°12	16°54	8°14	16°41	10°38	16°15	29°14	14°18	20°28	29°18	27°48	19°41	16°35	F 13
S 14	5 58 3	29°30'48	0♑41	17°14	9°29	17°22	10°52	16°16	29°15	14°18	20°27	29° 8	27°45	19°48	16°37	S 14
S 15	6 1 59	0♑32'02	13° 0	17°R24	10°45	18° 2	11° 6	16°16	29°16	14°18	20°26	28°56	27°42	19°55	16°38	S 15
M16	6 5 56	1°33'15	25°10	17°23	12° 0	18°43	11°20	16°17	29°16	14°18	20°25	28°43	27°39	20° 2	16°39	M16
T 17	6 9 52	2°34'28	7♒11	17°10	13°16	19°24	11°34	16°17	29°17	14°18	20°25	28°31	27°35	20° 8	16°40	T 17
W18	6 13 49	3°35'41	19° 5	16°45	14°31	20° 4	11°48	16°17	29°18	14°D18	20°24	28°21	27°32	20°15	16°41	W18
T 19	6 17 46	4°36'53	0♓55	16° 9	15°46	20°45	12° 2	16°R17	29°18	14°18	20°23	28°13	27°29	20°22	16°41	T 19
F 20	6 21 42	5°38'05	12°44	15°21	17° 2	21°26	12°16	16°17	29°19	14°18	20°22	28° 7	27°26	20°28	16°42	F 20
S 21	6 25 39	6°39'16	24°38	14°23	18°17	22° 6	12°30	16°17	29°19	14°18	20°21	28° 5	27°23	20°35	16°42	S 21
S 22	6 29 35	7°40'27	6♈40	13°17	19°32	22°47	12°44	16°17	29°19	14°18	20°20	28°D 4	27°20	20°42	16°43	S 22
M23	6 33 32	8°41'38	18°57	12° 4	20°47	23°28	12°58	16°16	29°20	14°18	20°19	28° 4	27°16	20°49	16°43	M23
T 24	6 37 28	9°42'47	1♉34	10°46	22° 3	24° 8	13°13	16°16	29°20	14°18	20°18	28°R 4	27°13	20°55	16°R43	T 24
W25	6 41 25	10°43'56	14°34	9°26	23°18	24°49	13°27	16°15	29°20	14°19	20°17	28° 3	27°10	21° 2	16°43	W25
T 26	6 45 21	11°45'05	28° 3	8° 8	24°33	25°30	13°41	16°15	29°20	14°19	20°16	28° 0	27° 7	21° 9	16°43	T 26
F 27	6 49 18	12°46'13	12♊ 1	6°52	25°48	26°11	13°55	16°14	29°20	14°19	20°14	27°54	27° 4	21°15	16°42	F 27
S 28	6 53 15	13°47'20	26°27	5°41	27° 4	26°51	14° 9	16°13	29°R20	14°19	20°13	27°45	27° 0	21°22	16°42	S 28
S 29	6 57 11	14°48'26	11♋15	4°37	28°19	27°32	14°23	16°12	29°20	14°20	20°12	27°34	26°57	21°29	16°41	S 29
M30	7 1 8	15°49'32	26°18	3°41	29°34	28°13	14°37	16°11	29°20	14°20	20°11	27°23	26°54	21°36	16°41	M30
T 31	7 5 4	16♑50'38	11♌26	2♑54	0♒49	28♓54	14♑51	16♍10	29♍20	14♈21	20♌10	27♎11	26♎51	21♒42	16♍40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s50	18n57	4s34	25s37	2s10	23s56	0s34	9s10	0s51	23s29	0s11	7n25	2n 2	1n 4	0n44	4n 3	1s47	25n18	11n14	11s31	10s58	10s47	1n 1	4s51
M 2	22 56	17 25	5 0	25 31	2 6	24 1	0 36	8 53	0 50	23 29	0 11	7 25	2 2	1 4	0 44	4 2	1 47	25 18	11 15	11 28	10 57	10 45	0 59	4 51
T 3	23 1	14 45	5 7	25 22	2 2	24 6	0 38	8 36	0 48	23 28	0 11	7 24	2 2	1 3	0 44	4 2	1 47	25 19	11 15	11 26	10 56	10 44	0 58	4 51
W 4	23 6	11 11	4 54	25 13	1 57	24 11	0 41	8 20	0 47	23 27	0 12	7 24	2 3	1 3	0 44	4 2	1 47	25 19	11 15	11 23	10 54	10 42	0 57	4 52
T 5	23 11	7 0	4 22	25 1	1 51	24 14	0 43	8 3	0 45	23 26	0 12	7 23	2 3	1 2	0 44	4 2	1 47	25 20	11 16	11 22	10 53	10 40	0 55	4 52
F 6	23 15	2 28	3 34	24 49	1 44	24 17	0 45	7 46	0 44	23 26	0 12	7 23	2 3	1 2	0 44	4 2	1 47	25 21	11 16	11 22	10 52	10 38	0 54	4 52
S 7	23 19	2s 7	2 35	24 35	1 36	24 19	0 47	7 29	0 42	23 25	0 12	7 23	2 3	1 1	0 44	4 2	1 47	25 21	11 16	11 22	10 51	10 37	0 53	4 53
S 8	23 22	6 31	1 28	24 20	1 27	24 21	0 49	7 12	0 41	23 24	0 12	7 23	2 4	1 1	0 44	4 2	1 47	25 22	11 17	11 22	10 50	10 35	0 52	4 53
M 9	23 25	10 31	0 17	24 4	1 17	24 21	0 51	6 55	0 39	23 23	0 12	7 22	2 4	1 0	0 44	4 2	1 47	25 22	11 17	11 22	10 49	10 33	0 51	4 53
T 10	23 28	13 56	0n54	23 47	1 6	24 21	0 53	6 38	0 38	23 22	0 12	7 22	2 4	1 0	0 44	4 2	1 47	25 23	11 18	11 22	10 48	10 31	0 50	4 54
W11	23 29	16 35	2 1	23 30	0 54	24 20	0 55	6 21	0 36	23 21	0 12	7 22	2 4	1 0	0 44	4 2	1 47	25 23	11 18	11 21	10 46	10 30	0 49	4 54
T 12	23 31	18 22	3 0	23 12	0 41	24 18	0 57	6 4	0 35	23 20	0 12	7 22	2 5	0 59	0 44	4 1	1 47	25 24	11 18	11 19	10 45	10 28	0 48	4 54
F 13	23 32	19 12	3 49	22 54	0 26	24 16	0 59	5 47	0 33	23 19	0 12	7 22	2 5	0 59	0 44	4 1	1 47	25 25	11 19	11 16	10 44	10 26	0 47	4 55
S 14	23 32	19 5	4 27	22 36	0 10	24 12	1 1	5 30	0 32	23 18	0 12	7 22	2 5	0 59	0 45	4 1	1 47	25 25	11 19	11 13	10 43	10 24	0 46	4 55
S 15	23 32	18 4	4 51	22 18	0n 7	24 8	1 3	5 13	0 31	23 17	0 13	7 22	2 6	0 59	0 45	4 1	1 47	25 26	11 19	11 8	10 42	10 23	0 46	4 56
M16	23 32	16 14	5 2	22 0	0 24	24 4	1 4	4 56	0 29	23 16	0 13	7 22	2 6	0 58	0 45	4 1	1 47	25 26	11 20	11 4	10 41	10 21	0 45	4 56
T 17	23 31	13 44	4 59	21 43	0 43	23 58	1 6	4 39	0 28	23 15	0 13	7 22	2 6	0 58	0 45	4 1	1 46	25 27	11 20	11 0	10 40	10 19	0 44	4 56
W18	23 29	10 40	4 43	21 27	1 2	23 52	1 8	4 21	0 27	23 13	0 13	7 22	2 6	0 58	0 45	4 2	1 46	25 28	11 20	10 56	10 38	10 17	0 44	4 57
T 19	23 27	7 13	4 15	21 12	1 22	23 45	1 9	4 4	0 25	23 12	0 13	7 23	2 7	0 58	0 45	4 2	1 46	25 28	11 21	10 53	10 37	10 16	0 43	4 57
F 20	23 25	3 28	3 36	20 59	1 41	23 37	1 11	3 47	0 24	23 11	0 13	7 23	2 7	0 58	0 45	4 2	1 46	25 29	11 21	10 51	10 36	10 14	0 43	4 57
S 21	23 22	0n26	2 48	20 46	2 0	23 29	1 12	3 30	0 23	23 10	0 13	7 23	2 7	0 57	0 45	4 2	1 46	25 29	11 21	10 50	10 35	10 12	0 42	4 58
S 22	23 19	4 22	1 51	20 35	2 18	23 20	1 14	3 12	0 21	23 9	0 13	7 24	2 8	0 57	0 45	4 2	1 46	25 30	11 22	10 50	10 34	10 10	0 42	4 58
M23	23 15	8 12	0 48	20 26	2 34	23 10	1 15	2 55	0 20	23 7	0 13	7 24	2 8	0 57	0 45	4 2	1 46	25 31	11 22	10 50	10 33	10 8	0 41	4 58
T 24	23 11	11 47	0s19	20 18	2 48	22 59	1 17	2 38	0 19	23 6	0 13	7 24	2 8	0 57	0 45	4 2	1 46	25 31	11 22	10 50	10 32	10 7	0 41	4 59
W25	23 6	14 54	1 26	20 12	3 1	22 48	1 18	2 20	0 18	23 5	0 13	7 25	2 8	0 57	0 45	4 2	1 46	25 32	11 22	10 50	10 30	10 5	0 41	4 59
T 26	23 1	17 21	2 32	20 7	3 11	22 36	1 19	2 3	0 16	23 3	0 14	7 25	2 9	0 57	0 45	4 2	1 46	25 33	11 23	10 48	10 29	10 3	0 40	4 59
F 27	22 55	18 51	3 30	20 3	3 18	22 23	1 21	1 46	0 15	23 2	0 14	7 26	2 9	0 57	0 45	4 2	1 46	25 33	11 23	10 46	10 28	10 1	0 40	5 0
S 28	22 49	19 12	4 18	20 2	3 23	22 10	1 22	1 28	0 14	23 1	0 14	7 27	2 9	0 57	0 45	4 3	1 46	25 34	11 23	10 43	10 27	10 0	0 40	5 0
S 29	22 43	18 16	4 49	20 2	3 26	21 56	1 23	1 11	0 13	22 59	0 14	7 27	2 9	0 57	0 45	4 3	1 46	25 35	11 24	10 39	10 26	9 58	0 40	5 0
M30	22 36	16 3	5 1	20 3	3 26	21 41	1 24	0 54	0 12	22 58	0 14	7 28	2 10	0 57	0 45	4 3	1 46	25 35	11 24	10 35	10 25	9 56	0 40	5 1
T 31	22s28	12n45	4s52	20s 6	3n25	21s26	1s25	0s36	0s11	22s56	0s14	7n29	2n10	0n57	0n45	4n 3	1s46	25n36	11n24	10s31	10s23	9s54	0n40	5s 1

Julian Day Number = 2164440.5, Delta T = 12m53s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'44, Lahiri = 12°53'45 Julian Calendar 1 Dec. 1213 == Greg. Calendar 8 Dec. 1213

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

JANUARY 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 9 1	17♉51'43	26♌28	2°R16	2♒ 4	29♓34	15♉ 5	16°R 8	29°R20	14♈21	20°R 9	27°R 2	26♎48	21♒49	16°R39	W 1
T 2	7 12 57	18°52'47	11♍15	1♉48	3°20	0♈15	15°19	16♍ 7	29♍19	14°22	20♌ 7	26♎55	26°45	21°56	16♍38	T 2
F 3	7 16 54	19°53'51	25°42	1°29	4°35	0°56	15°34	16° 5	29°19	14°22	20° 6	26°51	26°41	22° 2	16°37	F 3
S 4	7 20 50	20°54'54	9♎45	1°19	5°50	1°37	15°48	16° 4	29°19	14°23	20° 5	26°50	26°38	22° 9	16°36	S 4
S 5	7 24 47	21°55'57	23°26	1°D17	7° 5	2°17	16° 2	16° 2	29°18	14°23	20° 4	26°49	26°35	22°16	16°35	S 5
M 6	7 28 44	22°56'59	6♏45	1°23	8°20	2°58	16°16	16° 0	29°18	14°24	20° 2	26°49	26°32	22°22	16°33	M 6
T 7	7 32 40	23°58'01	19°45	1°37	9°35	3°39	16°30	15°58	29°17	14°24	20° 1	26°48	26°29	22°29	16°32	T 7
W 8	7 36 37	24°59'02	2♐31	1°57	10°50	4°20	16°44	15°56	29°16	14°25	20° 0	26°44	26°26	22°36	16°30	W 8
T 9	7 40 33	26° 0'02	15° 4	2°23	12° 5	5° 0	16°58	15°54	29°16	14°26	19°58	26°37	26°22	22°43	16°28	T 9
F 10	7 44 30	27° 1'02	27°26	2°56	13°20	5°41	17°12	15°52	29°15	14°27	19°57	26°27	26°19	22°49	16°26	F 10
S 11	7 48 26	28° 2'01	9♑41	3°33	14°35	6°22	17°26	15°50	29°14	14°27	19°56	26°15	26°16	22°56	16°24	S 11
S 12	7 52 23	29° 2'59	21°48	4°15	15°50	7° 3	17°40	15°47	29°13	14°28	19°54	26° 0	26°13	23° 3	16°22	S 12
M13	7 56 19	0♒ 3'56	3♒48	5° 1	17° 5	7°43	17°54	15°45	29°13	14°29	19°53	25°45	26°10	23° 9	16°20	M13
T 14	8 0 16	1° 4'51	15°44	5°51	18°20	8°24	18° 8	15°42	29°12	14°30	19°51	25°30	26° 6	23°16	16°18	T 14
W15	8 4 13	2° 5'46	27°36	6°45	19°35	9° 5	18°22	15°39	29°11	14°31	19°50	25°18	26° 3	23°23	16°16	W15
T 16	8 8 9	3° 6'39	9♓25	7°42	20°50	9°46	18°36	15°37	29°10	14°32	19°49	25° 7	26° 0	23°30	16°13	T 16
F 17	8 12 6	4° 7'31	21°15	8°41	22° 5	10°26	18°50	15°34	29° 9	14°33	19°47	25° 0	25°57	23°36	16°10	F 17
S 18	8 16 2	5° 8'21	3♈ 8	9°44	23°20	11° 7	19° 4	15°31	29° 7	14°34	19°46	24°56	25°54	23°43	16° 8	S 18
S 19	8 19 59	6° 9'10	15° 9	10°49	24°35	11°48	19°17	15°28	29° 6	14°35	19°44	24°54	25°51	23°50	16° 5	S 19
M20	8 23 55	7° 9'57	27°22	11°56	25°50	12°28	19°31	15°25	29° 5	14°36	19°43	24°D53	25°47	23°56	16° 2	M20
T 21	8 27 52	8°10'43	9♉54	13° 5	27° 5	13° 9	19°45	15°21	29° 4	14°37	19°41	24°R54	25°44	24° 3	15°59	T 21
W22	8 31 48	9°11'27	22°48	14°16	28°19	13°50	19°59	15°18	29° 2	14°38	19°40	24°53	25°41	24°10	15°56	W22
T 23	8 35 45	10°12'09	6♊ 9	15°29	29°34	14°30	20°12	15°15	29° 1	14°40	19°38	24°50	25°38	24°17	15°53	T 23
F 24	8 39 42	11°12'50	20° 1	16°44	0♓49	15°11	20°26	15°11	29° 0	14°41	19°37	24°45	25°35	24°23	15°50	F 24
S 25	8 43 38	12°13'29	4♋22	18° 0	2° 4	15°52	20°40	15° 8	28°58	14°42	19°35	24°38	25°32	24°30	15°46	S 25
S 26	8 47 35	13°14'07	19°11	19°18	3°18	16°32	20°53	15° 4	28°57	14°43	19°34	24°28	25°28	24°37	15°43	S 26
M27	8 51 31	14°14'42	4♌21	20°37	4°33	17°13	21° 7	15° 0	28°55	14°45	19°32	24°17	25°25	24°43	15°40	M27
T 28	8 55 28	15°15'16	19°40	21°58	5°47	17°53	21°20	14°57	28°53	14°46	19°31	24° 7	25°22	24°50	15°36	T 28
W29	8 59 24	16°15'49	4♍59	23°19	7° 2	18°34	21°34	14°53	28°52	14°47	19°29	23°58	25°19	24°57	15°32	W29
T 30	9 3 21	17°16'20	20° 5	24°42	8°17	19°15	21°47	14°49	28°50	14°49	19°28	23°51	25°16	25° 3	15°29	T 30
F 31	9 7 17	18♒16'50	4♎50	26♑ 7	9♓31	19♈55	22♉ 1	14♍45	28♍48	14♈50	19♌26	23♎48	25♎12	25♒10	15♍25	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s20	8n38	4s22	20s10	3n21	21s10	1s26	0s19	0s 9	22s55	0s14	7n29	2n10	0n58	0n45	4n 4	1s46	25n36	11n24	10s28	10s22	9s53	0n40	5s 1
T 2	22 12	4 3	3 36	20 16	3 16	20 54	1 27	0 2	0 8	22 53	0 14	7 30	2 11	0 58	0 45	4 4	1 46	25 37	11 25	10 25	10 21	9 51	0 40	5 2
F 3	22 3	0s40	2 37	20 22	3 10	20 37	1 27	0n16	0 7	22 52	0 14	7 31	2 11	0 58	0 45	4 4	1 46	25 38	11 25	10 24	10 20	9 49	0 40	5 2
S 4	21 54	5 14	1 29	20 30	3 2	20 19	1 28	0 33	0 6	22 50	0 14	7 32	2 11	0 58	0 45	4 4	1 45	25 38	11 25	10 23	10 19	9 47	0 40	5 2
S 5	21 45	9 25	0 18	20 38	2 54	20 1	1 29	0 50	0 5	22 49	0 15	7 33	2 11	0 58	0 45	4 5	1 45	25 39	11 25	10 23	10 18	9 45	0 41	5 2
M 6	21 35	13 0	0n52	20 47	2 45	19 42	1 29	1 7	0 4	22 47	0 15	7 34	2 12	0 59	0 45	4 5	1 45	25 40	11 26	10 23	10 17	9 44	0 41	5 3
T 7	21 24	15 51	1 58	20 56	2 35	19 22	1 30	1 25	0 3	22 46	0 15	7 35	2 12	0 59	0 45	4 5	1 45	25 40	11 26	10 22	10 15	9 42	0 41	5 3
W 8	21 13	17 52	2 56	21 6	2 25	19 2	1 30	1 42	0 2	22 44	0 15	7 36	2 12	0 59	0 45	4 5	1 45	25 41	11 26	10 21	10 14	9 40	0 42	5 3
T 9	21 2	18 58	3 45	21 16	2 15	18 42	1 31	1 59	0 1	22 42	0 15	7 37	2 12	0 59	0 46	4 6	1 45	25 42	11 26	10 19	10 13	9 38	0 42	5 4
F 10	20 50	19 8	4 22	21 26	2 5	18 20	1 31	2 16	0n 0	22 41	0 15	7 38	2 13	1 0	0 46	4 6	1 45	25 42	11 27	10 15	10 12	9 37	0 43	5 4
S 11	20 38	18 25	4 47	21 35	1 54	17 59	1 31	2 33	0 1	22 39	0 15	7 39	2 13	1 0	0 46	4 7	1 45	25 43	11 27	10 10	10 11	9 35	0 43	5 4
S 12	20 26	16 51	4 58	21 45	1 44	17 37	1 32	2 51	0 2	22 37	0 15	7 40	2 13	1 0	0 46	4 7	1 45	25 44	11 27	10 5	10 10	9 33	0 44	5 4
M13	20 13	14 35	4 56	21 54	1 33	17 14	1 32	3 8	0 3	22 35	0 15	7 41	2 13	1 1	0 46	4 7	1 45	25 44	11 27	10 0	10 8	9 31	0 44	5 4
T 14	20 0	11 42	4 41	22 2	1 23	16 51	1 32	3 25	0 4	22 34	0 16	7 43	2 14	1 1	0 46	4 8	1 45	25 45	11 27	9 54	10 7	9 29	0 45	5 5
W15	19 47	8 23	4 14	22 10	1 12	16 27	1 32	3 42	0 5	22 32	0 16	7 44	2 14	1 2	0 46	4 8	1 45	25 46	11 28	9 49	10 6	9 28	0 46	5 5
T 16	19 33	4 45	3 36	22 17	1 2	16 3	1 32	3 59	0 6	22 30	0 16	7 45	2 14	1 2	0 46	4 9	1 45	25 46	11 28	9 46	10 5	9 26	0 46	5 5
F 17	19 18	0 55	2 48	22 24	0 52	15 39	1 32	4 16	0 7	22 28	0 16	7 47	2 14	1 3	0 46	4 9	1 45	25 47	11 28	9 43	10 4	9 24	0 47	5 5
S 18	19 4	2n58	1 53	22 29	0 42	15 14	1 31	4 32	0 8	22 26	0 16	7 48	2 15	1 3	0 46	4 9	1 45	25 48	11 28	9 41	10 3	9 22	0 48	5 6
S 19	18 49	6 47	0 51	22 34	0 32	14 49	1 31	4 49	0 9	22 25	0 16	7 49	2 15	1 4	0 46	4 10	1 45	25 48	11 28	9 41	10 2	9 20	0 49	5 6
M20	18 33	10 23	0s13	22 38	0 22	14 23	1 31	5 6	0 10	22 23	0 16	7 51	2 15	1 4	0 46	4 10	1 45	25 49	11 28	9 41	10 0	9 19	0 50	5 6
T 21	18 18	13 36	1 19	22 41	0 13	13 57	1 30	5 23	0 11	22 21	0 16	7 52	2 15	1 5	0 46	4 11	1 45	25 49	11 29	9 41	9 59	9 17	0 51	5 6
W22	18 2	16 15	2 22	22 42	0 4	13 31	1 30	5 40	0 12	22 19	0 16	7 54	2 15	1 5	0 46	4 11	1 44	25 50	11 29	9 40	9 58	9 15	0 52	5 6
T 23	17 46	18 8	3 20	22 43	0s 5	13 4	1 29	5 56	0 13	22 17	0 17	7 55	2 16	1 6	0 46	4 12	1 44	25 51	11 29	9 39	9 57	9 13	0 53	5 6
F 24	17 29	19 2	4 9	22 43	0 14	12 37	1 29	6 13	0 14	22 15	0 17	7 57	2 16	1 6	0 46	4 12	1 44	25 51	11 29	9 38	9 56	9 11	0 54	5 7
S 25	17 12	18 45	4 44	22 41	0 22	12 9	1 28	6 29	0 14	22 13	0 17	7 58	2 16	1 7	0 46	4 13	1 44	25 52	11 29	9 35	9 55	9 10	0 55	5 7
S 26	16 55	17 12	5 1	22 39	0 30	11 42	1 27	6 46	0 15	22 11	0 17	8 0	2 16	1 8	0 46	4 13	1 44	25 53	11 29	9 31	9 53	9 8	0 56	5 7
M27	16 37	14 26	4 57	22 35	0 38	11 14	1 27	7 2	0 16	22 9	0 17	8 1	2 16	1 8	0 46	4 14	1 44	25 53	11 29	9 27	9 52	9 6	0 58	5 7
T 28	16 20	10 39	4 33	22 29	0 46	10 45	1 26	7 19	0 17	22 7	0 17	8 3	2 17	1 9	0 46	4 14	1 44	25 54	11 29	9 23	9 51	9 4	0 59	5 7
W29	16 2	6 11	3 49	22 23	0 53	10 17	1 25	7 35	0 18	22 5	0 17	8 5	2 17	1 10	0 46	4 15	1 44	25 54	11 30	9 20	9 50	9 2	1 0	5 7
T 30	15 43	1 21	2 49	22 15	1 0	9 48	1 24	7 51	0 19	22 3	0 17	8 6	2 17	1 10	0 46	4 16	1 44	25 55	11 30	9 18	9 49	9 1	1 2	5 7
F 31	15s25	3s26	1s39	22s 6	1s 7	9s19	1s23	8n 7	0n19	22s 1	0s17	8n 8	2n17	1n11	0n46	4n16	1s44	25n55	11n30	9s16	9s48	8s59	1n 3	5s 7

Julian Day Number = 2164471.5, Delta T = 12m53s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'49, Lahiri = 12°53'49 Julian Calendar 1 Jan. 1214 == Greg. Calendar 8 Jan. 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

FEBRUARY 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 14	19♒17'18	19♎ 9	27♑32	10♓45	20♈36	22♑14	14°R41	28°R47	14♈51	19°R25	23°D46	25♎ 9	25♒17	15°R21	S 1
S 2	9 15 11	20°17'45	3♏ 0	28°59	12° 0	21°16	22°28	14♍37	28♍45	14°53	19♌23	23♎46	25° 6	25°24	15♍17	S 2
M 3	9 19 7	21°18'11	16°25	0♒26	13°14	21°57	22°41	14°33	28°43	14°54	19°22	23°R47	25° 3	25°30	15°13	M 3
T 4	9 23 4	22°18'35	29°26	1°55	14°29	22°37	22°54	14°29	28°41	14°56	19°20	23°47	25° 0	25°37	15° 9	T 4
W 5	9 27 0	23°18'58	12♐ 8	3°25	15°43	23°18	23° 7	14°25	28°39	14°57	19°19	23°45	24°57	25°44	15° 5	W 5
T 6	9 30 57	24°19'19	24°33	4°56	16°57	23°58	23°20	14°20	28°37	14°59	19°17	23°41	24°53	25°50	15° 1	T 6
F 7	9 34 53	25°19'39	6♑46	6°28	18°12	24°38	23°33	14°16	28°35	15° 1	19°16	23°34	24°50	25°57	14°57	F 7
S 8	9 38 50	26°19'57	18°51	8° 1	19°26	25°19	23°46	14°12	28°33	15° 2	19°14	23°25	24°47	26° 4	14°52	S 8
S 9	9 42 46	27°20'14	0♒49	9°35	20°40	25°59	23°59	14° 7	28°31	15° 4	19°13	23°14	24°44	26°10	14°48	S 9
M10	9 46 43	28°20'29	12°42	11°10	21°54	26°40	24°12	14° 3	28°29	15° 5	19°11	23° 3	24°41	26°17	14°44	M10
T 11	9 50 40	29°20'42	24°34	12°46	23° 9	27°20	24°25	13°58	28°27	15° 7	19°10	22°52	24°38	26°24	14°39	T 11
W12	9 54 36	0♓20'53	6♓24	14°23	24°23	28° 0	24°38	13°54	28°25	15° 9	19° 8	22°42	24°34	26°31	14°35	W12
T 13	9 58 33	1°21'03	18°15	16° 1	25°37	28°41	24°51	13°49	28°23	15°11	19° 7	22°35	24°31	26°37	14°30	T 13
F 14	10 2 29	2°21'10	0♈ 9	17°40	26°51	29°21	25° 3	13°45	28°20	15°12	19° 5	22°30	24°28	26°44	14°26	F 14
S 15	10 6 26	3°21'15	12° 7	19°20	28° 5	0♉ 1	25°16	13°40	28°18	15°14	19° 4	22°27	24°25	26°51	14°21	S 15
S 16	10 10 22	4°21'19	24°13	21° 2	29°19	0°41	25°29	13°35	28°16	15°16	19° 2	22°D26	24°22	26°57	14°17	S 16
M17	10 14 19	5°21'20	6♉30	22°44	0♈33	1°22	25°41	13°31	28°13	15°18	19° 1	22°27	24°18	27° 4	14°12	M17
T 18	10 18 15	6°21'19	19° 3	24°28	1°47	2° 2	25°53	13°26	28°11	15°20	19° 0	22°29	24°15	27°11	14° 7	T 18
W19	10 22 12	7°21'16	1♊54	26°13	3° 0	2°42	26° 6	13°21	28° 9	15°21	18°58	22°R30	24°12	27°17	14° 3	W19
T 20	10 26 9	8°21'10	15° 9	27°58	4°14	3°22	26°18	13°17	28° 6	15°23	18°57	22°29	24° 9	27°24	13°58	T 20
F 21	10 30 5	9°21'03	28°51	29°46	5°28	4° 3	26°30	13°12	28° 4	15°25	18°55	22°28	24° 6	27°31	13°53	F 21
S 22	10 34 2	10°20'53	13♋ 0	1♓34	6°42	4°43	26°42	13° 7	28° 2	15°27	18°54	22°24	24° 3	27°38	13°49	S 22
S 23	10 37 58	11°20'41	27°35	3°23	7°55	5°23	26°54	13° 2	27°59	15°29	18°53	22°19	23°59	27°44	13°44	S 23
M24	10 41 55	12°20'26	12♌32	5°14	9° 9	6° 3	27° 6	12°58	27°57	15°31	18°51	22°13	23°56	27°51	13°39	M24
T 25	10 45 51	13°20'10	27°44	7° 5	10°22	6°43	27°18	12°53	27°54	15°33	18°50	22° 7	23°53	27°58	13°34	T 25
W26	10 49 48	14°19'51	13♍ 0	8°58	11°36	7°23	27°30	12°48	27°52	15°35	18°48	22° 2	23°50	28° 4	13°30	W26
T 27	10 53 44	15°19'30	28° 9	10°52	12°49	8° 3	27°42	12°44	27°49	15°37	18°47	21°58	23°47	28°11	13°25	T 27
F 28	10 57 41	16♓19'07	13♎ 2	12♓47	14♈ 2	8♉43	27♑53	12♍39	27♍47	15♈39	18♌46	21♎57	23♎43	28♒18	13♍20	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	15s 6	7s54	0s25	21s56	1s13	8s49	1s21	8n23	0n20	21s59	0s18	8n10	2n17	1n12	0n46	4n17	1s44	25n56	11n30	9s16	9s46	8s57	1n 4	5s 7	
S 2	14 47	11 48	0n49	21 44	1 19	8 20	1 20	8 39	0 21	21 57	0 18	8 12	2 18	1 12	0 46	4 17	1 44	25 57	11 30	9 16	9 45	8 55	1 6	5 7	
M 3	14 28	14 56	1 58	21 31	1 25	7 50	1 19	8 55	0 22	21 55	0 18	8 13	2 18	1 13	0 46	4 18	1 44	25 57	11 30	9 16	9 44	8 53	1 7	5 7	
T 4	14 8	17 13	2 58	21 17	1 30	7 20	1 18	9 11	0 23	21 53	0 18	8 15	2 18	1 14	0 46	4 19	1 44	25 58	11 30	9 16	9 43	8 52	1 9	5 7	
W 5	13 48	18 34	3 48	21 1	1 36	6 49	1 16	9 27	0 23	21 51	0 18	8 17	2 18	1 15	0 46	4 19	1 44	25 58	11 30	9 15	9 42	8 50	1 11	5 7	
T 6	13 28	18 59	4 27	20 44	1 40	6 19	1 15	9 43	0 24	21 49	0 18	8 19	2 18	1 16	0 46	4 20	1 44	25 59	11 30	9 14	9 41	8 48	1 12	5 7	
F 7	13 8	18 31	4 52	20 26	1 45	5 48	1 13	9 58	0 25	21 46	0 18	8 21	2 18	1 16	0 46	4 21	1 44	25 59	11 30	9 11	9 39	8 46	1 14	5 7	
S 8	12 47	17 12	5 4	20 6	1 49	5 18	1 12	10 14	0 26	21 44	0 18	8 22	2 18	1 17	0 46	4 21	1 44	26 0	11 30	9 8	9 38	8 44	1 15	5 7	
S 9	12 27	15 9	5 2	19 44	1 53	4 47	1 10	10 29	0 26	21 42	0 19	8 24	2 19	1 18	0 46	4 22	1 44	26 0	11 30	9 4	9 37	8 43	1 17	5 7	
M10	12 6	12 28	4 47	19 21	1 56	4 16	1 8	10 45	0 27	21 40	0 19	8 26	2 19	1 19	0 46	4 23	1 44	26 1	11 30	9 0	9 36	8 41	1 19	5 7	
T 11	11 45	9 18	4 20	18 57	1 59	3 45	1 6	11 0	0 28	21 38	0 19	8 28	2 19	1 20	0 46	4 23	1 44	26 1	11 30	8 56	9 35	8 39	1 21	5 7	
W12	11 24	5 46	3 41	18 32	2 2	3 14	1 4	11 15	0 28	21 36	0 19	8 30	2 19	1 21	0 47	4 24	1 44	26 2	11 30	8 52	9 34	8 37	1 22	5 7	
T 13	11 2	2 0	2 53	18 4	2 4	2 42	1 3	11 30	0 29	21 34	0 19	8 32	2 19	1 22	0 47	4 25	1 43	26 2	11 30	8 49	9 32	8 35	1 24	5 7	
F 14	10 41	1n51	1 57	17 36	2 6	2 11	1 1	11 45	0 30	21 31	0 19	8 34	2 19	1 22	0 47	4 25	1 43	26 3	11 30	8 47	9 31	8 34	1 26	5 7	
S 15	10 19	5 40	0 55	17 6	2 7	1 40	0 59	12 0	0 31	21 29	0 19	8 35	2 19	1 23	0 47	4 26	1 43	26 3	11 30	8 46	9 30	8 32	1 28	5 7	
S 16	9 57	9 17	0s10	16 34	2 8	1 8	0 56	12 15	0 31	21 27	0 19	8 37	2 19	1 24	0 47	4 27	1 43	26 4	11 30	8 46	9 29	8 30	1 30	5 7	
M17	9 35	12 33	1 15	16 1	2 9	0 37	0 54	12 30	0 32	21 25	0 20	8 39	2 20	1 25	0 47	4 28	1 43	26 4	11 30	8 46	9 28	8 28	1 32	5 7	
T 18	9 13	15 20	2 19	15 27	2 9	0 5	0 52	12 44	0 32	21 23	0 20	8 41	2 20	1 26	0 47	4 28	1 43	26 5	11 30	8 47	9 27	8 26	1 33	5 7	
W19	8 51	17 24	3 17	14 51	2 9	0n26	0 50	12 59	0 33	21 21	0 20	8 43	2 20	1 27	0 47	4 29	1 43	26 5	11 30	8 47	9 25	8 25	1 35	5 6	
T 20	8 28	18 37	4 7	14 14	2 8	0 58	0 48	13 13	0 34	21 18	0 20	8 45	2 20	1 28	0 47	4 30	1 43	26 6	11 30	8 47	9 24	8 23	1 37	5 6	
F 21	8 6	18 48	4 44	13 35	2 7	1 29	0 45	13 27	0 34	21 16	0 20	8 47	2 20	1 29	0 47	4 31	1 43	26 6	11 30	8 47	9 23	8 21	1 39	5 6	
S 22	7 43	17 50	5 6	12 55	2 5	2 1	0 43	13 42	0 35	21 14	0 20	8 49	2 20	1 30	0 47	4 31	1 43	26 6	11 30	8 45	9 22	8 19	1 41	5 6	
S 23	7 20	15 41	5 9	12 13	2 3	2 32	0 40	13 56	0 36	21 12	0 20	8 51	2 20	1 31	0 47	4 32	1 43	26 7	11 30	8 43	9 21	8 17	1 43	5 6	
M24	6 58	12 28	4 51	11 30	2 1	3 4	0 38	14 10	0 36	21 10	0 21	8 52	2 20	1 32	0 47	4 33	1 43	26 7	11 30	8 41	9 20	8 15	1 45	5 5	
T 25	6 35	8 22	4 12	10 46	1 57	3 35	0 35	14 24	0 37	21 7	0 21	8 54	2 20	1 33	0 47	4 34	1 43	26 8	11 30	8 39	9 18	8 14	1 47	5 5	
W26	6 12	3 41	3 16	10 0	1 54	4 6	0 33	14 37	0 37	21 5	0 21	8 56	2 20	1 34	0 47	4 35	1 43	26 8	11 30	8 37	9 17	8 12	1 49	5 5	
T 27	5 48	1s11	2 6	9 13	1 50	4 37	0 30	14 51	0 38	21 3	0 21	8 58	2 20	1 35	0 47	4 35	1 43	26 8	11 30	8 36	9 16	8 10	1 51	5 5	
F 28	5s25	5s55	0s48	8s24	1s45	5n 8	0s28	15n 4	0n39	21s 1	0s21	9n 0	2n20	1n36	0n47	4n36	1s43	26n 9	11n30	8s35	9s15	8s 8	1n53	5s 4	

Julian Day Number = 2164502.5, Delta T = 12m53s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'53, Lahiri = 12°53'53 Julian Calendar 1 Feb. 1214 == Greg. Calendar 8 Feb. 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

MARCH 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 37	17♓18'42	27♎33	14♓44	15♈16	9♉23	28♉ 5	12°R34	27°R44	15♈41	18°R44	21°D56	23♎40	28♒24	13°R16	S 1
S 2	11 5 34	18°18'15	11♏36	16°41	16°29	10° 3	28°16	12♍29	27♍42	15°43	18♌43	21♎57	23°37	28°31	13♍11	S 2
M 3	11 9 31	19°17'47	25°12	18°39	17°42	10°43	28°28	12°25	27°39	15°45	18°42	21°59	23°34	28°38	13° 6	M 3
T 4	11 13 27	20°17'17	8♐21	20°39	18°55	11°23	28°39	12°20	27°37	15°47	18°41	22° 0	23°31	28°45	13° 1	T 4
W 5	11 17 24	21°16'45	21° 7	22°39	20° 9	12° 3	28°50	12°15	27°34	15°49	18°39	22°R 1	23°28	28°51	12°57	W 5
T 6	11 21 20	22°16'11	3♑34	24°40	21°22	12°43	29° 1	12°11	27°31	15°51	18°38	22° 0	23°24	28°58	12°52	T 6
F 7	11 25 17	23°15'36	15°46	26°42	22°35	13°22	29°12	12° 6	27°29	15°54	18°37	21°58	23°21	29° 5	12°47	F 7
S 8	11 29 13	24°14'58	27°46	28°44	23°48	14° 2	29°23	12° 1	27°26	15°56	18°36	21°55	23°18	29°11	12°43	S 8
S 9	11 33 10	25°14'19	9♒40	0♈46	25° 0	14°42	29°34	11°57	27°24	15°58	18°35	21°51	23°15	29°18	12°38	S 9
M10	11 37 6	26°13'38	21°31	2°48	26°13	15°22	29°45	11°52	27°21	16° 0	18°34	21°46	23°12	29°25	12°34	M10
T 11	11 41 3	27°12'54	3♓21	4°51	27°26	16° 2	29°56	11°48	27°18	16° 2	18°32	21°42	23° 9	29°31	12°29	T 11
W12	11 45 0	28°12'09	15°12	6°52	28°39	16°41	0♒ 6	11°43	27°16	16° 4	18°31	21°38	23° 5	29°38	12°25	W12
T 13	11 48 56	29°11'22	27° 8	8°53	29°52	17°21	0°17	11°39	27°13	16° 6	18°30	21°35	23° 2	29°45	12°20	T 13
F 14	11 52 53	0♈10'33	9♈ 9	10°53	1♉ 4	18° 1	0°27	11°35	27°11	16° 9	18°29	21°34	22°59	29°52	12°16	F 14
S 15	11 56 49	1° 9'41	21°18	12°51	2°17	18°41	0°37	11°30	27° 8	16°11	18°28	21°D33	22°56	29°58	12°12	S 15
S 16	12 0 46	2° 8'48	3♉36	14°48	3°29	19°20	0°47	11°26	27° 5	16°13	18°27	21°33	22°53	0♓ 5	12° 7	S 16
M17	12 4 42	3° 7'52	16° 5	16°42	4°42	20° 0	0°57	11°22	27° 3	16°15	18°26	21°35	22°49	0°12	12° 3	M17
T 18	12 8 39	4° 6'54	28°48	18°33	5°54	20°40	1° 7	11°18	27° 0	16°17	18°25	21°36	22°46	0°18	11°59	T 18
W19	12 12 35	5° 5'54	11♊47	20°22	7° 6	21°19	1°17	11°13	26°58	16°20	18°24	21°37	22°43	0°25	11°55	W19
T 20	12 16 32	6° 4'51	25° 5	22° 7	8°18	21°59	1°26	11° 9	26°55	16°22	18°23	21°38	22°40	0°32	11°51	T 20
F 21	12 20 29	7° 3'46	8♋42	23°48	9°31	22°38	1°36	11° 5	26°53	16°24	18°22	21°R38	22°37	0°38	11°47	F 21
S 22	12 24 25	8° 2'39	22°41	25°25	10°43	23°18	1°45	11° 1	26°50	16°26	18°21	21°38	22°34	0°45	11°43	S 22
S 23	12 28 22	9° 1'29	7♌ 0	26°58	11°55	23°57	1°55	10°57	26°48	16°29	18°21	21°37	22°30	0°52	11°39	S 23
M24	12 32 18	10° 0'17	21°37	28°27	13° 7	24°37	2° 4	10°54	26°45	16°31	18°20	21°36	22°27	0°58	11°35	M24
T 25	12 36 15	10°59'03	6♍26	29°50	14°19	25°16	2°13	10°50	26°43	16°33	18°19	21°34	22°24	1° 5	11°31	T 25
W26	12 40 11	11°57'47	21°23	1♉ 9	15°30	25°56	2°22	10°46	26°40	16°35	18°18	21°33	22°21	1°12	11°28	W26
T 27	12 44 8	12°56'28	6♎17	2°22	16°42	26°35	2°31	10°42	26°38	16°38	18°17	21°33	22°18	1°19	11°24	T 27
F 28	12 48 4	13°55'07	21° 2	3°30	17°54	27°14	2°39	10°39	26°35	16°40	18°17	21°D32	22°14	1°25	11°21	F 28
S 29	12 52 1	14°53'44	5♏30	4°33	19° 5	27°54	2°48	10°35	26°33	16°42	18°16	21°33	22°11	1°32	11°17	S 29
S 30	12 55 57	15°52'20	19°37	5°30	20°17	28°33	2°56	10°32	26°30	16°44	18°15	21°33	22° 8	1°39	11°14	S 30
M31	12 59 54	16♈50'54	3♐18	6♉21	21♉28	29♉12	3♒ 5	10♍29	26♍28	16♈47	18♌15	21♎33	22♎ 5	1♓45	11♍11	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s 2	10s10	0n31	7s34	1s40	5n39	0s25	15n18	0n39	20s59	0s21	9n 2	2n20	1n37	0n47	4n37	1s43	26n 9	11n30	8s35	9s14	8s 6	1n56	5s 4	S 1
S 2	4 39	13 42	1 45	6 43	1 34	6 10	0 22	15 31	0 40	20 57	0 21	9 4	2 20	1 38	0 47	4 38	1 43	26 9	11 29	8 35	9 12	8 4	1 58	5 4	S 2
M 3	4 15	16 22	2 52	5 51	1 27	6 41	0 19	15 44	0 40	20 54	0 22	9 6	2 20	1 39	0 47	4 39	1 43	26 10	11 29	8 36	9 11	8 3	2 0	5 3	M 3
T 4	3 52	18 3	3 47	4 57	1 20	7 11	0 17	15 57	0 41	20 52	0 22	9 7	2 20	1 40	0 47	4 39	1 43	26 10	11 29	8 36	9 10	8 1	2 2	5 3	T 4
W 5	3 28	18 46	4 29	4 3	1 13	7 42	0 14	16 10	0 41	20 50	0 22	9 9	2 20	1 41	0 47	4 40	1 43	26 10	11 29	8 37	9 9	7 59	2 4	5 3	W 5
T 6	3 5	18 32	4 57	3 7	1 5	8 12	0 11	16 23	0 42	20 48	0 22	9 11	2 20	1 42	0 47	4 41	1 43	26 11	11 29	8 36	9 8	7 57	2 6	5 2	T 6
F 7	2 41	17 27	5 11	2 11	0 56	8 42	0 8	16 36	0 42	20 46	0 22	9 13	2 20	1 43	0 47	4 42	1 43	26 11	11 29	8 36	9 7	7 55	2 8	5 2	F 7
S 8	2 18	15 36	5 12	1 14	0 47	9 12	0 5	16 48	0 43	20 44	0 22	9 15	2 20	1 44	0 47	4 43	1 43	26 11	11 29	8 34	9 5	7 54	2 10	5 2	S 8
S 9	1 54	13 6	4 58	0 16	0 38	9 41	0 2	17 0	0 43	20 42	0 22	9 16	2 20	1 45	0 47	4 44	1 43	26 11	11 29	8 33	9 4	7 52	2 12	5 1	S 9
M10	1 30	10 5	4 32	0n42	0 28	10 11	0n 1	17 13	0 44	20 39	0 23	9 18	2 20	1 46	0 47	4 44	1 43	26 12	11 29	8 31	9 3	7 50	2 14	5 1	M10
T 11	1 7	6 40	3 55	1 40	0 17	10 40	0 4	17 25	0 44	20 37	0 23	9 20	2 20	1 47	0 47	4 45	1 43	26 12	11 28	8 29	9 2	7 48	2 16	5 1	T 11
W12	0 43	2 59	3 7	2 38	0 6	11 9	0 7	17 37	0 45	20 35	0 23	9 21	2 20	1 48	0 47	4 46	1 43	26 12	11 28	8 28	9 1	7 46	2 18	5 0	W12
T 13	0 19	0n51	2 11	3 37	0n 5	11 37	0 10	17 49	0 45	20 33	0 23	9 23	2 20	1 49	0 47	4 47	1 43	26 12	11 28	8 27	8 59	7 44	2 21	5 0	T 13
F 14	0n 4	4 41	1 8	4 34	0 16	12 6	0 13	18 0	0 46	20 31	0 23	9 25	2 20	1 50	0 47	4 48	1 43	26 13	11 28	8 26	8 58	7 43	2 23	4 59	F 14
S 15	0 28	8 22	0 1	5 31	0 28	12 34	0 16	18 12	0 46	20 29	0 23	9 26	2 20	1 51	0 47	4 49	1 43	26 13	11 28	8 26	8 57	7 41	2 25	4 59	S 15
S 16	0 51	11 44	1s 6	6 27	0 39	13 2	0 19	18 23	0 47	20 27	0 24	9 28	2 20	1 52	0 47	4 49	1 43	26 13	11 28	8 26	8 56	7 39	2 27	4 58	S 16
M17	1 15	14 37	2 12	7 22	0 51	13 29	0 22	18 34	0 47	20 25	0 24	9 30	2 20	1 54	0 47	4 50	1 43	26 13	11 27	8 27	8 55	7 37	2 29	4 58	M17
T 18	1 39	16 52	3 12	8 16	1 3	13 57	0 25	18 46	0 48	20 23	0 24	9 31	2 20	1 55	0 47	4 51	1 43	26 13	11 27	8 27	8 54	7 35	2 31	4 57	T 18
W19	2 2	18 16	4 3	9 8	1 14	14 23	0 28	18 56	0 48	20 21	0 24	9 33	2 20	1 56	0 47	4 52	1 43	26 13	11 27	8 28	8 52	7 33	2 33	4 57	W19
T 20	2 25	18 44	4 43	9 58	1 26	14 50	0 32	19 7	0 49	20 19	0 24	9 34	2 20	1 57	0 47	4 53	1 43	26 14	11 27	8 28	8 51	7 32	2 35	4 56	T 20
F 21	2 49	18 7	5 9	10 46	1 37	15 16	0 35	19 18	0 49	20 17	0 24	9 36	2 20	1 58	0 47	4 54	1 43	26 14	11 27	8 28	8 50	7 30	2 37	4 56	F 21
S 22	3 12	16 25	5 17	11 32	1 47	15 42	0 38	19 28	0 50	20 15	0 25	9 37	2 20	1 59	0 47	4 55	1 43	26 14	11 27	8 28	8 49	7 28	2 39	4 55	S 22
S 23	3 35	13 40	5 5	12 16	1 58	16 7	0 41	19 39	0 50	20 13	0 25	9 39	2 20	2 0	0 47	4 56	1 43	26 14	11 26	8 28	8 48	7 26	2 41	4 55	S 23
M24	3 59	10 2	4 34	12 57	2 7	16 32	0 44	19 49	0 50	20 11	0 25	9 40	2 20	2 1	0 47	4 56	1 43	26 14	11 26	8 27	8 46	7 24	2 43	4 54	M24
T 25	4 22	5 42	3 45	13 35	2 16	16 57	0 47	19 59	0 51	20 9	0 25	9 41	2 20	2 2	0 47	4 57	1 43	26 14	11 26	8 27	8 45	7 22	2 45	4 54	T 25
W26	4 45	0 59	2 40	14 11	2 25	17 21	0 50	20 9	0 51	20 8	0 25	9 43	2 20	2 3	0 47	4 58	1 43	26 14	11 26	8 26	8 44	7 21	2 46	4 53	W26
T 27	5 8	3s47	1 24	14 44	2 32	17 45	0 53	20 19	0 52	20 6	0 26	9 44	2 20	2 3	0 47	4 59	1 43	26 14	11 26	8 26	8 43	7 19	2 48	4 53	T 27
F 28	5 31	8 17	0 3	15 13	2 39	18 8	0 56	20 28	0 52	20 4	0 26	9 45	2 20	2 4	0 47	5 0	1 43	26 14	11 25	8 26	8 42	7 17	2 50	4 52	F 28
S 29	5 54	12 12	1n17	15 40	2 45	18 31	0 59	20 37	0 52	20 2	0 26	9 47	2 19	2 5	0 47	5 1	1 43	26 14	11 25	8 26	8 40	7 15	2 52	4 52	S 29
S 30	6 16	15 18	2 30	16 4	2 50	18 54	1 3	20 47	0 53	20 0	0 26	9 48	2 19	2 6	0 47	5 2	1 43	26 14	11 25	8 26	8 39	7 13	2 54	4 51	S 30
M31	6n39	17s26	3n32	16n25	2n54	19n16	1n 6	20n56	0n53	19s59	0s26	9n49	2n19	2n 7	0n47	5n 2	1s43	26n14	11n25	8s26	8s38	7s11	2n56	4s50	M31

Julian Day Number = 2164530.5, Delta T = 12m53s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°46'57, Lahiri = 12°53'57 Julian Calendar 1 March 1214 == Greg. Calendar 8 March 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

APRIL 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 3 51	17♈49'26	16♐34	7♉ 7	22♉39	29♉52	3♒13	10°R25	26°R26	16♈49	18°R14	21♎34	22♎ 2	1♓52	11°R 7	T 1
W 2	13 7 47	18°47'56	29°27	7°46	23°51	0♊31	3°21	10♍22	26♍23	16°51	18♌13	21°34	21°59	1°59	11♍ 4	W 2
T 3	13 11 44	19°46'25	11♑58	8°20	25° 2	1°10	3°29	10°19	26°21	16°54	18°13	21°34	21°55	2° 5	11° 1	T 3
F 4	13 15 40	20°44'52	24°13	8°48	26°13	1°49	3°36	10°16	26°19	16°56	18°12	21°R34	21°52	2°12	10°58	F 4
S 5	13 19 37	21°43'17	6♒14	9°10	27°24	2°29	3°44	10°13	26°16	16°58	18°12	21°D34	21°49	2°19	10°55	S 5
S 6	13 23 33	22°41'41	18° 8	9°26	28°35	3° 8	3°52	10°10	26°14	17° 0	18°11	21°34	21°46	2°25	10°53	S 6
M 7	13 27 30	23°40'03	29°58	9°36	29°46	3°47	3°59	10° 7	26°12	17° 3	18°11	21°35	21°43	2°32	10°50	M 7
T 8	13 31 26	24°38'23	11♓49	9°R41	0♊56	4°26	4° 6	10° 5	26°10	17° 5	18°10	21°35	21°40	2°39	10°47	T 8
W 9	13 35 23	25°36'42	23°43	9°40	2° 7	5° 5	4°13	10° 2	26° 8	17° 7	18°10	21°35	21°36	2°46	10°45	W 9
T 10	13 39 20	26°34'59	5♈45	9°33	3°18	5°44	4°20	9°59	26° 5	17° 9	18° 9	21°36	21°33	2°52	10°43	T 10
F 11	13 43 16	27°33'14	17°56	9°22	4°28	6°24	4°27	9°57	26° 3	17°12	18° 9	21°R36	21°30	2°59	10°40	F 11
S 12	13 47 13	28°31'28	0♉19	9° 6	5°38	7° 3	4°33	9°55	26° 1	17°14	18° 9	21°36	21°27	3° 6	10°38	S 12
S 13	13 51 9	29°29'40	12°54	8°45	6°49	7°42	4°40	9°52	25°59	17°16	18° 8	21°35	21°24	3°12	10°36	S 13
M14	13 55 6	0♉27'50	25°43	8°20	7°59	8°21	4°46	9°50	25°57	17°18	18° 8	21°35	21°20	3°19	10°34	M14
T 15	13 59 2	1°25'58	8♊46	7°52	9° 9	9° 0	4°52	9°48	25°55	17°20	18° 8	21°33	21°17	3°26	10°32	T 15
W16	14 2 59	2°24'04	22° 3	7°21	10°19	9°39	4°58	9°46	25°53	17°23	18° 8	21°32	21°14	3°32	10°30	W16
T 17	14 6 55	3°22'09	5♋33	6°47	11°29	10°18	5° 4	9°44	25°51	17°25	18° 8	21°31	21°11	3°39	10°29	T 17
F 18	14 10 52	4°20'11	19°18	6°12	12°39	10°57	5° 9	9°43	25°50	17°27	18° 7	21°30	21° 8	3°46	10°27	F 18
S 19	14 14 49	5°18'12	3♌15	5°35	13°48	11°36	5°15	9°41	25°48	17°29	18° 7	21°D29	21° 5	3°52	10°26	S 19
S 20	14 18 45	6°16'10	17°24	4°58	14°58	12°15	5°20	9°39	25°46	17°31	18° 7	21°30	21° 1	3°59	10°24	S 20
M21	14 22 42	7°14'07	1♍44	4°21	16° 7	12°53	5°25	9°38	25°44	17°34	18° 7	21°30	20°58	4° 6	10°23	M21
T 22	14 26 38	8°12'01	16°10	3°45	17°17	13°32	5°30	9°36	25°43	17°36	18° 7	21°32	20°55	4°12	10°22	T 22
W23	14 30 35	9° 9'54	0♎40	3°11	18°26	14°11	5°35	9°35	25°41	17°38	18°D 7	21°33	20°52	4°19	10°21	W23
T 24	14 34 31	10° 7'45	15° 9	2°38	19°35	14°50	5°40	9°34	25°39	17°40	18° 7	21°R33	20°49	4°26	10°20	T 24
F 25	14 38 28	11° 5'34	29°32	2° 8	20°44	15°29	5°44	9°33	25°38	17°42	18° 7	21°33	20°46	4°33	10°19	F 25
S 26	14 42 24	12° 3'22	13♏43	1°41	21°53	16° 8	5°48	9°32	25°36	17°44	18° 7	21°32	20°42	4°39	10°19	S 26
S 27	14 46 21	13° 1'09	27°39	1°17	23° 2	16°46	5°53	9°31	25°35	17°46	18° 7	21°30	20°39	4°46	10°18	S 27
M28	14 50 18	13°58'54	11♐15	0°57	24°10	17°25	5°56	9°30	25°33	17°48	18° 7	21°27	20°36	4°53	10°18	M28
T 29	14 54 14	14°56'38	24°30	0°41	25°19	18° 4	6° 0	9°29	25°32	17°50	18° 8	21°24	20°33	4°59	10°17	T 29
W30	14 58 11	15♉54'20	7♑24	0♉29	26♊27	18♊43	6♒ 4	9♍29	25♍30	17♈52	18♌ 8	21♎20	20♎30	5♓ 6	10♍17	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 1	18s32	4n20	16n43	2n56	19n37	1n 9	21n 5	0n54	19s57	0s26	9n50	2n19	2n 8	0n47	5n 3	1s43	26n14	11n25	8s26	8s37	7s10	2n57	4s50
W 2	7 24	18 38	4 54	16 58	2 58	19 58	1 12	21 13	0 54	19 55	0 27	9 51	2 19	2 9	0 46	5 4	1 43	26 14	11 24	8 27	8 36	7 8	2 59	4 49
T 3	7 46	17 48	5 13	17 9	2 59	20 18	1 15	21 22	0 54	19 54	0 27	9 52	2 19	2 10	0 46	5 5	1 43	26 14	11 24	8 27	8 35	7 6	3 1	4 49
F 4	8 8	16 9	5 17	17 18	2 58	20 38	1 17	21 30	0 55	19 52	0 27	9 53	2 19	2 11	0 46	5 6	1 43	26 14	11 24	8 27	8 33	7 4	3 3	4 48
S 5	8 30	13 50	5 7	17 23	2 56	20 58	1 20	21 38	0 55	19 50	0 27	9 54	2 19	2 12	0 46	5 7	1 43	26 14	11 24	8 27	8 32	7 2	3 4	4 47
S 6	8 52	10 57	4 44	17 26	2 53	21 17	1 23	21 47	0 55	19 49	0 27	9 55	2 19	2 13	0 46	5 8	1 43	26 14	11 23	8 27	8 31	7 0	3 6	4 47
M 7	9 14	7 38	4 9	17 25	2 49	21 35	1 26	21 54	0 56	19 47	0 28	9 56	2 18	2 14	0 46	5 9	1 43	26 14	11 23	8 27	8 30	6 59	3 7	4 46
T 8	9 35	4 2	3 23	17 21	2 43	21 53	1 29	22 2	0 56	19 46	0 28	9 57	2 18	2 14	0 46	5 9	1 43	26 14	11 23	8 27	8 29	6 57	3 9	4 45
W 9	9 56	0 14	2 29	17 14	2 36	22 10	1 32	22 10	0 56	19 44	0 28	9 58	2 18	2 15	0 46	5 10	1 43	26 14	11 23	8 27	8 27	6 55	3 11	4 45
T 10	10 18	3n37	1 27	17 4	2 28	22 27	1 34	22 17	0 57	19 43	0 28	9 59	2 18	2 16	0 46	5 11	1 43	26 14	11 22	8 27	8 26	6 53	3 12	4 44
F 11	10 39	7 23	0 20	16 51	2 18	22 43	1 37	22 24	0 57	19 41	0 28	10 0	2 18	2 17	0 46	5 12	1 43	26 14	11 22	8 27	8 25	6 51	3 14	4 43
S 12	11 0	10 53	0s48	16 36	2 7	22 58	1 40	22 31	0 57	19 40	0 29	10 1	2 18	2 18	0 46	5 13	1 43	26 14	11 22	8 27	8 24	6 49	3 15	4 43
S 13	11 20	13 57	1 55	16 18	1 55	23 13	1 42	22 38	0 58	19 39	0 29	10 1	2 18	2 18	0 46	5 14	1 43	26 13	11 22	8 27	8 23	6 47	3 16	4 42
M14	11 41	16 23	2 58	15 57	1 42	23 27	1 45	22 45	0 58	19 37	0 29	10 2	2 18	2 19	0 46	5 14	1 43	26 13	11 21	8 27	8 21	6 46	3 18	4 41
T 15	12 1	18 1	3 53	15 35	1 28	23 41	1 47	22 51	0 58	19 36	0 29	10 3	2 17	2 20	0 46	5 15	1 43	26 13	11 21	8 26	8 20	6 44	3 19	4 41
W16	12 21	18 43	4 36	15 10	1 13	23 54	1 50	22 57	0 59	19 35	0 29	10 3	2 17	2 21	0 46	5 16	1 43	26 13	11 21	8 26	8 19	6 42	3 20	4 40
T 17	12 41	18 21	5 4	14 44	0 57	24 6	1 52	23 3	0 59	19 34	0 30	10 4	2 17	2 21	0 46	5 17	1 43	26 13	11 21	8 25	8 18	6 40	3 22	4 39
F 18	13 1	16 55	5 16	14 17	0 41	24 18	1 55	23 9	0 59	19 32	0 30	10 4	2 17	2 22	0 46	5 18	1 43	26 13	11 20	8 25	8 17	6 38	3 23	4 38
S 19	13 21	14 29	5 10	13 49	0 24	24 29	1 57	23 15	0 59	19 31	0 30	10 5	2 17	2 23	0 46	5 19	1 43	26 12	11 20	8 25	8 15	6 36	3 24	4 38
S 20	13 40	11 9	4 45	13 20	0 7	24 39	1 59	23 20	1 0	19 30	0 30	10 5	2 17	2 24	0 46	5 19	1 43	26 12	11 20	8 25	8 14	6 35	3 25	4 37
M21	13 59	7 8	4 2	12 52	0s10	24 49	2 1	23 26	1 0	19 29	0 30	10 6	2 16	2 24	0 46	5 20	1 43	26 12	11 20	8 25	8 13	6 33	3 26	4 36
T 22	14 18	2 40	3 3	12 23	0 28	24 58	2 3	23 31	1 0	19 28	0 31	10 6	2 16	2 25	0 46	5 21	1 43	26 12	11 19	8 26	8 12	6 31	3 28	4 36
W23	14 37	2s 0	1 53	11 55	0 45	25 7	2 5	23 36	1 0	19 27	0 31	10 6	2 16	2 26	0 46	5 22	1 43	26 12	11 19	8 26	8 11	6 29	3 29	4 35
T 24	14 55	6 32	0 35	11 28	1 2	25 14	2 7	23 41	1 1	19 26	0 31	10 7	2 16	2 26	0 46	5 23	1 43	26 11	11 19	8 26	8 9	6 27	3 30	4 34
F 25	15 13	10 40	0n44	11 3	1 18	25 22	2 9	23 45	1 1	19 25	0 31	10 7	2 16	2 27	0 46	5 23	1 43	26 11	11 19	8 26	8 8	6 25	3 31	4 33
S 26	15 31	14 8	1 59	10 39	1 34	25 28	2 11	23 50	1 1	19 24	0 31	10 7	2 16	2 27	0 46	5 24	1 43	26 11	11 18	8 26	8 7	6 23	3 32	4 33
S 27	15 49	16 42	3 6	10 16	1 49	25 34	2 13	23 54	1 1	19 24	0 32	10 7	2 15	2 28	0 46	5 25	1 43	26 10	11 18	8 25	8 6	6 22	3 32	4 32
M28	16 6	18 15	4 1	9 56	2 3	25 39	2 14	23 58	1 2	19 23	0 32	10 8	2 15	2 28	0 46	5 26	1 43	26 10	11 18	8 24	8 5	6 20	3 33	4 31
T 29	16 23	18 45	4 41	9 38	2 16	25 43	2 16	24 2	1 2	19 22	0 32	10 8	2 15	2 29	0 46	5 26	1 43	26 10	11 18	8 23	8 3	6 18	3 34	4 30
W30	16n40	18s15	5n 5	9n23	2s28	25n47	2n17	24n 5	1n 2	19s21	0s32	10n 8	2n15	2n29	0n46	5n27	1s43	26n10	11n17	8s21	8s 2	6s16	3n35	4s30

Julian Day Number = 2164561.5, Delta T = 12m53s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'01, Lahiri = 12°54'02 Julian Calendar 1 Apr. 1214 == Greg. Calendar 8 Apr. 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

MAY 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 7	16♉52'02	19♋58	0°R22	27♊35	19♊21	6♒ 7	9°R28	25°R29	17♈55	18♌ 8	21°R17	20♎26	5♓13	10°R17	T 1
F 2	15 6 4	17°49'42	2♒15	0°D19	28°43	20° 0	6°10	9♍28	25♍28	17°57	18° 8	21♎15	20°23	5°19	10°D17	F 2
S 3	15 10 0	18°47'21	14°18	0♉21	29°51	20°39	6°14	9°28	25°27	17°59	18° 9	21°D14	20°20	5°26	10♍17	S 3
S 4	15 13 57	19°44'59	26°13	0°27	0♋59	21°17	6°16	9°28	25°25	18° 1	18° 9	21°14	20°17	5°33	10°17	S 4
M 5	15 17 53	20°42'36	8♓ 4	0°37	2° 7	21°56	6°19	9°D28	25°24	18° 3	18° 9	21°15	20°14	5°39	10°17	M 5
T 6	15 21 50	21°40'12	19°55	0°53	3°14	22°35	6°22	9°28	25°23	18° 5	18°10	21°17	20°11	5°46	10°18	T 6
W 7	15 25 46	22°37'47	1♈52	1°12	4°22	23°13	6°24	9°28	25°22	18° 6	18°10	21°19	20° 7	5°53	10°18	W 7
T 8	15 29 43	23°35'21	14° 0	1°36	5°29	23°52	6°26	9°28	25°21	18° 8	18°10	21°20	20° 4	5°59	10°19	T 8
F 9	15 33 40	24°32'54	26°20	2° 4	6°36	24°30	6°28	9°28	25°20	18°10	18°11	21°R20	20° 1	6° 6	10°20	F 9
S 10	15 37 36	25°30'26	8♉56	2°37	7°43	25° 9	6°30	9°29	25°19	18°12	18°11	21°19	19°58	6°13	10°21	S 10
S 11	15 41 33	26°27'57	21°50	3°13	8°49	25°47	6°31	9°29	25°19	18°14	18°12	21°16	19°55	6°19	10°22	S 11
M12	15 45 29	27°25'28	5♊ 1	3°53	9°56	26°26	6°33	9°30	25°18	18°16	18°12	21°11	19°51	6°26	10°23	M12
T 13	15 49 26	28°22'57	18°28	4°38	11° 2	27° 5	6°34	9°31	25°17	18°18	18°13	21° 5	19°48	6°33	10°24	T 13
W14	15 53 22	29°20'24	2♋10	5°25	12° 9	27°43	6°35	9°31	25°16	18°20	18°14	20°59	19°45	6°40	10°25	W14
T 15	15 57 19	0♊17'51	16° 4	6°17	13°15	28°22	6°36	9°32	25°16	18°21	18°14	20°54	19°42	6°46	10°27	T 15
F 16	16 1 16	1°15'17	0♌ 5	7°12	14°20	29° 0	6°36	9°34	25°15	18°23	18°15	20°49	19°39	6°53	10°28	F 16
S 17	16 5 12	2°12'41	14°13	8°11	15°26	29°38	6°37	9°35	25°15	18°25	18°15	20°46	19°36	7° 0	10°30	S 17
S 18	16 9 9	3°10'04	28°23	9°13	16°32	0♋17	6°37	9°36	25°14	18°27	18°16	20°D45	19°32	7° 6	10°32	S 18
M19	16 13 5	4° 7'26	12♍34	10°18	17°37	0°55	6°R37	9°37	25°14	18°28	18°17	20°45	19°29	7°13	10°34	M19
T 20	16 17 2	5° 4'46	26°44	11°26	18°42	1°34	6°37	9°39	25°13	18°30	18°18	20°46	19°26	7°20	10°36	T 20
W21	16 20 58	6° 2'06	10♎51	12°38	19°47	2°12	6°37	9°40	25°13	18°32	18°18	20°47	19°23	7°26	10°38	W21
T 22	16 24 55	6°59'24	24°54	13°53	20°51	2°51	6°36	9°42	25°13	18°33	18°19	20°R47	19°20	7°33	10°40	T 22
F 23	16 28 51	7°56'42	8♏50	15°11	21°56	3°29	6°35	9°44	25°12	18°35	18°20	20°46	19°17	7°40	10°42	F 23
S 24	16 32 48	8°53'59	22°38	16°32	23° 0	4° 7	6°34	9°46	25°12	18°37	18°21	20°42	19°13	7°46	10°45	S 24
S 25	16 36 45	9°51'15	6♐13	17°56	24° 4	4°46	6°33	9°48	25°12	18°38	18°22	20°37	19°10	7°53	10°47	S 25
M26	16 40 41	10°48'30	19°34	19°23	25° 7	5°24	6°32	9°50	25°12	18°40	18°23	20°29	19° 7	8° 0	10°50	M26
T 27	16 44 38	11°45'45	2♑38	20°53	26°11	6° 2	6°30	9°52	25°D12	18°41	18°24	20°21	19° 4	8° 6	10°53	T 27
W28	16 48 34	12°42'59	15°25	22°26	27°14	6°41	6°29	9°54	25°12	18°43	18°25	20°12	19° 1	8°13	10°56	W28
T 29	16 52 31	13°40'13	27°55	24° 2	28°17	7°19	6°27	9°56	25°12	18°44	18°26	20° 3	18°57	8°20	10°59	T 29
F 30	16 56 27	14°37'26	10♒11	25°40	29°19	7°57	6°25	9°59	25°12	18°46	18°27	19°57	18°54	8°26	11° 2	F 30
S 31	17 0 24	15♊34'39	22♒13	27♉22	0♌22	8♋36	6♒23	10♍ 1	25♍13	18♈47	18♌28	19♎52	18♎51	8♓33	11♍ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n57	16s52	5n14	9n 9	2s40	25n50	2n19	24n 9	1n 2	19s21	0s33	10n 8	2n15	2n30	0n46	5n28	1s43	26n 9	11n17	8s20	8s 1	6s14	3n36	4s29
F 2	17 13	14 44	5 8	8 59	2 50	25 52	2 20	24 12	1 3	19 20	0 33	10 8	2 15	2 30	0 46	5 29	1 43	26 9	11 17	8 19	8 0	6 12	3 36	4 28
S 3	17 29	11 59	4 49	8 50	2 59	25 54	2 21	24 15	1 3	19 20	0 33	10 8	2 14	2 31	0 46	5 29	1 43	26 9	11 17	8 19	7 59	6 10	3 37	4 27
S 4	17 45	8 47	4 18	8 45	3 7	25 54	2 22	24 18	1 3	19 19	0 33	10 8	2 14	2 31	0 46	5 30	1 43	26 8	11 16	8 19	7 57	6 9	3 38	4 27
M 5	18 0	5 15	3 35	8 42	3 15	25 55	2 23	24 21	1 3	19 19	0 33	10 7	2 14	2 32	0 45	5 31	1 43	26 8	11 16	8 19	7 56	6 7	3 38	4 26
T 6	18 15	1 30	2 44	8 41	3 21	25 54	2 24	24 23	1 4	19 18	0 34	10 7	2 14	2 32	0 45	5 32	1 43	26 7	11 16	8 20	7 55	6 5	3 39	4 25
W 7	18 30	2n21	1 45	8 43	3 26	25 53	2 25	24 26	1 4	19 18	0 34	10 7	2 14	2 32	0 45	5 32	1 43	26 7	11 15	8 21	7 54	6 3	3 39	4 25
T 8	18 45	6 9	0 40	8 48	3 30	25 51	2 26	24 28	1 4	19 18	0 34	10 7	2 14	2 33	0 45	5 33	1 43	26 7	11 15	8 21	7 53	6 1	3 40	4 24
F 9	18 59	9 47	0s27	8 54	3 33	25 49	2 26	24 30	1 4	19 17	0 34	10 6	2 13	2 33	0 45	5 34	1 43	26 6	11 15	8 21	7 51	5 59	3 40	4 23
S 10	19 13	13 2	1 35	9 3	3 36	25 46	2 27	24 31	1 4	19 17	0 35	10 6	2 13	2 34	0 45	5 34	1 43	26 6	11 15	8 21	7 50	5 57	3 40	4 22
S 11	19 27	15 45	2 39	9 14	3 37	25 42	2 27	24 33	1 5	19 17	0 35	10 6	2 13	2 34	0 45	5 35	1 43	26 6	11 14	8 20	7 49	5 56	3 41	4 22
M12	19 40	17 41	3 36	9 27	3 37	25 37	2 28	24 34	1 5	19 17	0 35	10 5	2 13	2 34	0 45	5 36	1 43	26 5	11 14	8 18	7 48	5 54	3 41	4 21
T 13	19 53	18 41	4 22	9 42	3 37	25 32	2 28	24 35	1 5	19 17	0 35	10 5	2 13	2 34	0 45	5 36	1 44	26 5	11 14	8 16	7 47	5 52	3 41	4 20
W14	20 6	18 38	4 54	9 59	3 36	25 26	2 28	24 36	1 5	19 17	0 36	10 4	2 12	2 35	0 45	5 37	1 44	26 4	11 14	8 13	7 45	5 50	3 41	4 19
T 15	20 18	17 27	5 9	10 18	3 34	25 20	2 28	24 37	1 5	19 17	0 36	10 4	2 12	2 35	0 45	5 38	1 44	26 4	11 13	8 11	7 44	5 48	3 42	4 19
F 16	20 30	15 14	5 6	10 39	3 31	25 13	2 28	24 38	1 5	19 17	0 36	10 3	2 12	2 35	0 45	5 38	1 44	26 3	11 13	8 10	7 43	5 46	3 42	4 18
S 17	20 41	12 5	4 45	11 1	3 28	25 5	2 28	24 38	1 6	19 17	0 36	10 3	2 12	2 35	0 45	5 39	1 44	26 3	11 13	8 8	7 42	5 44	3 42	4 17
S 18	20 53	8 14	4 6	11 25	3 23	24 57	2 27	24 38	1 6	19 17	0 36	10 2	2 12	2 35	0 45	5 40	1 44	26 2	11 13	8 8	7 41	5 43	3 42	4 16
M19	21 4	3 55	3 12	11 50	3 18	24 48	2 27	24 38	1 6	19 17	0 37	10 1	2 12	2 35	0 45	5 40	1 44	26 2	11 12	8 8	7 39	5 41	3 42	4 16
T 20	21 14	0s38	2 7	12 16	3 13	24 39	2 26	24 38	1 6	19 18	0 37	10 1	2 11	2 36	0 45	5 41	1 44	26 1	11 12	8 8	7 38	5 39	3 42	4 15
W21	21 24	5 8	0 54	12 44	3 7	24 28	2 26	24 37	1 6	19 18	0 37	10 0	2 11	2 36	0 45	5 41	1 44	26 1	11 12	8 9	7 37	5 37	3 41	4 14
T 22	21 34	9 20	0n22	13 12	3 0	24 18	2 25	24 37	1 6	19 18	0 37	9 59	2 11	2 36	0 45	5 42	1 44	26 0	11 12	8 9	7 36	5 35	3 41	4 13
F 23	21 43	12 59	1 36	13 42	2 53	24 7	2 24	24 36	1 7	19 19	0 38	9 58	2 11	2 36	0 45	5 43	1 44	26 0	11 11	8 8	7 35	5 33	3 41	4 13
S 24	21 53	15 52	2 43	14 13	2 45	23 55	2 23	24 35	1 7	19 19	0 38	9 57	2 11	2 36	0 45	5 43	1 44	25 59	11 11	8 7	7 33	5 31	3 41	4 12
S 25	22 1	17 49	3 40	14 45	2 36	23 42	2 21	24 34	1 7	19 20	0 38	9 56	2 10	2 36	0 45	5 44	1 44	25 59	11 11	8 5	7 32	5 30	3 41	4 11
M26	22 10	18 45	4 23	15 17	2 27	23 30	2 20	24 33	1 7	19 20	0 38	9 56	2 10	2 36	0 45	5 44	1 44	25 58	11 11	8 2	7 31	5 28	3 40	4 11
T 27	22 17	18 39	4 52	15 50	2 18	23 16	2 19	24 31	1 7	19 21	0 39	9 55	2 10	2 36	0 45	5 45	1 44	25 58	11 11	7 59	7 30	5 26	3 40	4 10
W28	22 25	17 35	5 5	16 23	2 8	23 2	2 17	24 29	1 7	19 21	0 39	9 54	2 10	2 36	0 45	5 45	1 44	25 57	11 10	7 55	7 29	5 24	3 39	4 9
T 29	22 32	15 42	5 3	16 57	1 58	22 48	2 15	24 27	1 7	19 22	0 39	9 52	2 10	2 36	0 45	5 46	1 44	25 57	11 10	7 52	7 27	5 22	3 39	4 8
F 30	22 39	13 9	4 48	17 31	1 48	22 33	2 13	24 25	1 7	19 23	0 39	9 51	2 10	2 36	0 44	5 46	1 44	25 56	11 10	7 50	7 26	5 20	3 39	4 8
S 31	22n45	10s 4	4n19	18n 5	1s37	22n17	2n11	24n23	1n 8	19s24	0s40	9n50	2n 9	2n35	0n44	5n47	1s44	25n56	11n10	7s48	7s25	5s18	3n38	4s 7

Julian Day Number = 2164591.5, Delta T = 12m52s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'05, Lahiri = 12°54'06 Julian Calendar 1 May 1214 == Greg. Calendar 8 May 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

JUNE 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 20	16♊31'52	4♓ 8	29♉ 6	1♌24	9♋14	6°R20	10♍ 4	25♍13	18♈49	18♌29	19°R49	18♎48	8♓40	11♍ 8	S 1
M 2	17 8 17	17°29'04	15°58	0♊54	2°25	9°52	6♒18	10° 7	25°13	18°50	18°30	19°D48	18°45	8°46	11°11	M 2
T 3	17 12 14	18°26'17	27°50	2°44	3°27	10°30	6°15	10° 9	25°13	18°51	18°31	19♎48	18°42	8°53	11°15	T 3
W 4	17 16 10	19°23'29	9♈48	4°36	4°28	11° 9	6°12	10°12	25°14	18°53	18°32	19°49	18°38	9° 0	11°18	W 4
T 5	17 20 7	20°20'41	21°57	6°31	5°29	11°47	6° 9	10°15	25°14	18°54	18°33	19°R49	18°35	9° 6	11°22	T 5
F 6	17 24 3	21°17'54	4♉23	8°29	6°29	12°25	6° 5	10°18	25°15	18°55	18°35	19°48	18°32	9°13	11°26	F 6
S 7	17 28 0	22°15'06	17° 9	10°29	7°29	13° 3	6° 2	10°21	25°15	18°57	18°36	19°45	18°29	9°20	11°30	S 7
S 8	17 31 56	23°12'18	0♊16	12°31	8°29	13°42	5°58	10°25	25°16	18°58	18°37	19°40	18°26	9°26	11°34	S 8
M 9	17 35 53	24° 9'30	13°47	14°35	9°29	14°20	5°54	10°28	25°17	18°59	18°38	19°32	18°23	9°33	11°38	M 9
T 10	17 39 49	25° 6'42	27°38	16°41	10°28	14°58	5°50	10°31	25°17	19° 0	18°40	19°22	18°19	9°40	11°42	T 10
W11	17 43 46	26° 3'53	11♋46	18°48	11°27	15°36	5°46	10°35	25°18	19° 1	18°41	19°12	18°16	9°47	11°46	W11
T 12	17 47 43	27° 1'05	26° 6	20°56	12°25	16°14	5°42	10°39	25°19	19° 2	18°42	19° 2	18°13	9°53	11°51	T 12
F 13	17 51 39	27°58'16	10♌32	23° 6	13°23	16°53	5°37	10°42	25°20	19° 3	18°44	18°54	18°10	10° 0	11°55	F 13
S 14	17 55 36	28°55'27	24°59	25°16	14°20	17°31	5°33	10°46	25°21	19° 4	18°45	18°48	18° 7	10° 7	11°59	S 14
S 15	17 59 32	29°52'38	9♍20	27°26	15°17	18° 9	5°28	10°50	25°22	19° 5	18°46	18°44	18° 3	10°13	12° 4	S 15
M16	18 3 29	0♋49'48	23°34	29°36	16°14	18°47	5°23	10°54	25°23	19° 6	18°48	18°43	18° 0	10°20	12° 9	M16
T 17	18 7 25	1°46'58	7♎39	1♋47	17°10	19°25	5°18	10°58	25°24	19° 7	18°49	18°D43	17°57	10°27	12°14	T 17
W18	18 11 22	2°44'08	21°33	3°56	18° 6	20° 3	5°12	11° 2	25°25	19° 8	18°51	18°R43	17°54	10°33	12°19	W18
T 19	18 15 18	3°41'18	5♏16	6° 5	19° 1	20°42	5° 7	11° 6	25°26	19° 9	18°52	18°42	17°51	10°40	12°23	T 19
F 20	18 19 15	4°38'27	18°50	8°13	19°55	21°20	5° 1	11°10	25°28	19°10	18°54	18°39	17°48	10°47	12°29	F 20
S 21	18 23 12	5°35'37	2♐13	10°21	20°49	21°58	4°55	11°15	25°29	19°11	18°55	18°33	17°44	10°53	12°34	S 21
S 22	18 27 8	6°32'47	15°26	12°26	21°43	22°36	4°50	11°19	25°30	19°12	18°57	18°25	17°41	11° 0	12°39	S 22
M23	18 31 5	7°29'56	28°26	14°31	22°36	23°14	4°44	11°24	25°32	19°13	18°58	18°14	17°38	11° 7	12°44	M23
T 24	18 35 1	8°27'07	11♑14	16°34	23°28	23°52	4°37	11°28	25°33	19°13	19° 0	18° 2	17°35	11°13	12°50	T 24
W25	18 38 58	9°24'17	23°48	18°35	24°20	24°30	4°31	11°33	25°34	19°14	19° 2	17°49	17°32	11°20	12°55	W25
T 26	18 42 54	10°21'28	6♒10	20°35	25°11	25° 8	4°25	11°38	25°36	19°15	19° 3	17°37	17°29	11°27	13° 1	T 26
F 27	18 46 51	11°18'39	18°19	22°33	26° 1	25°47	4°18	11°42	25°38	19°15	19° 5	17°26	17°25	11°33	13° 6	F 27
S 28	18 50 47	12°15'51	0♓18	24°29	26°51	26°25	4°12	11°47	25°39	19°16	19° 6	17°18	17°22	11°40	13°12	S 28
S 29	18 54 44	13°13'03	12°10	26°23	27°40	27° 3	4° 5	11°52	25°41	19°17	19° 8	17°13	17°19	11°47	13°18	S 29
M30	18 58 41	14♋10'16	23♓58	28♋16	28♌28	27♋41	3♒58	11♍57	25♍43	19♈17	19♌10	17♎10	17♎16	11♓53	13♍24	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n51	6s37	3n40	18n38	1s26	22n 2	2n 9	24n20	1n 8	19s25	0s40	9n49	2n 9	2n35	0n44	5n47	1s44	25n55	11n 9	7s47	7s24	5s17	3n37	4s 6
M 2	22 57	2 56	2 51	19 12	1 15	21 45	2 7	24 18	1 8	19 25	0 40	9 48	2 9	2 35	0 44	5 48	1 44	25 55	11 9	7 46	7 22	5 15	3 37	4 6
T 3	23 2	0n54	1 55	19 45	1 4	21 28	2 4	24 15	1 8	19 26	0 40	9 47	2 9	2 35	0 44	5 48	1 45	25 54	11 9	7 47	7 21	5 13	3 36	4 5
W 4	23 7	4 43	0 54	20 18	0 52	21 11	2 1	24 12	1 8	19 27	0 41	9 45	2 9	2 35	0 44	5 49	1 45	25 53	11 9	7 47	7 20	5 11	3 35	4 4
T 5	23 11	8 25	0s11	20 49	0 41	20 54	1 59	24 9	1 8	19 28	0 41	9 44	2 9	2 35	0 44	5 49	1 45	25 53	11 9	7 47	7 19	5 9	3 35	4 3
F 6	23 15	11 50	1 17	21 20	0 29	20 36	1 56	24 5	1 8	19 29	0 41	9 43	2 8	2 34	0 44	5 50	1 45	25 52	11 8	7 47	7 18	5 7	3 34	4 3
S 7	23 19	14 47	2 21	21 49	0 18	20 17	1 53	24 2	1 8	19 30	0 41	9 41	2 8	2 34	0 44	5 50	1 45	25 52	11 8	7 45	7 16	5 5	3 33	4 2
S 8	23 22	17 4	3 18	22 17	0 6	19 58	1 49	23 58	1 8	19 32	0 41	9 40	2 8	2 34	0 44	5 50	1 45	25 51	11 8	7 43	7 15	5 3	3 32	4 1
M 9	23 25	18 28	4 7	22 44	0n 5	19 39	1 46	23 54	1 8	19 33	0 42	9 39	2 8	2 33	0 44	5 51	1 45	25 51	11 8	7 40	7 14	5 2	3 31	4 1
T 10	23 27	18 49	4 42	23 8	0 16	19 20	1 42	23 50	1 9	19 34	0 42	9 37	2 8	2 33	0 44	5 51	1 45	25 50	11 8	7 37	7 13	5 0	3 30	4 0
W11	23 29	18 2	5 0	23 30	0 26	19 0	1 39	23 45	1 9	19 35	0 42	9 36	2 8	2 33	0 44	5 52	1 45	25 49	11 7	7 33	7 12	4 58	3 29	3 59
T 12	23 30	16 6	5 1	23 50	0 36	18 40	1 35	23 41	1 9	19 37	0 42	9 34	2 7	2 32	0 44	5 52	1 45	25 49	11 7	7 29	7 10	4 56	3 28	3 59
F 13	23 31	13 9	4 42	24 7	0 46	18 19	1 31	23 36	1 9	19 38	0 43	9 33	2 7	2 32	0 44	5 52	1 45	25 48	11 7	7 26	7 9	4 54	3 27	3 58
S 14	23 32	9 24	4 5	24 22	0 55	17 58	1 26	23 31	1 9	19 39	0 43	9 31	2 7	2 32	0 44	5 53	1 45	25 47	11 7	7 24	7 8	4 52	3 26	3 57
S 15	23 32	5 7	3 13	24 34	1 4	17 37	1 22	23 26	1 9	19 41	0 43	9 29	2 7	2 31	0 44	5 53	1 45	25 47	11 7	7 22	7 7	4 50	3 25	3 57
M16	23 32	0 35	2 9	24 44	1 11	17 16	1 17	23 21	1 9	19 42	0 43	9 28	2 7	2 31	0 44	5 53	1 45	25 46	11 6	7 22	7 5	4 49	3 24	3 56
T 17	23 32	3s56	0 58	24 50	1 19	16 54	1 13	23 16	1 9	19 44	0 44	9 26	2 7	2 30	0 44	5 54	1 45	25 46	11 6	7 22	7 4	4 47	3 23	3 55
W18	23 31	8 12	0n15	24 54	1 25	16 33	1 8	23 10	1 9	19 45	0 44	9 24	2 6	2 30	0 44	5 54	1 45	25 45	11 6	7 22	7 3	4 45	3 21	3 55
T 19	23 29	11 58	1 27	24 55	1 31	16 11	1 3	23 5	1 9	19 47	0 44	9 23	2 6	2 29	0 44	5 54	1 45	25 44	11 6	7 21	7 2	4 43	3 20	3 54
F 20	23 27	15 3	2 32	24 53	1 36	15 48	0 57	22 59	1 9	19 48	0 44	9 21	2 6	2 29	0 44	5 55	1 45	25 44	11 6	7 20	7 1	4 41	3 19	3 54
S 21	23 25	17 17	3 29	24 48	1 40	15 26	0 52	22 53	1 9	19 50	0 44	9 19	2 6	2 28	0 44	5 55	1 46	25 43	11 6	7 18	6 59	4 39	3 17	3 53
S 22	23 23	18 33	4 13	24 41	1 44	15 3	0 46	22 46	1 9	19 52	0 45	9 17	2 6	2 28	0 43	5 55	1 46	25 42	11 6	7 15	6 58	4 37	3 16	3 52
M23	23 20	18 49	4 43	24 31	1 47	14 41	0 40	22 40	1 9	19 53	0 45	9 15	2 6	2 27	0 43	5 55	1 46	25 42	11 5	7 11	6 57	4 35	3 14	3 52
T 24	23 16	18 6	4 59	24 18	1 49	14 18	0 34	22 34	1 9	19 55	0 45	9 13	2 6	2 26	0 43	5 56	1 46	25 41	11 5	7 6	6 56	4 34	3 13	3 51
W25	23 12	16 31	4 59	24 4	1 50	13 55	0 28	22 27	1 9	19 57	0 45	9 12	2 5	2 26	0 43	5 56	1 46	25 40	11 5	7 1	6 55	4 32	3 11	3 50
T 26	23 8	14 12	4 45	23 47	1 51	13 32	0 22	22 20	1 9	19 58	0 45	9 10	2 5	2 25	0 43	5 56	1 46	25 40	11 5	6 56	6 53	4 30	3 10	3 50
F 27	23 3	11 18	4 19	23 28	1 51	13 8	0 15	22 13	1 10	20 0	0 46	9 8	2 5	2 24	0 43	5 56	1 46	25 39	11 5	6 52	6 52	4 28	3 8	3 49
S 28	22 58	7 58	3 41	23 7	1 50	12 45	0 9	22 6	1 10	20 2	0 46	9 6	2 5	2 24	0 43	5 56	1 46	25 39	11 5	6 49	6 51	4 26	3 7	3 49
S 29	22 53	4 21	2 54	22 45	1 49	12 22	0 2	21 58	1 10	20 4	0 46	9 4	2 5	2 23	0 43	5 56	1 46	25 38	11 5	6 47	6 50	4 24	3 5	3 48
M30	22n47	0s34	1n59	22n21	1n47	11n58	0s 5	21n51	1n10	20s 5	0s46	9n 2	2n 5	2n22	0n43	5n57	1s46	25n37	11n 4	6s46	6s48	4s22	3n 3	3s47

Julian Day Number = 2164622.5, Delta T = 12m52s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'09, Lahiri = 12°54'10 Julian Calendar 1 June 1214 == Greg. Calendar 8 June 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

JULY 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 37	15♋ 7'30	5♈49	0♌ 7	29♌15	28♋19	3°R51	12♍ 2	25♍44	19♈18	19♌11	17°R 9	17♎13	12♓ 0	13♍30	T 1
W 2	19 6 34	16° 4'44	17°46	1°56	0♍ 2	28°57	3♒44	12° 7	25°46	19°18	19°13	17♎ 9	17° 9	12° 7	13°36	W 2
T 3	19 10 30	17° 2'00	29°55	3°43	0°48	29°35	3°37	12°13	25°48	19°19	19°15	17° 8	17° 6	12°13	13°42	T 3
F 4	19 14 27	17°59'16	12♉21	5°29	1°33	0♌13	3°30	12°18	25°50	19°19	19°17	17° 7	17° 3	12°20	13°48	F 4
S 5	19 18 23	18°56'33	25°10	7°12	2°17	0°51	3°23	12°23	25°52	19°19	19°18	17° 4	17° 0	12°27	13°54	S 5
S 6	19 22 20	19°53'51	8♊24	8°54	3° 0	1°29	3°15	12°29	25°54	19°20	19°20	16°58	16°57	12°33	14° 1	S 6
M 7	19 26 16	20°51'10	22° 5	10°35	3°42	2° 7	3° 8	12°34	25°56	19°20	19°22	16°49	16°54	12°40	14° 7	M 7
T 8	19 30 13	21°48'30	6♋12	12°13	4°24	2°46	3° 0	12°39	25°58	19°20	19°24	16°39	16°50	12°47	14°13	T 8
W 9	19 34 10	22°45'51	20°40	13°50	5° 4	3°24	2°53	12°45	26° 0	19°21	19°25	16°27	16°47	12°53	14°20	W 9
T 10	19 38 6	23°43'13	5♌24	15°24	5°43	4° 2	2°45	12°51	26° 2	19°21	19°27	16°16	16°44	13° 0	14°27	T 10
F 11	19 42 3	24°40'35	20°14	16°57	6°21	4°40	2°38	12°56	26° 5	19°21	19°29	16° 7	16°41	13° 7	14°33	F 11
S 12	19 45 59	25°37'58	5♍ 4	18°29	6°58	5°18	2°30	13° 2	26° 7	19°21	19°31	16° 0	16°38	13°13	14°40	S 12
S 13	19 49 56	26°35'21	19°44	19°58	7°34	5°56	2°22	13° 8	26° 9	19°21	19°33	15°56	16°35	13°20	14°47	S 13
M14	19 53 52	27°32'45	4♎10	21°26	8° 8	6°34	2°14	13°14	26°12	19°21	19°35	15°54	16°31	13°27	14°54	M14
T 15	19 57 49	28°30'10	18°20	22°52	8°41	7°12	2° 7	13°20	26°14	19°21	19°36	15°D53	16°28	13°33	15° 1	T 15
W16	20 1 45	29°27'36	2♏12	24°16	9°13	7°50	1°59	13°26	26°16	19°R22	19°38	15°R54	16°25	13°40	15° 7	W16
T 17	20 5 42	0♌25'02	15°47	25°38	9°43	8°28	1°51	13°32	26°19	19°21	19°40	15°53	16°22	13°47	15°15	T 17
F 18	20 9 39	1°22'29	29° 7	26°58	10°12	9° 7	1°43	13°38	26°21	19°21	19°42	15°50	16°19	13°53	15°22	F 18
S 19	20 13 35	2°19'57	12♐13	28°16	10°39	9°45	1°35	13°44	26°24	19°21	19°44	15°45	16°15	14° 0	15°29	S 19
S 20	20 17 32	3°17'25	25° 5	29°32	11° 5	10°23	1°28	13°50	26°27	19°21	19°46	15°37	16°12	14° 7	15°36	S 20
M21	20 21 28	4°14'55	7♑47	0♍46	11°29	11° 1	1°20	13°57	26°29	19°21	19°48	15°27	16° 9	14°13	15°43	M21
T 22	20 25 25	5°12'26	20°17	1°58	11°52	11°39	1°12	14° 3	26°32	19°21	19°50	15°15	16° 6	14°20	15°51	T 22
W23	20 29 21	6° 9'57	2♒37	3° 8	12°12	12°17	1° 4	14° 9	26°35	19°21	19°52	15° 3	16° 3	14°27	15°58	W23
T 24	20 33 18	7° 7'30	14°47	4°15	12°31	12°55	0°57	14°16	26°37	19°21	19°54	14°51	16° 0	14°33	16° 5	T 24
F 25	20 37 14	8° 5'04	26°48	5°20	12°48	13°33	0°49	14°22	26°40	19°20	19°56	14°41	15°56	14°40	16°13	F 25
S 26	20 41 11	9° 2'39	8♓42	6°23	13° 3	14°11	0°41	14°28	26°43	19°20	19°57	14°33	15°53	14°47	16°20	S 26
S 27	20 45 8	10° 0'16	20°31	7°23	13°16	14°50	0°34	14°35	26°46	19°20	19°59	14°28	15°50	14°53	16°28	S 27
M28	20 49 4	10°57'54	2♈18	8°20	13°27	15°28	0°26	14°41	26°49	19°19	20° 1	14°25	15°47	15° 0	16°36	M28
T 29	20 53 1	11°55'34	14° 7	9°15	13°36	16° 6	0°18	14°48	26°51	19°19	20° 3	14°D24	15°44	15° 7	16°43	T 29
W30	20 56 57	12°53'15	26° 3	10° 6	13°43	16°44	0°11	14°55	26°54	19°18	20° 5	14°25	15°41	15°13	16°51	W30
T 31	21 0 54	13♌50'58	8♉11	10♍54	13♍48	17♌22	0♒ 4	15♍ 1	26♍57	19♈18	20♌ 7	14°R26	15♎37	15♓20	16♍59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n41	3n14	1n 0	21n55	1n45	11n35	0s13	21n43	1n10	20s 7	0s46	9n 0	2n 5	2n22	0n43	5n57	1s46	25n37	11n 4	6s46	6s47	4s21	3n 1	3s47
W 2	22 34	6 57	0s 3	21 28	1 42	11 11	0 20	21 35	1 10	20 9	0 47	8 57	2 4	2 21	0 43	5 57	1 46	25 36	11 4	6 46	6 46	4 19	3 0	3 46
T 3	22 27	10 26	1 7	20 59	1 38	10 48	0 28	21 27	1 10	20 11	0 47	8 55	2 4	2 20	0 43	5 57	1 46	25 35	11 4	6 46	6 45	4 17	2 58	3 46
F 4	22 19	13 33	2 9	20 30	1 34	10 25	0 36	21 19	1 10	20 13	0 47	8 53	2 4	2 19	0 43	5 57	1 46	25 35	11 4	6 45	6 44	4 15	2 56	3 45
S 5	22 12	16 7	3 7	19 59	1 29	10 1	0 44	21 11	1 10	20 15	0 47	8 51	2 4	2 18	0 43	5 57	1 46	25 34	11 4	6 44	6 42	4 13	2 54	3 45
S 6	22 3	17 55	3 56	19 28	1 24	9 38	0 52	21 3	1 10	20 17	0 47	8 49	2 4	2 18	0 43	5 57	1 46	25 33	11 4	6 41	6 41	4 11	2 52	3 44
M 7	21 55	18 45	4 34	18 55	1 19	9 15	1 1	20 54	1 10	20 19	0 47	8 47	2 4	2 17	0 43	5 57	1 47	25 33	11 4	6 38	6 40	4 9	2 50	3 43
T 8	21 46	18 28	4 56	18 22	1 13	8 52	1 10	20 45	1 10	20 20	0 48	8 44	2 4	2 16	0 43	5 57	1 47	25 32	11 4	6 34	6 39	4 7	2 48	3 43
W 9	21 36	17 0	5 0	17 48	1 7	8 29	1 19	20 36	1 10	20 22	0 48	8 42	2 4	2 15	0 43	5 57	1 47	25 31	11 4	6 30	6 37	4 6	2 46	3 42
T 10	21 27	14 24	4 45	17 14	1 0	8 6	1 28	20 27	1 10	20 24	0 48	8 40	2 4	2 14	0 43	5 57	1 47	25 31	11 4	6 26	6 36	4 4	2 44	3 42
F 11	21 17	10 51	4 10	16 39	0 53	7 43	1 37	20 18	1 10	20 26	0 48	8 38	2 3	2 13	0 43	5 57	1 47	25 30	11 4	6 22	6 35	4 2	2 42	3 41
S 12	21 6	6 37	3 18	16 4	0 45	7 21	1 46	20 9	1 10	20 28	0 48	8 35	2 3	2 12	0 43	5 57	1 47	25 29	11 3	6 19	6 34	4 0	2 40	3 41
S 13	20 55	2 2	2 14	15 29	0 38	6 58	1 56	19 59	1 10	20 30	0 48	8 33	2 3	2 11	0 43	5 57	1 47	25 29	11 3	6 18	6 33	3 58	2 38	3 40
M14	20 44	2s37	1 2	14 53	0 29	6 36	2 6	19 50	1 10	20 32	0 49	8 31	2 3	2 10	0 43	5 57	1 47	25 28	11 3	6 17	6 31	3 56	2 36	3 40
T 15	20 33	7 1	0n13	14 17	0 21	6 14	2 16	19 40	1 10	20 34	0 49	8 28	2 3	2 9	0 43	5 57	1 47	25 27	11 3	6 17	6 30	3 54	2 34	3 39
W16	20 21	10 57	1 25	13 41	0 12	5 53	2 27	19 30	1 10	20 36	0 49	8 26	2 3	2 8	0 43	5 57	1 47	25 27	11 3	6 17	6 29	3 52	2 31	3 39
T 17	20 9	14 13	2 32	13 5	0 3	5 32	2 37	19 20	1 10	20 38	0 49	8 23	2 3	2 7	0 43	5 57	1 47	25 26	11 3	6 16	6 28	3 51	2 29	3 38
F 18	19 56	16 40	3 28	12 29	0s 6	5 11	2 48	19 10	1 10	20 39	0 49	8 21	2 3	2 6	0 42	5 57	1 47	25 25	11 3	6 15	6 26	3 49	2 27	3 38
S 19	19 43	18 11	4 12	11 53	0 15	4 51	2 59	19 0	1 10	20 41	0 49	8 18	2 3	2 5	0 42	5 57	1 47	25 25	11 3	6 13	6 25	3 47	2 25	3 37
S 20	19 30	18 44	4 43	11 18	0 25	4 31	3 10	18 50	1 9	20 43	0 49	8 16	2 3	2 4	0 42	5 57	1 47	25 24	11 3	6 10	6 24	3 45	2 22	3 37
M21	19 17	18 20	4 59	10 42	0 35	4 11	3 21	18 39	1 9	20 45	0 50	8 13	2 2	2 3	0 42	5 57	1 47	25 23	11 3	6 6	6 23	3 43	2 20	3 36
T 22	19 3	17 2	5 1	10 7	0 45	3 52	3 33	18 28	1 9	20 47	0 50	8 11	2 2	2 2	0 42	5 57	1 47	25 23	11 3	6 2	6 21	3 41	2 18	3 36
W23	18 49	14 59	4 48	9 33	0 55	3 33	3 44	18 18	1 9	20 49	0 50	8 8	2 2	2 1	0 42	5 57	1 48	25 22	11 3	5 57	6 20	3 39	2 15	3 35
T 24	18 34	12 17	4 22	8 58	1 5	3 15	3 56	18 7	1 9	20 51	0 50	8 6	2 2	2 0	0 42	5 57	1 48	25 21	11 3	5 53	6 19	3 37	2 13	3 35
F 25	18 19	9 6	3 45	8 25	1 16	2 58	4 8	17 56	1 9	20 52	0 50	8 3	2 2	1 59	0 42	5 56	1 48	25 21	11 3	5 49	6 18	3 36	2 10	3 34
S 26	18 4	5 35	2 58	7 52	1 26	2 41	4 20	17 45	1 9	20 54	0 50	8 1	2 2	1 57	0 42	5 56	1 48	25 20	11 3	5 46	6 17	3 34	2 8	3 34
S 27	17 49	1 52	2 4	7 20	1 37	2 25	4 32	17 33	1 9	20 56	0 50	7 58	2 2	1 56	0 42	5 56	1 48	25 19	11 3	5 44	6 15	3 32	2 5	3 33
M28	17 33	1n54	1 4	6 49	1 48	2 9	4 44	17 22	1 9	20 58	0 50	7 56	2 2	1 55	0 42	5 56	1 48	25 19	11 3	5 42	6 14	3 30	2 3	3 33
T 29	17 17	5 37	0 2	6 18	1 59	1 55	4 57	17 10	1 9	20 59	0 50	7 53	2 2	1 54	0 42	5 56	1 48	25 18	11 3	5 42	6 13	3 28	2 0	3 32
W30	17 1	9 8	1s 2	5 49	2 9	1 41	5 9	16 59	1 9	21 1	0 51	7 50	2 2	1 53	0 42	5 55	1 48	25 18	11 3	5 42	6 12	3 26	1 58	3 32
T 31	16n44	12n20	2s 4	5n21	2s20	1n27	5s21	16n47	1n 9	21s 3	0s51	7n48	2n 2	1n51	0n42	5n55	1s48	25n17	11n 3	5s43	6s10	3s24	1n55	3s32

Julian Day Number = 2164652.5, Delta T = 12m52s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'14, Lahiri = 12°54'14 Julian Calendar 1 July 1214 == Greg. Calendar 8 July 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

AUGUST 1214 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 4 50	14♌48'43	20♉36	11♍39	13♍50	18♌ 0	29°R56	15♍ 8	27♍ 0	19°R18	20♌ 9	14°R26	15♎34	15♓27	17♍ 6	F 1
S 2	21 8 47	15°46'29	3♊22	12°20	13°R50	18°39	29♏49	15°15	27° 3	19♈17	20°11	14♎24	15°31	15°33	17°14	S 2
S 3	21 12 43	16°44'17	16°35	12°58	13°48	19°17	29°42	15°22	27° 7	19°16	20°13	14°20	15°28	15°40	17°22	S 3
M 4	21 16 40	17°42'07	0♋16	13°31	13°43	19°55	29°35	15°29	27°10	19°16	20°15	14°15	15°25	15°47	17°30	M 4
T 5	21 20 37	18°39'59	14°26	14° 0	13°36	20°33	29°28	15°35	27°13	19°15	20°17	14° 7	15°21	15°53	17°38	T 5
W 6	21 24 33	19°37'52	29° 2	14°25	13°27	21°11	29°21	15°42	27°16	19°15	20°19	13°59	15°18	16° 0	17°46	W 6
T 7	21 28 30	20°35'47	13♌58	14°45	13°15	21°49	29°14	15°49	27°19	19°14	20°21	13°51	15°15	16° 7	17°54	T 7
F 8	21 32 26	21°33'43	29° 4	15° 0	13° 1	22°28	29° 7	15°56	27°22	19°13	20°23	13°44	15°12	16°13	18° 2	F 8
S 9	21 36 23	22°31'41	14♍12	15°10	12°45	23° 6	29° 1	16° 3	27°26	19°13	20°25	13°39	15° 9	16°20	18°10	S 9
S 10	21 40 19	23°29'41	29°12	15°R14	12°26	23°44	28°54	16°10	27°29	19°12	20°27	13°36	15° 6	16°27	18°18	S 10
M11	21 44 16	24°27'42	13♎56	15°13	12° 5	24°22	28°48	16°17	27°32	19°11	20°29	13°D35	15° 2	16°33	18°27	M11
T 12	21 48 12	25°25'44	28°19	15° 6	11°42	25° 1	28°42	16°24	27°36	19°10	20°31	13°36	14°59	16°40	18°35	T 12
W13	21 52 9	26°23'48	12♏19	14°52	11°17	25°39	28°36	16°31	27°39	19° 9	20°33	13°37	14°56	16°47	18°43	W13
T 14	21 56 6	27°21'53	25°56	14°33	10°50	26°17	28°30	16°39	27°42	19° 8	20°35	13°R37	14°53	16°53	18°51	T 14
F 15	22 0 2	28°19'59	9♐12	14° 7	10°21	26°55	28°24	16°46	27°46	19° 8	20°37	13°37	14°50	17° 0	19° 0	F 15
S 16	22 3 59	29°18'07	22° 9	13°35	9°50	27°34	28°18	16°53	27°49	19° 7	20°39	13°34	14°46	17° 7	19° 8	S 16
S 17	22 7 55	0♑16'17	4♑50	12°56	9°18	28°12	28°12	17° 0	27°52	19° 6	20°41	13°30	14°43	17°13	19°16	S 17
M18	22 11 52	1°14'28	17°17	12°13	8°44	28°50	28° 7	17° 7	27°56	19° 5	20°43	13°24	14°40	17°20	19°25	M18
T 19	22 15 48	2°12'41	29°33	11°24	8°10	29°29	28° 2	17°15	27°59	19° 4	20°45	13°17	14°37	17°27	19°33	T 19
W20	22 19 45	3°10'55	11♒41	10°31	7°34	0♑ 7	27°57	17°22	28° 3	19° 3	20°47	13° 9	14°34	17°33	19°42	W20
T 21	22 23 41	4° 9'11	23°40	9°34	6°58	0°45	27°52	17°29	28° 6	19° 2	20°49	13° 2	14°31	17°40	19°50	T 21
F 22	22 27 38	5° 7'29	5♓34	8°35	6°21	1°24	27°47	17°36	28°10	19° 1	20°51	12°56	14°27	17°47	19°59	F 22
S 23	22 31 35	6° 5'48	17°24	7°34	5°44	2° 2	27°42	17°44	28°14	18°59	20°53	12°52	14°24	17°53	20° 7	S 23
S 24	22 35 31	7° 4'10	29°12	6°33	5° 7	2°40	27°38	17°51	28°17	18°58	20°55	12°49	14°21	18° 0	20°16	S 24
M25	22 39 28	8° 2'33	11♈ 0	5°34	4°30	3°19	27°34	17°58	28°21	18°57	20°56	12°D48	14°18	18° 7	20°24	M25
T 26	22 43 24	9° 0'58	22°52	4°38	3°53	3°57	27°30	18° 6	28°24	18°56	20°58	12°48	14°15	18°13	20°33	T 26
W27	22 47 21	9°59'26	4♉50	3°45	3°18	4°35	27°26	18°13	28°28	18°55	21° 0	12°50	14°12	18°20	20°41	W27
T 28	22 51 17	10°57'56	17° 0	2°59	2°43	5°14	27°22	18°20	28°32	18°54	21° 2	12°52	14° 8	18°27	20°50	T 28
F 29	22 55 14	11°56'28	29°24	2°19	2°10	5°52	27°18	18°28	28°35	18°52	21° 4	12°53	14° 5	18°33	20°58	F 29
S 30	22 59 10	12°55'02	12♊ 8	1°46	1°38	6°31	27°15	18°35	28°39	18°51	21° 6	12°R54	14° 2	18°40	21° 7	S 30
S 31	23 3 7	13♍53'39	25♊15	1♍22	1♍ 7	7♍ 9	27♏12	18♍42	28♍43	18♈50	21♌ 8	12♎53	13♎59	18♓47	21♍16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n28	15n 4	3s 1	4n54	2s31	1n15	5s34	16n35	1n 9	21s 4	0s51	7n45	2n 2	1n50	0n42	5n55	1s48	25n16	11n 3	5s43	6s 9	3s23	1n52	3s31
S 2	16 10	17 8	3 52	4 28	2 42	1 4	5 46	16 23	1 9	21 6	0 51	7 42	2 2	1 49	0 42	5 55	1 48	25 16	11 3	5 42	6 8	3 21	1 50	3 31
S 3	15 53	18 22	4 31	4 4	2 52	0 53	5 58	16 11	1 9	21 8	0 51	7 40	2 2	1 48	0 42	5 54	1 48	25 15	11 3	5 41	6 7	3 19	1 47	3 30
M 4	15 35	18 35	4 57	3 42	3 2	0 44	6 11	15 59	1 9	21 9	0 51	7 37	2 2	1 46	0 42	5 54	1 48	25 14	11 3	5 38	6 6	3 17	1 44	3 30
T 5	15 18	17 41	5 6	3 22	3 12	0 35	6 23	15 47	1 9	21 11	0 51	7 34	2 1	1 45	0 42	5 54	1 48	25 14	11 3	5 35	6 4	3 15	1 41	3 30
W 6	14 59	15 37	4 56	3 3	3 22	0 28	6 34	15 35	1 8	21 12	0 51	7 31	2 1	1 44	0 42	5 54	1 48	25 13	11 3	5 32	6 3	3 13	1 39	3 29
T 7	14 41	12 28	4 25	2 47	3 32	0 21	6 46	15 22	1 8	21 14	0 51	7 29	2 1	1 43	0 42	5 53	1 48	25 13	11 4	5 29	6 2	3 11	1 36	3 29
F 8	14 23	8 28	3 36	2 33	3 40	0 16	6 58	15 10	1 8	21 15	0 51	7 26	2 1	1 41	0 42	5 53	1 48	25 12	11 4	5 26	6 1	3 9	1 33	3 28
S 9	14 4	3 55	2 32	2 21	3 49	0 12	7 9	14 57	1 8	21 17	0 51	7 23	2 1	1 40	0 42	5 53	1 49	25 11	11 4	5 24	5 59	3 8	1 30	3 28
S 10	13 45	0s51	1 17	2 12	3 57	0 9	7 19	14 44	1 8	21 18	0 51	7 20	2 1	1 39	0 42	5 52	1 49	25 11	11 4	5 23	5 58	3 6	1 28	3 28
M11	13 25	5 29	0n 2	2 6	4 4	0 8	7 30	14 31	1 8	21 19	0 51	7 18	2 1	1 37	0 42	5 52	1 49	25 10	11 4	5 23	5 57	3 4	1 25	3 27
T 12	13 6	9 41	1 19	2 3	4 10	0 7	7 40	14 18	1 8	21 21	0 51	7 15	2 1	1 36	0 42	5 52	1 49	25 10	11 4	5 23	5 56	3 2	1 22	3 27
W13	12 46	13 14	2 29	2 4	4 15	0 8	7 49	14 5	1 8	21 22	0 51	7 12	2 1	1 35	0 42	5 51	1 49	25 9	11 4	5 24	5 54	3 0	1 19	3 26
T 14	12 26	15 56	3 29	2 8	4 19	0 10	7 58	13 52	1 8	21 23	0 51	7 9	2 1	1 33	0 42	5 51	1 49	25 9	11 4	5 24	5 53	2 58	1 16	3 26
F 15	12 6	17 43	4 16	2 15	4 22	0 13	8 6	13 39	1 8	21 24	0 51	7 6	2 1	1 32	0 42	5 50	1 49	25 8	11 4	5 24	5 52	2 56	1 13	3 26
S 16	11 46	18 31	4 48	2 26	4 23	0 18	8 13	13 26	1 8	21 26	0 52	7 4	2 1	1 31	0 42	5 50	1 49	25 8	11 4	5 23	5 51	2 54	1 10	3 25
S 17	11 25	18 21	5 6	2 41	4 23	0 24	8 20	13 12	1 7	21 27	0 52	7 1	2 1	1 29	0 42	5 50	1 49	25 7	11 5	5 21	5 50	2 53	1 7	3 25
M18	11 5	17 19	5 9	2 59	4 21	0 30	8 26	12 59	1 7	21 28	0 52	6 58	2 1	1 28	0 42	5 49	1 49	25 6	11 5	5 19	5 48	2 51	1 4	3 25
T 19	10 44	15 29	4 57	3 21	4 17	0 39	8 31	12 45	1 7	21 29	0 52	6 55	2 1	1 26	0 42	5 49	1 49	25 6	11 5	5 16	5 47	2 49	1 1	3 24
W20	10 23	12 59	4 32	3 46	4 12	0 48	8 35	12 31	1 7	21 30	0 52	6 52	2 1	1 25	0 42	5 48	1 49	25 5	11 5	5 13	5 46	2 47	0 58	3 24
T 21	10 2	9 59	3 56	4 15	4 4	0 58	8 38	12 18	1 7	21 31	0 52	6 49	2 1	1 23	0 42	5 48	1 49	25 5	11 5	5 10	5 45	2 45	0 55	3 24
F 22	9 40	6 35	3 9	4 46	3 55	1 9	8 41	12 4	1 7	21 32	0 52	6 46	2 1	1 22	0 42	5 47	1 49	25 4	11 5	5 8	5 43	2 43	0 52	3 23
S 23	9 19	2 56	2 14	5 19	3 43	1 21	8 42	11 50	1 7	21 33	0 52	6 44	2 1	1 21	0 42	5 47	1 49	25 4	11 5	5 6	5 42	2 41	0 49	3 23
S 24	8 57	0n48	1 14	5 54	3 30	1 34	8 43	11 36	1 7	21 34	0 52	6 41	2 1	1 19	0 42	5 47	1 49	25 3	11 6	5 5	5 41	2 39	0 46	3 23
M25	8 35	4 31	0 10	6 29	3 15	1 47	8 42	11 22	1 6	21 35	0 52	6 38	2 1	1 18	0 42	5 46	1 49	25 3	11 6	5 5	5 40	2 38	0 43	3 22
T 26	8 13	8 5	0s55	7 5	2 59	2 2	8 41	11 8	1 6	21 36	0 52	6 35	2 1	1 16	0 42	5 46	1 49	25 2	11 6	5 5	5 38	2 36	0 40	3 22
W27	7 51	11 20	1 58	7 40	2 41	2 16	8 39	10 54	1 6	21 36	0 52	6 32	2 1	1 15	0 41	5 45	1 49	25 2	11 6	5 5	5 37	2 34	0 37	3 22
T 28	7 29	14 9	2 57	8 15	2 22	2 32	8 35	10 39	1 6	21 37	0 52	6 29	2 1	1 13	0 41	5 45	1 49	25 1	11 6	5 6	5 36	2 32	0 34	3 22
F 29	7 7	16 23	3 48	8 47	2 3	2 47	8 31	10 25	1 6	21 38	0 52	6 26	2 1	1 12	0 41	5 44	1 50	25 1	11 6	5 7	5 35	2 30	0 31	3 21
S 30	6 44	17 52	4 30	9 17	1 43	3 3	8 26	10 11	1 6	21 38	0 52	6 23	2 1	1 10	0 41	5 44	1 50	25 0	11 7	5 7	5 33	2 28	0 27	3 21
S 31	6n22	18n28	5s 0	9n44	1s24	3n19	8s21	9n56	1n 6	21s39	0s52	6n21	2n 1	1n 9	0n41	5n43	1s50	25n 0	11n 7	5s 7	5s32	2s26	0n24	3s21

Julian Day Number = 2164683.5, Delta T = 12m52s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'18, Lahiri = 12°54'18 Julian Calendar 1 Aug. 1214 == Greg. Calendar 8 Aug. 1214

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1214
geocentric

SEPTEMBER 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 7 3	14♍52'17	8♋50	1°R 8	0°R38	7♍48	27°R 9	18♍50	28♍46	18°R48	21♌10	12°R51	13♎56	18♓53	21♍24	M 1
T 2	23 11 0	15°50'58	22°52	1°D 3	0♍12	8°26	27♑ 6	18°57	28°50	18♈47	21°12	12♎49	13°52	19° 0	21°33	T 2
W 3	23 14 57	16°49'42	7♌21	1♍ 8	29♌47	9° 5	27° 3	19° 5	28°54	18°46	21°13	12°45	13°49	19° 7	21°42	W 3
T 4	23 18 53	17°48'27	22°12	1°22	29°24	9°43	27° 1	19°12	28°57	18°44	21°15	12°42	13°46	19°13	21°50	T 4
F 5	23 22 50	18°47'15	7♍20	1°47	29° 3	10°22	26°58	19°20	29° 1	18°43	21°17	12°38	13°43	19°20	21°59	F 5
S 6	23 26 46	19°46'04	22°34	2°20	28°45	11° 0	26°56	19°27	29° 5	18°42	21°19	12°36	13°40	19°26	22° 8	S 6
S 7	23 30 43	20°44'56	7♎44	3° 3	28°29	11°39	26°55	19°34	29° 9	18°40	21°21	12°D35	13°37	19°33	22°16	S 7
M 8	23 34 39	21°43'50	22°42	3°54	28°16	12°17	26°53	19°42	29°12	18°39	21°22	12°36	13°33	19°40	22°25	M 8
T 9	23 38 36	22°42'45	7♏19	4°52	28° 4	12°56	26°51	19°49	29°16	18°37	21°24	12°37	13°30	19°46	22°34	T 9
W10	23 42 32	23°41'43	21°32	5°58	27°56	13°34	26°50	19°57	29°20	18°36	21°26	12°38	13°27	19°53	22°42	W10
T 11	23 46 29	24°40'42	5♐18	7°11	27°49	14°13	26°49	20° 4	29°24	18°34	21°28	12°39	13°24	20° 0	22°51	T 11
F 12	23 50 26	25°39'43	18°39	8°29	27°45	14°52	26°48	20°11	29°27	18°33	21°29	12°40	13°21	20° 6	23° 0	F 12
S 13	23 54 22	26°38'46	1♑37	9°52	27°D44	15°30	26°47	20°19	29°31	18°31	21°31	12°R40	13°18	20°13	23° 8	S 13
S 14	23 58 19	27°37'50	14°14	11°19	27°45	16° 9	26°47	20°26	29°35	18°30	21°33	12°39	13°14	20°20	23°17	S 14
M15	0 2 15	28°36'57	26°35	12°50	27°48	16°47	26°47	20°33	29°39	18°28	21°34	12°38	13°11	20°26	23°26	M15
T 16	0 6 12	29°36'05	8♒43	14°25	27°53	17°26	26°D46	20°41	29°43	18°26	21°36	12°36	13° 8	20°33	23°34	T 16
W17	0 10 8	0♎35'15	20°42	16° 2	28° 1	18° 5	26°46	20°48	29°46	18°25	21°38	12°34	13° 5	20°40	23°43	W17
T 18	0 14 5	1°34'27	2♓34	17°41	28°11	18°44	26°47	20°56	29°50	18°23	21°39	12°33	13° 2	20°46	23°52	T 18
F 19	0 18 1	2°33'40	14°24	19°22	28°23	19°22	26°47	21° 3	29°54	18°22	21°41	12°31	12°58	20°53	24° 0	F 19
S 20	0 21 58	3°32'56	26°12	21° 4	28°37	20° 1	26°48	21°10	29°58	18°20	21°42	12°30	12°55	21° 0	24° 9	S 20
S 21	0 25 54	4°32'14	8♈ 2	22°47	28°54	20°40	26°49	21°17	0♎ 1	18°19	21°44	12°D30	12°52	21° 6	24°18	S 21
M22	0 29 51	5°31'34	19°55	24°31	29°12	21°18	26°50	21°25	0° 5	18°17	21°45	12°30	12°49	21°13	24°26	M22
T 23	0 33 48	6°30'56	1♉55	26°16	29°32	21°57	26°51	21°32	0° 9	18°15	21°47	12°30	12°46	21°20	24°35	T 23
W24	0 37 44	7°30'21	14° 2	28° 0	29°54	22°36	26°53	21°39	0°13	18°14	21°49	12°31	12°43	21°26	24°43	W24
T 25	0 41 41	8°29'47	26°19	29°45	0♍18	23°15	26°54	21°46	0°17	18°12	21°50	12°31	12°39	21°33	24°52	T 25
F 26	0 45 37	9°29'16	8♊50	1♎30	0°44	23°54	26°56	21°54	0°20	18°10	21°51	12°32	12°36	21°40	25° 0	F 26
S 27	0 49 34	10°28'48	21°37	3°14	1°11	24°33	26°58	22° 1	0°24	18° 9	21°53	12°32	12°33	21°46	25° 9	S 27
S 28	0 53 30	11°28'21	4♋43	4°59	1°40	25°11	27° 1	22° 8	0°28	18° 7	21°54	12°32	12°30	21°53	25°17	S 28
M29	0 57 27	12°27'57	18°10	6°43	2°10	25°50	27° 3	22°15	0°31	18° 5	21°56	12°32	12°27	22° 0	25°26	M29
T 30	1 1 23	13♎27'35	2♌ 0	8♎26	2♍42	26♍29	27♑ 6	22♍22	0♎35	18♈ 4	21♌57	12♎32	12♎23	22♓ 6	25♍34	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n59	18n 2	5s14	10n 7	1s 4	3n35	8s14	9n42	1n 5	21s40	0s52	6n18	2n 1	1n 7	0n41	5n42	1s50	25n 0	11n 7	5s 6	5s31	2s24	0n21	3s20
T 2	5 36	16 30	5 10	10 27	0 45	3 51	8 7	9 27	1 5	21 40	0 52	6 15	2 1	1 6	0 41	5 42	1 50	24 59	11 7	5 5	5 30	2 23	0 18	3 20
W 3	5 13	13 54	4 46	10 42	0 26	4 7	7 59	9 12	1 5	21 41	0 52	6 12	2 1	1 4	0 41	5 41	1 50	24 59	11 7	5 3	5 28	2 21	0 15	3 20
T 4	4 50	10 20	4 3	10 54	0 9	4 22	7 51	8 58	1 5	21 41	0 51	6 9	2 1	1 3	0 41	5 41	1 50	24 58	11 8	5 2	5 27	2 19	0 12	3 20
F 5	4 27	6 2	3 2	11 1	0n 8	4 38	7 42	8 43	1 5	21 41	0 51	6 6	2 1	1 1	0 41	5 40	1 50	24 58	11 8	5 1	5 26	2 17	0 8	3 19
S 6	4 4	1 18	1 48	11 3	0 23	4 53	7 33	8 28	1 5	21 42	0 51	6 3	2 1	1 0	0 41	5 40	1 50	24 58	11 8	5 0	5 25	2 15	0 5	3 19
S 7	3 41	3s30	0 27	11 1	0 38	5 7	7 23	8 13	1 5	21 42	0 51	6 0	2 1	0 58	0 41	5 39	1 50	24 57	11 8	5 0	5 24	2 13	0 2	3 19
M 8	3 18	8 0	0n56	10 55	0 51	5 22	7 13	7 58	1 4	21 43	0 51	5 57	2 1	0 57	0 41	5 39	1 50	24 57	11 8	5 0	5 22	2 11	0s 1	3 19
T 9	2 54	11 55	2 13	10 44	1 3	5 35	7 2	7 43	1 4	21 43	0 51	5 55	2 2	0 55	0 41	5 38	1 50	24 56	11 9	5 0	5 21	2 9	0 4	3 18
W10	2 31	15 1	3 19	10 30	1 13	5 48	6 51	7 28	1 4	21 43	0 51	5 52	2 2	0 54	0 41	5 37	1 50	24 56	11 9	5 1	5 20	2 8	0 8	3 18
T 11	2 7	17 9	4 12	10 11	1 23	6 1	6 40	7 13	1 4	21 43	0 51	5 49	2 2	0 52	0 41	5 37	1 50	24 56	11 9	5 1	5 19	2 6	0 11	3 18
F 12	1 44	18 15	4 49	9 50	1 31	6 13	6 29	6 58	1 4	21 43	0 51	5 46	2 2	0 51	0 41	5 36	1 50	24 55	11 9	5 1	5 17	2 4	0 14	3 18
S 13	1 20	18 21	5 11	9 24	1 38	6 24	6 17	6 43	1 3	21 43	0 51	5 43	2 2	0 49	0 41	5 36	1 50	24 55	11 10	5 1	5 16	2 2	0 17	3 18
S 14	0 57	17 32	5 17	8 56	1 43	6 35	6 5	6 28	1 3	21 43	0 51	5 40	2 2	0 48	0 41	5 35	1 50	24 55	11 10	5 1	5 15	2 0	0 21	3 17
M15	0 33	15 54	5 7	8 25	1 48	6 45	5 54	6 12	1 3	21 43	0 51	5 37	2 2	0 46	0 41	5 34	1 50	24 54	11 10	5 1	5 14	1 58	0 24	3 17
T 16	0 10	13 35	4 45	7 52	1 51	6 54	5 42	5 57	1 3	21 43	0 51	5 34	2 2	0 45	0 41	5 34	1 50	24 54	11 10	5 0	5 12	1 56	0 27	3 17
W17	0s14	10 43	4 10	7 17	1 54	7 3	5 30	5 42	1 3	21 43	0 51	5 32	2 2	0 43	0 41	5 33	1 50	24 54	11 11	4 59	5 11	1 54	0 30	3 17
T 18	0 38	7 26	3 24	6 39	1 55	7 11	5 18	5 26	1 3	21 43	0 51	5 29	2 2	0 42	0 41	5 32	1 50	24 53	11 11	4 59	5 10	1 53	0 34	3 17
F 19	1 1	3 52	2 30	6 0	1 56	7 18	5 6	5 11	1 2	21 43	0 51	5 26	2 2	0 40	0 41	5 32	1 50	24 53	11 11	4 58	5 9	1 51	0 37	3 16
S 20	1 25	0 9	1 29	5 19	1 56	7 24	4 54	4 55	1 2	21 43	0 51	5 23	2 2	0 39	0 41	5 31	1 50	24 53	11 12	4 58	5 7	1 49	0 40	3 16
S 21	1 49	3n35	0 25	4 38	1 55	7 29	4 43	4 40	1 2	21 43	0 51	5 20	2 2	0 37	0 41	5 31	1 50	24 53	11 12	4 58	5 6	1 47	0 43	3 16
M22	2 12	7 11	0s41	3 55	1 53	7 34	4 31	4 24	1 2	21 42	0 51	5 18	2 2	0 36	0 41	5 30	1 50	24 52	11 12	4 58	5 5	1 45	0 47	3 16
T 23	2 36	10 32	1 46	3 11	1 51	7 38	4 19	4 9	1 1	21 42	0 51	5 15	2 3	0 34	0 41	5 29	1 50	24 52	11 12	4 58	5 4	1 43	0 50	3 16
W24	2 59	13 28	2 47	2 27	1 48	7 41	4 8	3 53	1 1	21 42	0 51	5 12	2 3	0 33	0 41	5 29	1 50	24 52	11 13	4 58	5 2	1 41	0 53	3 16
T 25	3 23	15 50	3 40	1 42	1 45	7 44	3 56	3 38	1 1	21 41	0 51	5 9	2 3	0 31	0 41	5 28	1 50	24 52	11 13	4 58	5 1	1 40	0 56	3 15
F 26	3 46	17 30	4 25	0 57	1 42	7 45	3 45	3 22	1 1	21 41	0 51	5 6	2 3	0 30	0 41	5 27	1 50	24 52	11 13	4 58	5 0	1 38	1 0	3 15
S 27	4 10	18 20	4 57	0 12	1 37	7 46	3 34	3 6	1 1	21 41	0 51	5 4	2 3	0 28	0 41	5 27	1 50	24 51	11 14	4 58	4 59	1 36	1 3	3 15
S 28	4 33	18 12	5 15	0s34	1 33	7 46	3 23	2 51	1 0	21 40	0 50	5 1	2 3	0 27	0 41	5 26	1 50	24 51	11 14	4 58	4 57	1 34	1 6	3 15
M29	4 57	17 4	5 17	1 19	1 28	7 46	3 12	2 35	1 0	21 40	0 50	4 58	2 3	0 25	0 41	5 25	1 50	24 51	11 14	4 58	4 56	1 32	1 9	3 15
T 30	5s20	14n55	5s 0	2s 5	1n23	7n44	3s 1	2n19	1n 0	21s39	0s50	4n55	2n 3	0n24	0n41	5n25	1s50	24n51	11n15	4s58	4s55	1s30	1s13	3s15

Julian Day Number = 2164714.5, Delta T = 12m52s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'22, Lahiri = 12°54'23 Julian Calendar 1 Sept. 1214 == Greg. Calendar 8 Sept. 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

OCTOBER 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 5 20	14♎27'16	16♌14	10♎ 9	3♍16	27♍ 8	27♑ 8	22♍29	0♎39	18°R 2	21♌58	12♎32	12♎20	22♓13	25♍43	W 1
T 2	1 9 17	15°26'59	0♍49	11°52	3°51	27°47	27°11	22°36	0°43	18♈ 0	22° 0	12°33	12°17	22°20	25°51	T 2
F 3	1 13 13	16°26'44	15°41	13°34	4°27	28°26	27°15	22°43	0°46	17°59	22° 1	12°33	12°14	22°26	26° 0	F 3
S 4	1 17 10	17°26'31	0♎43	15°15	5° 5	29° 5	27°18	22°50	0°50	17°57	22° 2	12°33	12°11	22°33	26° 8	S 4
S 5	1 21 6	18°26'21	15°48	16°56	5°43	29°44	27°22	22°57	0°54	17°55	22° 4	12°R33	12° 8	22°39	26°16	S 5
M 6	1 25 3	19°26'12	0♏47	18°36	6°23	0♎23	27°25	23° 4	0°57	17°54	22° 5	12°33	12° 4	22°46	26°25	M 6
T 7	1 28 59	20°26'06	15°30	20°16	7° 5	1° 2	27°29	23°11	1° 1	17°52	22° 6	12°32	12° 1	22°53	26°33	T 7
W 8	1 32 56	21°26'01	29°52	21°56	7°47	1°41	27°34	23°18	1° 5	17°50	22° 7	12°31	11°58	22°59	26°41	W 8
T 9	1 36 52	22°25'58	13♐48	23°34	8°30	2°20	27°38	23°25	1° 8	17°48	22° 8	12°30	11°55	23° 6	26°49	T 9
F 10	1 40 49	23°25'57	27°17	25°12	9°15	2°59	27°42	23°31	1°12	17°47	22°10	12°29	11°52	23°13	26°57	F 10
S 11	1 44 46	24°25'58	10♑21	26°50	10° 0	3°38	27°47	23°38	1°15	17°45	22°11	12°28	11°49	23°19	27° 6	S 11
S 12	1 48 42	25°26'00	23° 1	28°27	10°46	4°17	27°52	23°45	1°19	17°43	22°12	12°D28	11°45	23°26	27°14	S 12
M13	1 52 39	26°26'04	5♒21	0♏ 4	11°34	4°57	27°57	23°52	1°22	17°42	22°13	12°28	11°42	23°33	27°22	M13
T 14	1 56 35	27°26'09	17°27	1°40	12°22	5°36	28° 2	23°58	1°26	17°40	22°14	12°29	11°39	23°39	27°30	T 14
W15	2 0 32	28°26'16	29°22	3°16	13°11	6°15	28° 8	24° 5	1°29	17°38	22°15	12°30	11°36	23°46	27°38	W15
T 16	2 4 28	29°26'25	11♓11	4°51	14° 1	6°54	28°13	24°11	1°33	17°37	22°16	12°31	11°33	23°53	27°46	T 16
F 17	2 8 25	0♏26'35	22°59	6°26	14°51	7°33	28°19	24°18	1°36	17°35	22°17	12°33	11°29	23°59	27°54	F 17
S 18	2 12 21	1°26'47	4♈49	8° 1	15°43	8°13	28°25	24°24	1°40	17°34	22°18	12°34	11°26	24° 6	28° 1	S 18
S 19	2 16 18	2°27'01	16°43	9°35	16°35	8°52	28°31	24°31	1°43	17°32	22°19	12°R34	11°23	24°13	28° 9	S 19
M20	2 20 15	3°27'16	28°45	11° 9	17°28	9°31	28°37	24°37	1°46	17°30	22°20	12°33	11°20	24°19	28°17	M20
T 21	2 24 11	4°27'33	10♉57	12°42	18°21	10°10	28°44	24°43	1°50	17°29	22°20	12°31	11°17	24°26	28°25	T 21
W22	2 28 8	5°27'52	23°19	14°15	19°16	10°50	28°50	24°49	1°53	17°27	22°21	12°28	11°14	24°33	28°32	W22
T 23	2 32 4	6°28'13	5♊52	15°48	20°10	11°29	28°57	24°56	1°56	17°26	22°22	12°24	11°10	24°39	28°40	T 23
F 24	2 36 1	7°28'36	18°39	17°20	21° 6	12° 8	29° 4	25° 2	2° 0	17°24	22°23	12°20	11° 7	24°46	28°48	F 24
S 25	2 39 57	8°29'00	1♋39	18°52	22° 2	12°48	29°11	25° 8	2° 3	17°22	22°23	12°16	11° 4	24°53	28°55	S 25
S 26	2 43 54	9°29'27	14°52	20°24	22°59	13°27	29°18	25°14	2° 6	17°21	22°24	12°13	11° 1	24°59	29° 3	S 26
M27	2 47 50	10°29'55	28°21	21°55	23°56	14° 7	29°26	25°20	2° 9	17°19	22°25	12°11	10°58	25° 6	29°10	M27
T 28	2 51 47	11°30'26	12♌ 6	23°27	24°54	14°46	29°33	25°26	2°12	17°18	22°25	12°D10	10°54	25°12	29°17	T 28
W29	2 55 44	12°30'58	26° 6	24°57	25°53	15°25	29°41	25°32	2°16	17°16	22°26	12°11	10°51	25°19	29°25	W29
T 30	2 59 40	13°31'32	10♍21	26°28	26°51	16° 5	29°49	25°37	2°19	17°15	22°27	12°12	10°48	25°26	29°32	T 30
F 31	3 3 37	14♏32'08	24♍50	27♏58	27♍51	16♎44	29♑57	25♍43	2♎22	17♈13	22♌27	12♎14	10♎45	25♓32	29♍39	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s43	11n49	4s25	2s51	1n18	7n42	2s51	2n 3	1n 0	21s38	0s50	4n53	2n 3	0n22	0n41	5n24	1s50	24n51	11n15	4s58	4s54	1s28	1s16	3s15
T 2	6 6	7 55	3 32	3 36	1 12	7 39	2 40	1 48	0 59	21 38	0 50	4 50	2 3	0 21	0 41	5 23	1 50	24 51	11 15	4 59	4 52	1 26	1 19	3 14
F 3	6 30	3 27	2 24	4 21	1 7	7 36	2 30	1 32	0 59	21 37	0 50	4 47	2 4	0 19	0 41	5 23	1 50	24 50	11 16	4 59	4 51	1 25	1 22	3 14
S 4	6 53	1s17	1 5	5 6	1 1	7 31	2 20	1 16	0 59	21 36	0 50	4 45	2 4	0 18	0 41	5 22	1 50	24 50	11 16	4 59	4 50	1 23	1 25	3 14
S 5	7 15	5 58	0n18	5 50	0 55	7 26	2 10	1 0	0 59	21 36	0 50	4 42	2 4	0 17	0 41	5 22	1 50	24 50	11 16	4 59	4 49	1 21	1 29	3 14
M 6	7 38	10 14	1 40	6 35	0 48	7 21	2 0	0 44	0 58	21 35	0 50	4 39	2 4	0 15	0 41	5 21	1 50	24 50	11 17	4 59	4 48	1 19	1 32	3 14
T 7	8 1	13 47	2 53	7 18	0 42	7 14	1 51	0 29	0 58	21 34	0 50	4 37	2 4	0 14	0 41	5 20	1 50	24 50	11 17	4 58	4 46	1 17	1 35	3 14
W 8	8 23	16 24	3 54	8 2	0 35	7 7	1 41	0 13	0 58	21 33	0 50	4 34	2 4	0 12	0 41	5 20	1 50	24 50	11 17	4 58	4 45	1 15	1 38	3 14
T 9	8 46	17 56	4 39	8 45	0 29	7 0	1 32	0s 3	0 58	21 32	0 50	4 32	2 4	0 11	0 41	5 19	1 50	24 50	11 18	4 58	4 44	1 13	1 41	3 14
F 10	9 8	18 24	5 6	9 27	0 22	6 51	1 23	0 19	0 57	21 31	0 50	4 29	2 4	0 9	0 41	5 18	1 50	24 50	11 18	4 57	4 43	1 11	1 45	3 14
S 11	9 30	17 52	5 17	10 9	0 16	6 42	1 14	0 35	0 57	21 30	0 50	4 27	2 5	0 8	0 41	5 18	1 50	24 50	11 19	4 57	4 41	1 10	1 48	3 13
S 12	9 53	16 26	5 12	10 50	0 9	6 33	1 5	0 51	0 57	21 29	0 50	4 24	2 5	0 7	0 41	5 17	1 50	24 50	11 19	4 57	4 40	1 8	1 51	3 13
M13	10 14	14 17	4 52	11 30	0 2	6 23	0 57	1 6	0 57	21 28	0 50	4 21	2 5	0 5	0 41	5 16	1 50	24 50	11 19	4 57	4 39	1 6	1 54	3 13
T 14	10 36	11 32	4 20	12 10	0s 4	6 12	0 49	1 22	0 56	21 27	0 50	4 19	2 5	0 4	0 41	5 16	1 50	24 50	11 20	4 57	4 38	1 4	1 57	3 13
W15	10 58	8 21	3 37	12 50	0 11	6 1	0 41	1 38	0 56	21 26	0 50	4 16	2 5	0 2	0 41	5 15	1 50	24 50	11 20	4 57	4 36	1 2	2 0	3 13
T 16	11 19	4 51	2 45	13 28	0 18	5 49	0 33	1 54	0 56	21 25	0 49	4 14	2 5	0 1	0 41	5 15	1 50	24 50	11 20	4 58	4 35	1 0	2 3	3 13
F 17	11 40	1 10	1 46	14 6	0 24	5 36	0 25	2 10	0 55	21 23	0 49	4 12	2 5	0s 0	0 42	5 14	1 50	24 50	11 21	4 59	4 34	0 58	2 7	3 13
S 18	12 2	2n34	0 43	14 44	0 31	5 23	0 17	2 26	0 55	21 22	0 49	4 9	2 6	0 2	0 42	5 13	1 50	24 50	11 21	4 59	4 33	0 57	2 10	3 13
S 19	12 22	6 15	0s23	15 20	0 38	5 10	0 10	2 41	0 55	21 21	0 49	4 7	2 6	0 3	0 42	5 13	1 50	24 50	11 22	4 59	4 31	0 55	2 13	3 13
M20	12 43	9 42	1 28	15 56	0 44	4 56	0 3	2 57	0 55	21 19	0 49	4 4	2 6	0 4	0 42	5 12	1 50	24 50	11 22	4 59	4 30	0 53	2 16	3 13
T 21	13 4	12 47	2 30	16 31	0 50	4 41	0n 4	3 13	0 54	21 18	0 49	4 2	2 6	0 6	0 42	5 12	1 50	24 50	11 22	4 58	4 29	0 51	2 19	3 13
W22	13 24	15 21	3 26	17 5	0 57	4 26	0 11	3 29	0 54	21 17	0 49	4 0	2 6	0 7	0 42	5 11	1 50	24 50	11 23	4 57	4 28	0 49	2 22	3 13
T 23	13 44	17 14	4 13	17 38	1 3	4 11	0 18	3 44	0 54	21 15	0 49	3 57	2 6	0 8	0 42	5 10	1 50	24 50	11 23	4 55	4 26	0 47	2 25	3 13
F 24	14 4	18 16	4 48	18 11	1 9	3 55	0 24	4 0	0 53	21 14	0 49	3 55	2 7	0 10	0 42	5 10	1 50	24 50	11 23	4 54	4 25	0 45	2 28	3 13
S 25	14 23	18 23	5 9	18 42	1 15	3 38	0 31	4 16	0 53	21 12	0 49	3 53	2 7	0 11	0 42	5 9	1 50	24 50	11 24	4 52	4 24	0 43	2 31	3 13
S 26	14 43	17 31	5 14	19 13	1 21	3 22	0 37	4 31	0 53	21 11	0 49	3 51	2 7	0 12	0 42	5 9	1 50	24 51	11 24	4 51	4 23	0 42	2 34	3 13
M27	15 2	15 39	5 2	19 43	1 26	3 4	0 43	4 47	0 52	21 9	0 49	3 48	2 7	0 13	0 42	5 8	1 50	24 51	11 25	4 50	4 21	0 40	2 37	3 13
T 28	15 21	12 53	4 32	20 12	1 32	2 47	0 49	5 3	0 52	21 7	0 49	3 46	2 7	0 15	0 42	5 8	1 50	24 51	11 25	4 50	4 20	0 38	2 40	3 13
W29	15 39	9 19	3 47	20 39	1 37	2 28	0 54	5 18	0 52	21 6	0 49	3 44	2 8	0 16	0 42	5 7	1 50	24 51	11 25	4 50	4 19	0 36	2 42	3 13
T 30	15 58	5 9	2 46	21 6	1 42	2 10	1 0	5 34	0 51	21 4	0 49	3 42	2 8	0 17	0 42	5 6	1 50	24 51	11 26	4 51	4 18	0 34	2 45	3 13
F 31	16s16	0n38	1s34	21s32	1s47	1n51	1n 5	5s49	0n51	21s 2	0s49	3n40	2n 8	0s18	0n42	5n 6	1s50	24n51	11n26	4s51	4s16	0s32	2s48	3s13

Julian Day Number = 2164744.5, Delta T = 12m52s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'26, Lahiri = 12°54'27 Julian Calendar 1 Oct. 1214 == Greg. Calendar 8 Oct. 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

NOVEMBER 1214 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 33	15♏32'45	9♎28	29♏28	28♍51	17♎24	0♒ 5	25♍49	2♎25	17°R12	22♌28	12°R15	10♎42	25♓39	29♍46	S 1
S 2	3 11 30	16°33'25	24°12	0♐58	29°51	18° 3	0°13	25°54	2°28	17♈11	22°28	12♎14	10°39	25°46	29°53	S 2
M 3	3 15 26	17°34'06	8♏54	2°27	0♎52	18°43	0°21	26° 0	2°31	17° 9	22°29	12°12	10°35	25°52	0♎ 0	M 3
T 4	3 19 23	18°34'48	23°27	3°56	1°53	19°23	0°30	26° 5	2°34	17° 8	22°29	12° 8	10°32	25°59	0° 7	T 4
W 5	3 23 19	19°35'32	7♐45	5°24	2°55	20° 2	0°39	26°11	2°36	17° 6	22°30	12° 2	10°29	26° 6	0°14	W 5
T 6	3 27 16	20°36'18	21°43	6°52	3°57	20°42	0°47	26°16	2°39	17° 5	22°30	11°56	10°26	26°12	0°21	T 6
F 7	3 31 12	21°37'04	5♑16	8°20	4°59	21°21	0°56	26°21	2°42	17° 4	22°30	11°49	10°23	26°19	0°27	F 7
S 8	3 35 9	22°37'52	18°24	9°46	6° 2	22° 1	1° 6	26°26	2°45	17° 2	22°31	11°43	10°20	26°26	0°34	S 8
S 9	3 39 6	23°38'41	1♒ 8	11°13	7° 5	22°41	1°15	26°32	2°48	17° 1	22°31	11°39	10°16	26°32	0°41	S 9
M10	3 43 2	24°39'30	13°32	12°38	8° 8	23°20	1°24	26°37	2°50	17° 0	22°31	11°37	10°13	26°39	0°47	M10
T 11	3 46 59	25°40'21	25°38	14° 2	9°12	24° 0	1°34	26°42	2°53	16°59	22°31	11°D36	10°10	26°46	0°53	T 11
W12	3 50 55	26°41'12	7♓33	15°26	10°16	24°40	1°43	26°46	2°56	16°57	22°31	11°36	10° 7	26°52	1° 0	W12
T 13	3 54 52	27°42'05	19°22	16°48	11°21	25°20	1°53	26°51	2°58	16°56	22°32	11°38	10° 4	26°59	1° 6	T 13
F 14	3 58 48	28°42'58	1♈10	18° 9	12°25	25°59	2° 3	26°56	3° 1	16°55	22°32	11°39	10° 0	27° 6	1°12	F 14
S 15	4 2 45	29°43'52	13° 1	19°29	13°30	26°39	2°13	27° 1	3° 3	16°54	22°32	11°R40	9°57	27°12	1°18	S 15
S 16	4 6 41	0♐44'48	25° 1	20°46	14°36	27°19	2°23	27° 5	3° 6	16°53	22°32	11°39	9°54	27°19	1°24	S 16
M17	4 10 38	1°45'44	7♉11	22° 2	15°41	27°59	2°33	27°10	3° 8	16°52	22°R32	11°35	9°51	27°25	1°30	M17
T 18	4 14 35	2°46'41	19°36	23°15	16°47	28°39	2°43	27°14	3°10	16°51	22°32	11°30	9°48	27°32	1°36	T 18
W19	4 18 31	3°47'39	2♊16	24°25	17°53	29°19	2°54	27°18	3°13	16°50	22°32	11°22	9°45	27°39	1°42	W19
T 20	4 22 28	4°48'37	15°11	25°32	19° 0	29°58	3° 4	27°23	3°15	16°49	22°32	11°12	9°41	27°45	1°48	T 20
F 21	4 26 24	5°49'37	28°21	26°36	20° 6	0♏38	3°15	27°27	3°17	16°48	22°32	11° 2	9°38	27°52	1°53	F 21
S 22	4 30 21	6°50'38	11♋43	27°35	21°13	1°18	3°26	27°31	3°19	16°47	22°32	10°53	9°35	27°59	1°59	S 22
S 23	4 34 17	7°51'40	25°17	28°29	22°20	1°58	3°37	27°35	3°22	16°46	22°31	10°44	9°32	28° 5	2° 4	S 23
M24	4 38 14	8°52'43	9♌ 0	29°18	23°28	2°38	3°48	27°39	3°24	16°45	22°31	10°38	9°29	28°12	2°10	M24
T 25	4 42 11	9°53'47	22°50	29°59	24°35	3°18	3°59	27°43	3°26	16°44	22°31	10°34	9°26	28°19	2°15	T 25
W26	4 46 7	10°54'52	6♍48	0♑35	25°43	3°58	4°10	27°46	3°28	16°43	22°31	10°D33	9°22	28°25	2°20	W26
T 27	4 50 4	11°55'58	20°52	1° 2	26°51	4°38	4°21	27°50	3°30	16°42	22°31	10°33	9°19	28°32	2°25	T 27
F 28	4 54 0	12°57'05	5♎ 2	1°20	27°59	5°18	4°33	27°54	3°32	16°42	22°30	10°R34	9°16	28°39	2°30	F 28
S 29	4 57 57	13°58'12	19°16	1°R29	29° 8	5°59	4°44	27°57	3°33	16°41	22°30	10°33	9°13	28°45	2°35	S 29
S 30	5 1 53	14♐59'21	3♏32	1♑27	0♏16	6♏39	4♒56	28♍ 0	3♎35	16♈40	22♌30	10♎31	9♎10	28♓52	2♎40	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s34	4s 0	0s15	21s57	1s52	1n32	1n10	6s 5	0n51	21s 1	0s49	3n38	2n 8	0s19	0n42	5n 5	1s50	24n52	11n27	4s52	4s15	0s30	2s51	3s13
S 2	16 51	8 25	1n 5	22 20	1 56	1 12	1 15	6 20	0 50	20 59	0 49	3 36	2 8	0 21	0 42	5 5	1 50	24 52	11 27	4 51	4 14	0 29	2 54	3 13
M 3	17 9	12 18	2 20	22 43	2 1	0 52	1 20	6 36	0 50	20 57	0 49	3 34	2 9	0 22	0 42	5 4	1 50	24 52	11 28	4 50	4 13	0 27	2 57	3 13
T 4	17 26	15 23	3 26	23 4	2 5	0 32	1 24	6 51	0 50	20 55	0 48	3 32	2 9	0 23	0 42	5 4	1 50	24 52	11 28	4 49	4 11	0 25	2 59	3 13
W 5	17 42	17 28	4 17	23 24	2 8	0 12	1 29	7 6	0 49	20 53	0 48	3 30	2 9	0 24	0 42	5 3	1 50	24 53	11 28	4 47	4 10	0 23	3 2	3 13
T 6	17 59	18 26	4 52	23 43	2 12	0s 9	1 33	7 22	0 49	20 51	0 48	3 28	2 9	0 25	0 42	5 3	1 50	24 53	11 29	4 44	4 9	0 21	3 5	3 13
F 7	18 15	18 18	5 9	24 0	2 15	0 30	1 37	7 37	0 48	20 49	0 48	3 26	2 9	0 26	0 42	5 2	1 50	24 53	11 29	4 42	4 8	0 19	3 8	3 13
S 8	18 30	17 10	5 8	24 16	2 18	0 51	1 41	7 52	0 48	20 47	0 48	3 24	2 10	0 27	0 42	5 2	1 50	24 53	11 30	4 39	4 6	0 17	3 10	3 13
S 9	18 46	15 13	4 53	24 31	2 20	1 13	1 45	8 7	0 48	20 45	0 48	3 22	2 10	0 28	0 42	5 1	1 50	24 54	11 30	4 38	4 5	0 16	3 13	3 13
M10	19 1	12 37	4 24	24 45	2 22	1 35	1 49	8 22	0 47	20 43	0 48	3 20	2 10	0 29	0 42	5 1	1 50	24 54	11 30	4 37	4 4	0 14	3 15	3 13
T 11	19 15	9 31	3 44	24 57	2 23	1 57	1 52	8 37	0 47	20 41	0 48	3 19	2 10	0 31	0 42	5 1	1 50	24 54	11 31	4 36	4 3	0 12	3 18	3 13
W12	19 30	6 4	2 54	25 8	2 24	2 19	1 55	8 52	0 47	20 38	0 48	3 17	2 11	0 32	0 42	5 0	1 50	24 55	11 31	4 37	4 1	0 10	3 21	3 13
T 13	19 44	2 25	1 58	25 17	2 25	2 41	1 59	9 7	0 46	20 36	0 48	3 15	2 11	0 33	0 42	5 0	1 50	24 55	11 32	4 37	4 0	0 8	3 23	3 13
F 14	19 57	1n20	0 57	25 25	2 25	3 4	2 2	9 22	0 46	20 34	0 48	3 14	2 11	0 34	0 42	4 59	1 50	24 55	11 32	4 38	3 59	0 6	3 26	3 13
S 15	20 11	5 3	0s 7	25 31	2 24	3 26	2 4	9 37	0 45	20 32	0 48	3 12	2 11	0 34	0 42	4 59	1 49	24 56	11 33	4 38	3 58	0 4	3 28	3 13
S 16	20 23	8 37	1 12	25 35	2 23	3 49	2 7	9 52	0 45	20 29	0 48	3 10	2 11	0 35	0 42	4 59	1 49	24 56	11 33	4 37	3 56	0 2	3 31	3 13
M17	20 36	11 52	2 13	25 39	2 21	4 12	2 10	10 6	0 44	20 27	0 48	3 9	2 12	0 36	0 42	4 58	1 49	24 56	11 33	4 36	3 55	0 1	3 33	3 13
T 18	20 48	14 40	3 10	25 40	2 18	4 35	2 12	10 21	0 44	20 25	0 48	3 7	2 12	0 37	0 42	4 58	1 49	24 57	11 34	4 34	3 54	0n 1	3 35	3 13
W19	21 0	16 49	3 58	25 40	2 15	4 59	2 14	10 36	0 44	20 22	0 48	3 6	2 12	0 38	0 42	4 57	1 49	24 57	11 34	4 31	3 53	0 3	3 38	3 13
T 20	21 11	18 9	4 35	25 38	2 11	5 22	2 17	10 50	0 43	20 20	0 48	3 4	2 12	0 39	0 42	4 57	1 49	24 58	11 35	4 27	3 51	0 5	3 40	3 13
F 21	21 22	18 34	4 58	25 35	2 5	5 45	2 18	11 5	0 43	20 17	0 48	3 3	2 13	0 40	0 42	4 57	1 49	24 58	11 35	4 23	3 50	0 7	3 42	3 13
S 22	21 33	17 57	5 5	25 30	1 59	6 9	2 20	11 19	0 42	20 15	0 48	3 1	2 13	0 41	0 42	4 56	1 49	24 58	11 35	4 19	3 49	0 9	3 45	3 13
S 23	21 43	16 19	4 56	25 24	1 52	6 32	2 22	11 33	0 42	20 12	0 48	3 0	2 13	0 42	0 42	4 56	1 49	24 59	11 36	4 16	3 48	0 11	3 47	3 13
M24	21 52	13 45	4 29	25 16	1 43	6 56	2 24	11 47	0 41	20 9	0 48	2 59	2 13	0 42	0 42	4 56	1 49	24 59	11 36	4 14	3 46	0 12	3 49	3 13
T 25	22 2	10 23	3 47	25 6	1 34	7 19	2 25	12 1	0 41	20 7	0 48	2 57	2 14	0 43	0 42	4 56	1 49	25 0	11 37	4 12	3 45	0 14	3 51	3 14
W26	22 10	6 25	2 50	24 55	1 23	7 43	2 26	12 16	0 41	20 4	0 48	2 56	2 14	0 44	0 42	4 55	1 49	25 0	11 37	4 12	3 44	0 16	3 53	3 14
T 27	22 19	2 3	1 43	24 43	1 11	8 6	2 27	12 29	0 40	20 1	0 48	2 55	2 14	0 45	0 43	4 55	1 49	25 1	11 37	4 12	3 42	0 18	3 56	3 14
F 28	22 27	2s28	0 30	24 29	0 57	8 30	2 28	12 43	0 40	19 59	0 48	2 54	2 14	0 45	0 43	4 55	1 49	25 1	11 38	4 12	3 41	0 20	3 58	3 14
S 29	22 34	6 51	0n46	24 14	0 42	8 53	2 29	12 57	0 39	19 56	0 48	2 53	2 15	0 46	0 43	4 54	1 49	25 2	11 38	4 12	3 40	0 22	4 0	3 14
S 30	22s41	10s53	1n59	23s58	0s26	9s16	2n30	13s11	0n39	19s53	0s48	2n51	2n15	0s47	0n43	4n54	1s49	25n 2	11n39	4s11	3s39	0n24	4s 2	3s14

Julian Day Number = 2164775.5, Delta T = 12m51s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'30, Lahiri = 12°54'31 Julian Calendar 1 Nov. 1214 == Greg. Calendar 8 Nov. 1214

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ASTRODIENST EPHEMERIS for the year 1214
geocentric

DECEMBER 1214 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 5 50	16♐ 0'31	17♏47	1°R13	1♏25	7♏19	5♒ 7	28♍ 4	3♎37	16°R39	22°R29	10°R26	9♎ 6	28♓59	2♎45	M 1
T 2	5 9 46	17° 1'41	1♐57	0♑48	2°34	7°59	5°19	28° 7	3°39	16♈39	22♌29	10♎19	9° 3	29° 5	2°49	T 2
W 3	5 13 43	18° 2'52	15°57	0°11	3°43	8°39	5°31	28°10	3°40	16°38	22°28	10° 8	9° 0	29°12	2°54	W 3
T 4	5 17 40	19° 4'03	29°41	29♐23	4°52	9°19	5°43	28°13	3°42	16°38	22°28	9°57	8°57	29°18	2°58	T 4
F 5	5 21 36	20° 5'15	13♑ 7	28°24	6° 2	10° 0	5°55	28°16	3°43	16°37	22°27	9°44	8°54	29°25	3° 2	F 5
S 6	5 25 33	21° 6'26	26°12	27°17	7°11	10°40	6° 7	28°19	3°45	16°36	22°27	9°33	8°51	29°32	3° 7	S 6
S 7	5 29 29	22° 7'38	8♒55	26° 2	8°21	11°20	6°19	28°21	3°46	16°36	22°26	9°23	8°47	29°38	3°11	S 7
M 8	5 33 26	23° 8'50	21°19	24°42	9°31	12° 0	6°32	28°24	3°48	16°36	22°26	9°16	8°44	29°45	3°15	M 8
T 9	5 37 22	24°10'02	3♓27	23°20	10°41	12°41	6°44	28°26	3°49	16°35	22°25	9°12	8°41	29°52	3°19	T 9
W10	5 41 19	25°11'14	15°23	21°58	11°51	13°21	6°57	28°29	3°50	16°35	22°24	9°10	8°38	29°58	3°22	W10
T 11	5 45 15	26°12'26	27°12	20°40	13° 1	14° 1	7° 9	28°31	3°52	16°34	22°24	9°D10	8°35	0♈ 5	3°26	T 11
F 12	5 49 12	27°13'38	8♈59	19°27	14°11	14°42	7°22	28°33	3°53	16°34	22°23	9°R10	8°32	0°12	3°30	F 12
S 13	5 53 9	28°14'49	20°51	18°22	15°22	15°22	7°34	28°35	3°54	16°34	22°22	9° 9	8°28	0°18	3°33	S 13
S 14	5 57 5	29°16'01	2♉53	17°25	16°32	16° 2	7°47	28°37	3°55	16°33	22°21	9° 7	8°25	0°25	3°36	S 14
M15	6 1 2	0♑17'12	15° 9	16°39	17°43	16°43	8° 0	28°39	3°56	16°33	22°21	9° 2	8°22	0°32	3°40	M15
T 16	6 4 58	1°18'23	27°43	16° 2	18°54	17°23	8°13	28°41	3°57	16°33	22°20	8°55	8°19	0°38	3°43	T 16
W17	6 8 55	2°19'33	10♊36	15°36	20° 5	18° 4	8°26	28°42	3°58	16°33	22°19	8°45	8°16	0°45	3°46	W17
T 18	6 12 51	3°20'44	23°51	15°20	21°16	18°44	8°39	28°44	3°59	16°33	22°18	8°32	8°12	0°52	3°49	T 18
F 19	6 16 48	4°21'54	7♋24	15°D13	22°27	19°25	8°52	28°45	3°59	16°33	22°17	8°19	8° 9	0°58	3°52	F 19
S 20	6 20 44	5°23'05	21°13	15°16	23°38	20° 5	9° 5	28°47	4° 0	16°33	22°16	8° 6	8° 6	1° 5	3°54	S 20
S 21	6 24 41	6°24'15	5♌14	15°26	24°49	20°46	9°18	28°48	4° 1	16°D33	22°15	7°55	8° 3	1°11	3°57	S 21
M22	6 28 38	7°25'25	19°22	15°45	26° 1	21°26	9°31	28°49	4° 2	16°33	22°14	7°46	8° 0	1°18	3°59	M22
T 23	6 32 34	8°26'34	3♍33	16°11	27°12	22° 7	9°45	28°50	4° 2	16°33	22°13	7°41	7°57	1°25	4° 2	T 23
W24	6 36 31	9°27'44	17°44	16°42	28°24	22°47	9°58	28°51	4° 3	16°33	22°12	7°38	7°53	1°31	4° 4	W24
T 25	6 40 27	10°28'54	1♎52	17°20	29°35	23°28	10°11	28°52	4° 3	16°33	22°11	7°37	7°50	1°38	4° 6	T 25
F 26	6 44 24	11°30'03	15°56	18° 3	0♐47	24° 8	10°25	28°53	4° 3	16°33	22°10	7°37	7°47	1°45	4° 8	F 26
S 27	6 48 20	12°31'12	29°56	18°50	1°59	24°49	10°38	28°53	4° 4	16°33	22° 9	7°36	7°44	1°51	4°10	S 27
S 28	6 52 17	13°32'22	13♏51	19°42	3°11	25°30	10°52	28°54	4° 4	16°34	22° 8	7°34	7°41	1°58	4°12	S 28
M29	6 56 13	14°33'31	27°40	20°37	4°23	26°11	11° 6	28°54	4° 4	16°34	22° 7	7°28	7°38	2° 5	4°13	M29
T 30	7 0 10	15°34'39	11♐23	21°36	5°35	26°51	11°19	28°54	4° 4	16°34	22° 6	7°20	7°34	2°11	4°15	T 30
W31	7 4 7	16♑35'48	24♐56	22♐37	6♐47	27♏32	11♒33	28♍54	4♎ 5	16♈34	22♌ 5	7♎ 8	7♎31	2♈18	4♎16	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s48	14s15	3n 5	23s41	0s 9	9s40	2n31	13s24	0n38	19s50	0s48	2n50	2n15	0s47	0n43	4n54	1s49	25n 3	11n39	4s 9	3s37	0n25	4s 4	3s14
T 2	22 54	16 45	3 58	23 23	0n10	10 3	2 31	13 38	0 38	19 47	0 48	2 49	2 15	0 48	0 43	4 54	1 49	25 3	11 39	4 6	3 36	0 27	4 5	3 14
W 3	23 0	18 13	4 36	23 3	0 29	10 26	2 31	13 51	0 37	19 44	0 48	2 48	2 16	0 49	0 43	4 54	1 49	25 4	11 40	4 2	3 35	0 29	4 7	3 14
T 4	23 5	18 35	4 57	22 44	0 49	10 49	2 32	14 5	0 37	19 41	0 48	2 47	2 16	0 49	0 43	4 53	1 49	25 4	11 40	3 57	3 34	0 31	4 9	3 14
F 5	23 10	17 53	5 2	22 23	1 9	11 12	2 32	14 18	0 36	19 38	0 48	2 47	2 16	0 50	0 43	4 53	1 48	25 5	11 41	3 52	3 32	0 33	4 11	3 14
S 6	23 14	16 15	4 50	22 2	1 29	11 35	2 32	14 31	0 36	19 35	0 48	2 46	2 17	0 51	0 43	4 53	1 48	25 5	11 41	3 48	3 31	0 35	4 13	3 14
S 7	23 18	13 52	4 24	21 41	1 48	11 57	2 32	14 44	0 35	19 32	0 47	2 45	2 17	0 51	0 43	4 53	1 48	25 6	11 41	3 44	3 30	0 37	4 14	3 15
M 8	23 22	10 54	3 45	21 21	2 5	12 19	2 31	14 57	0 35	19 29	0 47	2 44	2 17	0 52	0 43	4 53	1 48	25 6	11 42	3 41	3 29	0 38	4 16	3 15
T 9	23 25	7 31	2 58	21 1	2 22	12 42	2 31	15 10	0 34	19 26	0 47	2 43	2 17	0 52	0 43	4 53	1 48	25 7	11 42	3 40	3 27	0 40	4 18	3 15
W10	23 27	3 54	2 3	20 42	2 36	13 4	2 31	15 23	0 34	19 23	0 47	2 43	2 18	0 53	0 43	4 53	1 48	25 8	11 43	3 39	3 26	0 42	4 19	3 15
T 11	23 29	0 9	1 3	20 25	2 48	13 25	2 30	15 35	0 33	19 20	0 47	2 42	2 18	0 53	0 43	4 53	1 48	25 8	11 43	3 39	3 25	0 44	4 21	3 15
F 12	23 31	3n35	0 1	20 10	2 57	13 47	2 29	15 48	0 33	19 16	0 47	2 41	2 18	0 53	0 43	4 53	1 48	25 9	11 43	3 39	3 24	0 46	4 22	3 15
S 13	23 32	7 13	1s 2	19 58	3 4	14 8	2 29	16 0	0 32	19 13	0 47	2 41	2 19	0 54	0 43	4 52	1 48	25 9	11 44	3 39	3 22	0 48	4 24	3 15
S 14	23 32	10 36	2 2	19 48	3 9	14 29	2 28	16 12	0 31	19 10	0 47	2 40	2 19	0 54	0 43	4 52	1 48	25 10	11 44	3 38	3 21	0 49	4 25	3 15
M15	23 32	13 36	2 58	19 42	3 11	14 50	2 27	16 24	0 31	19 6	0 47	2 40	2 19	0 55	0 43	4 52	1 48	25 11	11 44	3 36	3 20	0 51	4 27	3 15
T 16	23 32	16 3	3 47	19 38	3 12	15 11	2 26	16 36	0 30	19 3	0 47	2 39	2 19	0 55	0 43	4 52	1 48	25 11	11 45	3 33	3 19	0 53	4 28	3 15
W17	23 31	17 45	4 25	19 36	3 10	15 31	2 24	16 48	0 30	19 0	0 47	2 39	2 20	0 55	0 43	4 52	1 48	25 12	11 45	3 29	3 17	0 55	4 29	3 16
T 18	23 30	18 33	4 51	19 38	3 7	15 51	2 23	17 0	0 29	18 56	0 47	2 39	2 20	0 56	0 43	4 52	1 48	25 12	11 45	3 24	3 16	0 57	4 31	3 16
F 19	23 28	18 20	5 0	19 41	3 3	16 10	2 22	17 12	0 29	18 53	0 47	2 38	2 20	0 56	0 43	4 52	1 48	25 13	11 46	3 19	3 15	0 59	4 32	3 16
S 20	23 26	17 2	4 53	19 47	2 57	16 30	2 20	17 23	0 28	18 49	0 47	2 38	2 20	0 56	0 43	4 52	1 48	25 14	11 46	3 14	3 14	1 1	4 33	3 16
S 21	23 23	14 43	4 27	19 55	2 51	16 48	2 19	17 35	0 27	18 46	0 47	2 38	2 21	0 56	0 43	4 52	1 48	25 14	11 46	3 9	3 12	1 2	4 34	3 16
M22	23 20	11 30	3 46	20 4	2 44	17 7	2 17	17 46	0 27	18 42	0 47	2 38	2 21	0 57	0 43	4 53	1 48	25 15	11 47	3 6	3 11	1 4	4 35	3 16
T 23	23 16	7 37	2 50	20 14	2 36	17 25	2 15	17 57	0 26	18 39	0 48	2 38	2 21	0 57	0 43	4 53	1 47	25 16	11 47	3 3	3 10	1 6	4 36	3 16
W24	23 12	3 17	1 43	20 25	2 28	17 43	2 14	18 8	0 26	18 35	0 48	2 37	2 22	0 57	0 43	4 53	1 47	25 16	11 47	3 2	3 9	1 8	4 37	3 16
T 25	23 7	1s13	0 30	20 38	2 19	18 0	2 12	18 19	0 25	18 32	0 48	2 37	2 22	0 57	0 44	4 53	1 47	25 17	11 48	3 2	3 7	1 10	4 38	3 16
F 26	23 2	5 37	0n44	20 51	2 10	18 17	2 10	18 29	0 24	18 28	0 48	2 37	2 22	0 57	0 44	4 53	1 47	25 18	11 48	3 2	3 6	1 12	4 39	3 16
S 27	22 57	9 42	1 55	21 4	2 1	18 33	2 8	18 40	0 24	18 24	0 48	2 37	2 23	0 57	0 44	4 53	1 47	25 18	11 48	3 2	3 5	1 14	4 40	3 17
S 28	22 51	13 13	2 59	21 17	1 51	18 49	2 6	18 50	0 23	18 20	0 48	2 37	2 23	0 57	0 44	4 53	1 47	25 19	11 49	3 1	3 4	1 15	4 41	3 17
M29	22 44	15 57	3 52	21 31	1 42	19 5	2 4	19 1	0 23	18 17	0 48	2 38	2 23	0 57	0 44	4 53	1 47	25 20	11 49	2 59	3 2	1 17	4 41	3 17
T 30	22 37	17 46	4 31	21 44	1 33	19 20	2 1	19 11	0 22	18 13	0 48	2 38	2 23	0 57	0 44	4 54	1 47	25 20	11 49	2 55	3 1	1 19	4 42	3 17
W31	22s30	18s33	4n54	21s57	1n23	19s35	1n59	19s21	0n21	18s 9	0s48	2n38	2n24	0s57	0n44	4n54	1s47	25n21	11n50	2s51	3s 0	1n21	4s43	3s17

Julian Day Number = 2164805.5, Delta T = 12m51s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'35, Lahiri = 12°54'35 Julian Calendar 1 Dec. 1214 == Greg. Calendar 8 Dec. 1214

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

JANUARY 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 3	17♉36'55	8♉17	23♐42	7♐59	28♏13	11♒47	28°R54	4°R 5	16♈35	22°R 3	6°R55	7♎28	2♈25	4♎17	T 1
F 2	7 12 0	18°38'03	21°25	24°49	9°12	28°53	12° 1	28♍54	4♎ 5	16°35	22♌ 2	6♎42	7°25	2°31	4°19	F 2
S 3	7 15 56	19°39'09	4♒16	25°58	10°24	29°34	12°14	28°54	4° 5	16°36	22° 1	6°29	7°22	2°38	4°20	S 3
S 4	7 19 53	20°40'14	16°51	27° 9	11°36	0♐15	12°28	28°54	4° 4	16°36	22° 0	6°18	7°18	2°45	4°20	S 4
M 5	7 23 49	21°41'19	29°10	28°22	12°49	0°56	12°42	28°54	4° 4	16°37	21°59	6°10	7°15	2°51	4°21	M 5
T 6	7 27 46	22°42'23	11♓15	29°36	14° 1	1°37	12°56	28°53	4° 4	16°37	21°57	6° 4	7°12	2°58	4°22	T 6
W 7	7 31 42	23°43'25	23°10	0♉52	15°14	2°18	13°10	28°52	4° 4	16°38	21°56	6° 1	7° 9	3° 4	4°22	W 7
T 8	7 35 39	24°44'26	4♈58	2°10	16°26	2°58	13°24	28°52	4° 3	16°38	21°55	6°D 1	7° 6	3°11	4°23	T 8
F 9	7 39 36	25°45'27	16°45	3°29	17°39	3°39	13°38	28°51	4° 3	16°39	21°53	6° 1	7° 3	3°18	4°23	F 9
S 10	7 43 32	26°46'25	28°36	4°49	18°51	4°20	13°52	28°50	4° 3	16°40	21°52	6°R 1	6°59	3°24	4°23	S 10
S 11	7 47 29	27°47'23	10♊37	6°10	20° 4	5° 1	14° 7	28°49	4° 2	16°40	21°51	6° 0	6°56	3°31	4°R24	S 11
M12	7 51 25	28°48'20	22°53	7°33	21°17	5°42	14°21	28°48	4° 1	16°41	21°49	5°57	6°53	3°38	4°23	M12
T 13	7 55 22	29°49'15	5♋29	8°56	22°30	6°23	14°35	28°47	4° 1	16°42	21°48	5°52	6°50	3°44	4°23	T 13
W14	7 59 18	0♒50'09	18°28	10°21	23°42	7° 4	14°49	28°45	4° 0	16°43	21°47	5°44	6°47	3°51	4°23	W14
T 15	8 3 15	1°51'01	1♌52	11°46	24°55	7°45	15° 3	28°44	3°59	16°44	21°45	5°35	6°44	3°58	4°23	T 15
F 16	8 7 11	2°51'52	15°40	13°13	26° 8	8°26	15°18	28°42	3°59	16°44	21°44	5°24	6°40	4° 4	4°22	F 16
S 17	8 11 8	3°52'42	29°50	14°40	27°21	9° 7	15°32	28°41	3°58	16°45	21°42	5°13	6°37	4°11	4°21	S 17
S 18	8 15 5	4°53'31	14♎16	16° 8	28°34	9°48	15°46	28°39	3°57	16°46	21°41	5° 4	6°34	4°18	4°21	S 18
M19	8 19 1	5°54'18	28°52	17°37	29°47	10°29	16° 0	28°37	3°56	16°47	21°39	4°57	6°31	4°24	4°20	M19
T 20	8 22 58	6°55'04	13♍30	19° 7	1♉ 0	11°10	16°15	28°35	3°55	16°48	21°38	4°53	6°28	4°31	4°19	T 20
W21	8 26 54	7°55'49	28° 4	20°38	2°13	11°51	16°29	28°33	3°54	16°49	21°37	4°D51	6°24	4°37	4°18	W21
T 22	8 30 51	8°56'33	12♎30	22°10	3°26	12°32	16°43	28°31	3°53	16°50	21°35	4°51	6°21	4°44	4°17	T 22
F 23	8 34 47	9°57'16	26°45	23°42	4°39	13°14	16°58	28°29	3°52	16°52	21°34	4°52	6°18	4°51	4°15	F 23
S 24	8 38 44	10°57'58	10♏46	25°15	5°52	13°55	17°12	28°26	3°51	16°53	21°32	4°R52	6°15	4°57	4°14	S 24
S 25	8 42 40	11°58'39	24°34	26°50	7° 6	14°36	17°27	28°24	3°49	16°54	21°31	4°51	6°12	5° 4	4°12	S 25
M26	8 46 37	12°59'18	8♐ 8	28°25	8°19	15°17	17°41	28°21	3°48	16°55	21°29	4°48	6° 9	5°11	4°11	M26
T 27	8 50 34	13°59'57	21°30	0♒ 0	9°32	15°58	17°55	28°19	3°47	16°56	21°28	4°43	6° 5	5°17	4° 9	T 27
W28	8 54 30	15° 0'34	4♉40	1°37	10°45	16°39	18°10	28°16	3°45	16°57	21°26	4°36	6° 2	5°24	4° 7	W28
T 29	8 58 27	16° 1'10	17°37	3°15	11°59	17°21	18°24	28°13	3°44	16°59	21°25	4°27	5°59	5°31	4° 5	T 29
F 30	9 2 23	17° 1'44	0♒22	4°53	13°12	18° 2	18°39	28°11	3°43	17° 0	21°23	4°18	5°56	5°37	4° 3	F 30
S 31	9 6 20	18♒ 2'17	12♒55	6♒33	14♉25	18♐43	18♒53	28♍ 8	3♎41	17♈ 1	21♌22	4♎10	5♎53	5♈44	4♎ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s22	18s17	5n 1	22s10	1n14	19s49	1n57	19s31	0n21	18s 5	0s48	2n38	2n24	0s57	0n44	4n54	1s47	25n22	11n50	2s46	2s58	1n23	4s43	3s17
F 2	22 14	17 2	4 51	22 22	1 4	20 2	1 54	19 40	0 20	18 1	0 48	2 38	2 24	0 57	0 44	4 54	1 47	25 22	11 50	2 40	2 57	1 25	4 44	3 17
S 3	22 6	14 57	4 27	22 33	0 55	20 15	1 52	19 50	0 19	17 58	0 48	2 39	2 25	0 57	0 44	4 54	1 47	25 23	11 50	2 35	2 56	1 26	4 44	3 17
S 4	21 56	12 12	3 50	22 44	0 46	20 28	1 49	19 59	0 19	17 54	0 48	2 39	2 25	0 57	0 44	4 55	1 47	25 24	11 51	2 31	2 55	1 28	4 45	3 17
M 5	21 47	8 58	3 2	22 55	0 37	20 40	1 47	20 8	0 18	17 50	0 48	2 40	2 25	0 57	0 44	4 55	1 47	25 24	11 51	2 27	2 53	1 30	4 45	3 17
T 6	21 37	5 24	2 8	23 4	0 28	20 51	1 44	20 17	0 17	17 46	0 48	2 40	2 25	0 57	0 44	4 55	1 47	25 25	11 51	2 25	2 52	1 32	4 46	3 18
W 7	21 27	1 41	1 8	23 13	0 19	21 2	1 41	20 26	0 17	17 42	0 48	2 41	2 26	0 57	0 44	4 55	1 47	25 26	11 51	2 24	2 51	1 34	4 46	3 18
T 8	21 16	2n 4	0 6	23 20	0 11	21 13	1 38	20 35	0 16	17 38	0 48	2 41	2 26	0 57	0 44	4 56	1 47	25 26	11 52	2 24	2 50	1 36	4 46	3 18
F 9	21 5	5 44	0s57	23 27	0 3	21 22	1 36	20 43	0 15	17 34	0 48	2 42	2 26	0 57	0 44	4 56	1 46	25 27	11 52	2 24	2 48	1 37	4 46	3 18
S 10	20 53	9 12	1 57	23 33	0s 6	21 32	1 33	20 52	0 14	17 30	0 48	2 42	2 26	0 56	0 44	4 56	1 46	25 28	11 52	2 24	2 47	1 39	4 47	3 18
S 11	20 41	12 19	2 54	23 37	0 14	21 40	1 30	21 0	0 14	17 26	0 48	2 43	2 27	0 56	0 44	4 57	1 46	25 28	11 52	2 24	2 46	1 41	4 47	3 18
M12	20 29	14 59	3 43	23 41	0 21	21 48	1 27	21 8	0 13	17 22	0 48	2 44	2 27	0 56	0 44	4 57	1 46	25 29	11 53	2 22	2 45	1 43	4 47	3 18
T 13	20 16	17 0	4 23	23 43	0 29	21 55	1 24	21 16	0 12	17 17	0 48	2 44	2 27	0 56	0 44	4 57	1 46	25 30	11 53	2 20	2 43	1 45	4 47	3 18
W14	20 3	18 13	4 50	23 44	0 36	22 2	1 21	21 23	0 11	17 13	0 48	2 45	2 28	0 55	0 44	4 58	1 46	25 30	11 53	2 17	2 42	1 47	4 47	3 18
T 15	19 50	18 28	5 3	23 44	0 43	22 8	1 18	21 31	0 11	17 9	0 48	2 46	2 28	0 55	0 44	4 58	1 46	25 31	11 53	2 13	2 41	1 49	4 47	3 18
F 16	19 36	17 40	4 59	23 43	0 50	22 14	1 15	21 38	0 10	17 5	0 48	2 47	2 28	0 55	0 44	4 58	1 46	25 32	11 53	2 9	2 40	1 50	4 46	3 18
S 17	19 22	15 46	4 37	23 40	0 57	22 19	1 12	21 45	0 9	17 1	0 48	2 48	2 28	0 54	0 44	4 59	1 46	25 32	11 54	2 5	2 38	1 52	4 46	3 18
S 18	19 7	12 51	3 56	23 36	1 3	22 23	1 9	21 52	0 8	16 57	0 48	2 49	2 29	0 54	0 44	4 59	1 46	25 33	11 54	2 1	2 37	1 54	4 46	3 18
M19	18 52	9 6	3 0	23 31	1 9	22 26	1 6	21 59	0 8	16 52	0 48	2 50	2 29	0 53	0 44	5 0	1 46	25 34	11 54	1 58	2 36	1 56	4 46	3 18
T 20	18 37	4 48	1 52	23 25	1 15	22 29	1 3	22 6	0 7	16 48	0 48	2 51	2 29	0 53	0 44	5 0	1 46	25 34	11 54	1 57	2 35	1 58	4 45	3 19
W21	18 22	0 13	0 36	23 17	1 21	22 32	1 0	22 12	0 6	16 44	0 48	2 52	2 29	0 53	0 44	5 1	1 46	25 35	11 54	1 56	2 33	2 0	4 45	3 19
T 22	18 6	4s20	0n41	23 7	1 26	22 33	0 56	22 18	0 5	16 40	0 48	2 53	2 30	0 52	0 45	5 1	1 46	25 36	11 54	1 56	2 32	2 1	4 45	3 19
F 23	17 50	8 34	1 55	22 57	1 31	22 34	0 53	22 24	0 4	16 35	0 49	2 54	2 30	0 52	0 45	5 1	1 46	25 36	11 55	1 56	2 31	2 3	4 44	3 19
S 24	17 33	12 15	3 1	22 45	1 36	22 34	0 50	22 30	0 4	16 31	0 49	2 55	2 30	0 51	0 45	5 2	1 46	25 37	11 55	1 57	2 29	2 5	4 43	3 19
S 25	17 16	15 11	3 55	22 31	1 40	22 34	0 47	22 36	0 3	16 26	0 49	2 56	2 30	0 51	0 45	5 2	1 46	25 37	11 55	1 56	2 28	2 7	4 43	3 19
M26	16 59	17 14	4 35	22 16	1 44	22 33	0 44	22 41	0 2	16 22	0 49	2 58	2 31	0 50	0 45	5 3	1 46	25 38	11 55	1 55	2 27	2 9	4 42	3 19
T 27	16 42	18 17	4 59	22 0	1 48	22 31	0 41	22 47	0 1	16 18	0 49	2 59	2 31	0 50	0 45	5 3	1 45	25 39	11 55	1 53	2 26	2 11	4 42	3 19
W28	16 24	18 20	5 7	21 42	1 51	22 29	0 37	22 52	0 0	16 13	0 49	3 0	2 31	0 49	0 45	5 4	1 45	25 39	11 55	1 50	2 24	2 12	4 41	3 19
T 29	16 6	17 26	4 59	21 22	1 55	22 26	0 34	22 57	0s 1	16 9	0 49	3 1	2 31	0 48	0 45	5 5	1 45	25 40	11 55	1 47	2 23	2 14	4 40	3 19
F 30	15 48	15 39	4 36	21 1	1 57	22 22	0 31	23 1	0 1	16 4	0 49	3 3	2 32	0 48	0 45	5 5	1 45	25 41	11 55	1 43	2 22	2 16	4 39	3 19
S 31	15s29	13s10	4n 0	20s39	2s 0	22s18	0n28	23s 6	0s 2	16s 0	0s49	3n 4	2n32	0s47	0n45	5n 6	1s45	25n41	11n56	1s40	2s21	2n18	4s38	3s19

Julian Day Number = 2164836.5, Delta T = 12m51s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'39, Lahiri = 12°54'39 Julian Calendar 1 Jan. 1215 == Greg. Calendar 8 Jan. 1215

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1215
geocentric

FEBRUARY 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 16	19♒ 2'48	25♒15	8♒13	15♑39	19♐24	19♒ 8	28°R 5	3°R39	17♈ 3	21°R20	4°R 2	5♎49	5♈51	3°R58	S 1
M 2	9 14 13	20° 3'17	7♓24	9°54	16°52	20° 6	19°22	28♍ 1	3♎38	17° 4	21♌19	3♎57	5°46	5°57	3♎56	M 2
T 3	9 18 9	21° 3'45	19°24	11°36	18° 5	20°47	19°36	27°58	3°36	17° 6	21°17	3°53	5°43	6° 4	3°54	T 3
W 4	9 22 6	22° 4'11	1♈15	13°19	19°19	21°28	19°51	27°55	3°35	17° 7	21°15	3°D52	5°40	6°11	3°51	W 4
T 5	9 26 3	23° 4'35	13° 2	15° 3	20°32	22°10	20° 5	27°52	3°33	17° 8	21°14	3°52	5°37	6°17	3°48	T 5
F 6	9 29 59	24° 4'57	24°49	16°48	21°46	22°51	20°20	27°48	3°31	17°10	21°12	3°54	5°34	6°24	3°46	F 6
S 7	9 33 56	25° 5'17	6♉39	18°34	22°59	23°32	20°34	27°45	3°29	17°12	21°11	3°55	5°30	6°30	3°43	S 7
S 8	9 37 52	26° 5'35	18°39	20°21	24°12	24°14	20°49	27°41	3°27	17°13	21° 9	3°57	5°27	6°37	3°40	S 8
M 9	9 41 49	27° 5'51	0♊52	22° 9	25°26	24°55	21° 3	27°37	3°25	17°15	21° 8	3°R57	5°24	6°44	3°37	M 9
T 10	9 45 45	28° 6'05	13°25	23°58	26°39	25°36	21°17	27°34	3°24	17°16	21° 6	3°56	5°21	6°50	3°33	T 10
W11	9 49 42	29° 6'17	26°21	25°48	27°53	26°18	21°32	27°30	3°22	17°18	21° 5	3°53	5°18	6°57	3°30	W11
T 12	9 53 38	0♓ 6'27	9♋43	27°40	29° 6	26°59	21°46	27°26	3°20	17°20	21° 3	3°49	5°15	7° 4	3°27	T 12
F 13	9 57 35	1° 6'35	23°33	29°32	0♒20	27°41	22° 1	27°22	3°18	17°21	21° 2	3°44	5°11	7°10	3°24	F 13
S 14	10 1 32	2° 6'41	7♌49	1♓25	1°33	28°22	22°15	27°18	3°16	17°23	21° 0	3°39	5° 8	7°17	3°20	S 14
S 15	10 5 28	3° 6'44	22°27	3°18	2°47	29° 3	22°29	27°14	3°13	17°25	20°59	3°34	5° 5	7°24	3°16	S 15
M16	10 9 25	4° 6'46	7♍21	5°13	4° 0	29°45	22°43	27°10	3°11	17°26	20°57	3°31	5° 2	7°30	3°13	M16
T 17	10 13 21	5° 6'45	22°22	7° 9	5°14	0♑26	22°58	27° 6	3° 9	17°28	20°56	3°29	4°59	7°37	3° 9	T 17
W18	10 17 18	6° 6'43	7♎21	9° 5	6°27	1° 8	23°12	27° 2	3° 7	17°30	20°54	3°D29	4°55	7°44	3° 5	W18
T 19	10 21 14	7° 6'39	22°11	11° 2	7°41	1°49	23°26	26°58	3° 5	17°32	20°53	3°30	4°52	7°50	3° 2	T 19
F 20	10 25 11	8° 6'33	6♏46	13° 0	8°55	2°31	23°40	26°53	3° 3	17°34	20°52	3°31	4°49	7°57	2°58	F 20
S 21	10 29 7	9° 6'26	21° 1	14°58	10° 8	3°12	23°55	26°49	3° 0	17°35	20°50	3°33	4°46	8° 3	2°54	S 21
S 22	10 33 4	10° 6'17	4♐55	16°56	11°22	3°54	24° 9	26°45	2°58	17°37	20°49	3°R33	4°43	8°10	2°50	S 22
M23	10 37 1	11° 6'06	18°29	18°54	12°35	4°35	24°23	26°40	2°56	17°39	20°47	3°33	4°40	8°17	2°45	M23
T 24	10 40 57	12° 5'54	1♑42	20°52	13°49	5°17	24°37	26°36	2°53	17°41	20°46	3°32	4°36	8°23	2°41	T 24
W25	10 44 54	13° 5'40	14°38	22°49	15° 3	5°59	24°51	26°31	2°51	17°43	20°45	3°30	4°33	8°30	2°37	W25
T 26	10 48 50	14° 5'24	27°19	24°46	16°16	6°40	25° 5	26°27	2°49	17°45	20°43	3°27	4°30	8°37	2°33	T 26
F 27	10 52 47	15° 5'06	9♒46	26°41	17°30	7°22	25°19	26°22	2°46	17°47	20°42	3°24	4°27	8°43	2°29	F 27
S 28	10 56 43	16♓ 4'46	22♒ 1	28♓35	18♒44	8♑ 3	25♒33	26♍18	2♎44	17♈49	20♌40	3♎22	4♎24	8♈50	2♎24	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s10	10s 7	3n14	20s15	2s 2	22s13	0n25	23s10	0s 3	15s56	0s49	3n 6	2n32	0s47	0n45	5n 6	1s45	25n42	11n56	1s37	2s19	2n20	4s37	3s19
M 2	14 51	6 41	2 19	19 49	2 3	22 7	0 22	23 14	0 4	15 51	0 49	3 7	2 32	0 46	0 45	5 7	1 45	25 42	11 56	1 34	2 18	2 22	4 36	3 19
T 3	14 32	3 1	1 18	19 22	2 5	22 0	0 18	23 18	0 5	15 47	0 49	3 8	2 33	0 45	0 45	5 7	1 45	25 43	11 56	1 33	2 17	2 23	4 35	3 19
W 4	14 13	0n43	0 14	18 54	2 5	21 53	0 15	23 22	0 6	15 42	0 49	3 10	2 33	0 44	0 45	5 8	1 45	25 44	11 56	1 33	2 16	2 25	4 34	3 19
T 5	13 53	4 24	0s50	18 23	2 6	21 46	0 12	23 25	0 7	15 38	0 49	3 11	2 33	0 44	0 45	5 9	1 45	25 44	11 56	1 33	2 14	2 27	4 33	3 19
F 6	13 33	7 55	1 52	17 52	2 6	21 37	0 9	23 28	0 8	15 33	0 49	3 13	2 33	0 43	0 45	5 9	1 45	25 45	11 56	1 33	2 13	2 29	4 32	3 19
S 7	13 13	11 8	2 49	17 18	2 5	21 28	0 6	23 31	0 9	15 29	0 50	3 15	2 33	0 42	0 45	5 10	1 45	25 45	11 56	1 34	2 12	2 31	4 31	3 19
S 8	12 52	13 55	3 40	16 44	2 4	21 19	0 3	23 34	0 10	15 24	0 50	3 16	2 34	0 42	0 45	5 10	1 45	25 46	11 56	1 34	2 11	2 33	4 30	3 19
M 9	12 32	16 8	4 22	16 7	2 3	21 9	0s 0	23 37	0 11	15 19	0 50	3 18	2 34	0 41	0 45	5 11	1 45	25 46	11 56	1 35	2 9	2 34	4 28	3 19
T 10	12 11	17 40	4 53	15 29	2 1	20 58	0 3	23 39	0 12	15 15	0 50	3 20	2 34	0 40	0 45	5 12	1 45	25 47	11 56	1 34	2 8	2 36	4 27	3 18
W11	11 50	18 20	5 10	14 50	1 59	20 46	0 6	23 42	0 12	15 10	0 50	3 21	2 34	0 39	0 45	5 12	1 45	25 47	11 56	1 33	2 7	2 38	4 26	3 18
T 12	11 29	18 1	5 11	14 9	1 56	20 34	0 9	23 44	0 13	15 6	0 50	3 23	2 34	0 38	0 45	5 13	1 45	25 48	11 56	1 31	2 5	2 40	4 24	3 18
F 13	11 8	16 39	4 54	13 26	1 52	20 22	0 12	23 46	0 14	15 1	0 50	3 25	2 34	0 38	0 45	5 14	1 45	25 49	11 56	1 29	2 4	2 42	4 23	3 18
S 14	10 46	14 13	4 19	12 42	1 49	20 8	0 15	23 47	0 15	14 57	0 50	3 26	2 35	0 37	0 45	5 14	1 45	25 49	11 56	1 27	2 3	2 43	4 22	3 18
S 15	10 24	10 50	3 26	11 57	1 44	19 55	0 18	23 49	0 16	14 52	0 50	3 28	2 35	0 36	0 45	5 15	1 45	25 50	11 56	1 26	2 2	2 45	4 20	3 18
M16	10 3	6 42	2 19	11 10	1 39	19 40	0 21	23 50	0 17	14 47	0 50	3 30	2 35	0 35	0 45	5 16	1 45	25 50	11 56	1 24	2 0	2 47	4 18	3 18
T 17	9 41	2 7	1 1	10 22	1 33	19 25	0 23	23 51	0 18	14 43	0 50	3 32	2 35	0 34	0 45	5 17	1 45	25 51	11 56	1 24	1 59	2 49	4 17	3 18
W18	9 18	2s36	0n21	9 32	1 27	19 10	0 26	23 51	0 19	14 38	0 51	3 33	2 35	0 33	0 45	5 17	1 44	25 51	11 56	1 23	1 58	2 51	4 15	3 18
T 19	8 56	7 7	1 41	8 42	1 20	18 53	0 29	23 52	0 20	14 34	0 51	3 35	2 35	0 32	0 45	5 18	1 44	25 51	11 56	1 24	1 57	2 53	4 14	3 18
F 20	8 34	11 6	2 53	7 50	1 13	18 37	0 32	23 52	0 22	14 29	0 51	3 37	2 36	0 31	0 45	5 19	1 44	25 52	11 56	1 24	1 55	2 54	4 12	3 17
S 21	8 11	14 21	3 53	6 57	1 5	18 20	0 34	23 53	0 23	14 24	0 51	3 39	2 36	0 30	0 45	5 19	1 44	25 52	11 56	1 25	1 54	2 56	4 10	3 17
S 22	7 49	16 40	4 37	6 3	0 56	18 2	0 37	23 52	0 24	14 20	0 51	3 41	2 36	0 30	0 45	5 20	1 44	25 53	11 56	1 25	1 53	2 58	4 8	3 17
M23	7 26	17 59	5 5	5 8	0 47	17 44	0 39	23 52	0 25	14 15	0 51	3 43	2 36	0 29	0 45	5 21	1 44	25 53	11 56	1 25	1 52	3 0	4 7	3 17
T 24	7 3	18 16	5 15	4 13	0 37	17 25	0 42	23 52	0 26	14 10	0 51	3 45	2 36	0 28	0 45	5 22	1 44	25 54	11 56	1 25	1 50	3 2	4 5	3 17
W25	6 40	17 36	5 10	3 17	0 27	17 6	0 44	23 51	0 27	14 6	0 51	3 46	2 36	0 27	0 45	5 23	1 44	25 54	11 56	1 24	1 49	3 3	4 3	3 17
T 26	6 17	16 4	4 49	2 21	0 16	16 46	0 47	23 50	0 28	14 1	0 51	3 48	2 36	0 26	0 45	5 23	1 44	25 55	11 56	1 23	1 48	3 5	4 1	3 17
F 27	5 54	13 47	4 15	1 24	0 5	16 26	0 49	23 49	0 29	13 56	0 51	3 50	2 36	0 25	0 45	5 24	1 44	25 55	11 56	1 22	1 46	3 7	3 59	3 16
S 28	5s31	10s56	3n29	0s28	0n 6	16s 5	0s51	23s48	0s30	13s52	0s52	3n52	2n36	0s24	0n45	5n25	1s44	25n55	11n56	1s20	1s45	3n 9	3s57	3s16

Julian Day Number = 2164867.5, Delta T = 12m51s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'43, Lahiri = 12°54'44 Julian Calendar 1 Feb. 1215 == Greg. Calendar 8 Feb. 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

MARCH 1215 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 0 40	17♓ 4'25	4♓ 7	0♈27	19♒57	8♑45	25♒47	26°R13	2°R41	17♈51	20°R39	3°R19	4♎21	8♈57	2°R20	S 1
M 2	11 4 36	18° 4'01	16° 5	2°16	21°11	9°26	26° 1	26♍ 9	2♎39	17°53	20♌38	3♎18	4°17	9° 3	2♎15	M 2
T 3	11 8 33	19° 3'35	27°57	4° 3	22°24	10° 8	26°15	26° 4	2°36	17°55	20°36	3°D17	4°14	9°10	2°11	T 3
W 4	11 12 29	20° 3'07	9♈45	5°46	23°38	10°49	26°29	25°59	2°34	17°57	20°35	3°17	4°11	9°17	2° 6	W 4
T 5	11 16 26	21° 2'37	21°32	7°26	24°52	11°31	26°43	25°55	2°31	17°59	20°34	3°18	4° 8	9°23	2° 2	T 5
F 6	11 20 23	22° 2'05	3♉20	9° 1	26° 5	12°13	26°57	25°50	2°29	18° 1	20°33	3°19	4° 5	9°30	1°57	F 6
S 7	11 24 19	23° 1'30	15°13	10°32	27°19	12°54	27°10	25°45	2°26	18° 3	20°31	3°20	4° 1	9°36	1°53	S 7
S 8	11 28 16	24° 0'53	27°14	11°58	28°33	13°36	27°24	25°41	2°24	18° 5	20°30	3°21	3°58	9°43	1°48	S 8
M 9	11 32 12	25° 0'14	9♊27	13°18	29°46	14°17	27°38	25°36	2°21	18° 7	20°29	3°21	3°55	9°50	1°43	M 9
T 10	11 36 9	25°59'33	21°57	14°33	1♓ 0	14°59	27°51	25°31	2°19	18° 9	20°28	3°R22	3°52	9°56	1°39	T 10
W11	11 40 5	26°58'49	4♋48	15°42	2°14	15°41	28° 5	25°27	2°16	18°12	20°27	3°22	3°49	10° 3	1°34	W11
T 12	11 44 2	27°58'03	18° 3	16°45	3°27	16°22	28°18	25°22	2°13	18°14	20°25	3°21	3°46	10°10	1°29	T 12
F 13	11 47 58	28°57'15	1♌44	17°41	4°41	17° 4	28°32	25°17	2°11	18°16	20°24	3°21	3°42	10°16	1°24	F 13
S 14	11 51 55	29°56'24	15°53	18°30	5°55	17°45	28°45	25°13	2° 8	18°18	20°23	3°20	3°39	10°23	1°20	S 14
S 15	11 55 52	0♈55'30	0♍28	19°13	7° 8	18°27	28°58	25° 8	2° 6	18°20	20°22	3°20	3°36	10°30	1°15	S 15
M16	11 59 48	1°54'35	15°23	19°48	8°22	19° 8	29°12	25° 3	2° 3	18°22	20°21	3°20	3°33	10°36	1°10	M16
T 17	12 3 45	2°53'37	0♎31	20°17	9°35	19°50	29°25	24°59	2° 0	18°25	20°20	3°20	3°30	10°43	1° 6	T 17
W18	12 7 41	3°52'37	15°44	20°38	10°49	20°32	29°38	24°54	1°58	18°27	20°19	3°20	3°26	10°50	1° 1	W18
T 19	12 11 38	4°51'36	0♏52	20°53	12° 3	21°13	29°51	24°50	1°55	18°29	20°18	3°20	3°23	10°56	0°56	T 19
F 20	12 15 34	5°50'32	15°45	21° 0	13°16	21°55	0♓ 4	24°45	1°53	18°31	20°17	3°20	3°20	11° 3	0°51	F 20
S 21	12 19 31	6°49'26	0♐18	21°R 1	14°30	22°36	0°17	24°41	1°50	18°33	20°16	3°19	3°17	11°10	0°47	S 21
S 22	12 23 27	7°48'19	14°26	20°56	15°44	23°18	0°30	24°36	1°48	18°36	20°15	3°19	3°14	11°16	0°42	S 22
M23	12 27 24	8°47'10	28° 8	20°44	16°57	23°59	0°43	24°32	1°45	18°38	20°14	3°19	3°11	11°23	0°37	M23
T 24	12 31 21	9°45'59	11♑24	20°26	18°11	24°41	0°56	24°27	1°42	18°40	20°13	3°D19	3° 7	11°29	0°33	T 24
W25	12 35 17	10°44'47	24°17	20° 3	19°25	25°22	1° 9	24°23	1°40	18°42	20°12	3°19	3° 4	11°36	0°28	W25
T 26	12 39 14	11°43'33	6♒50	19°35	20°38	26° 4	1°21	24°18	1°37	18°45	20°11	3°19	3° 1	11°43	0°24	T 26
F 27	12 43 10	12°42'16	19° 7	19° 2	21°52	26°46	1°34	24°14	1°35	18°47	20°11	3°20	2°58	11°49	0°19	F 27
S 28	12 47 7	13°40'59	1♓12	18°26	23° 6	27°27	1°46	24°10	1°32	18°49	20°10	3°21	2°55	11°56	0°15	S 28
S 29	12 51 3	14°39'39	13° 8	17°47	24°19	28° 9	1°59	24° 6	1°30	18°51	20° 9	3°22	2°52	12° 3	0°10	S 29
M30	12 55 0	15°38'17	24°58	17° 6	25°33	28°50	2°11	24° 1	1°27	18°54	20° 8	3°23	2°48	12° 9	0° 6	M30
T 31	12 58 56	16♈36'54	6♈45	16♈24	26♓46	29♑32	2♓24	23♍57	1♎25	18♈56	20♌ 8	3°R23	2♎45	12♈16	0♎ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 8	7s38	2n35	0n27	0n18	15s44	0s53	23s46	0s31	13s47	0s52	3n54	2n37	0s23	0n45	5n26	1s44	25n56	11n56	1s20	1s44	3n11	3s55	3s16
M 2	4 44	4 4	1 34	1 22	0 30	15 23	0 56	23 44	0 32	13 43	0 52	3 56	2 37	0 22	0 45	5 26	1 44	25 56	11 56	1 19	1 43	3 13	3 53	3 16
T 3	4 21	0 22	0 30	2 16	0 43	15 1	0 58	23 42	0 34	13 38	0 52	3 58	2 37	0 21	0 45	5 27	1 44	25 56	11 56	1 19	1 41	3 14	3 51	3 15
W 4	3 57	3n20	0s36	3 9	0 55	14 38	1 0	23 40	0 35	13 33	0 52	4 0	2 37	0 20	0 45	5 28	1 44	25 57	11 55	1 19	1 40	3 16	3 49	3 15
T 5	3 34	6 53	1 40	4 0	1 8	14 16	1 2	23 38	0 36	13 29	0 52	4 2	2 37	0 19	0 45	5 29	1 44	25 57	11 55	1 19	1 39	3 18	3 47	3 15
F 6	3 10	10 11	2 39	4 49	1 21	13 52	1 4	23 35	0 37	13 24	0 52	4 4	2 37	0 18	0 45	5 30	1 44	25 57	11 55	1 19	1 38	3 20	3 45	3 15
S 7	2 47	13 5	3 33	5 37	1 33	13 29	1 6	23 33	0 38	13 19	0 52	4 6	2 37	0 17	0 45	5 30	1 44	25 58	11 55	1 20	1 36	3 22	3 43	3 15
S 8	2 23	15 27	4 17	6 22	1 45	13 5	1 8	23 30	0 39	13 15	0 53	4 7	2 37	0 16	0 45	5 31	1 44	25 58	11 55	1 20	1 35	3 23	3 41	3 14
M 9	2 0	17 10	4 51	7 4	1 57	12 41	1 9	23 26	0 41	13 10	0 53	4 9	2 37	0 15	0 45	5 32	1 44	25 58	11 55	1 20	1 34	3 25	3 39	3 14
T 10	1 36	18 6	5 12	7 44	2 8	12 16	1 11	23 23	0 42	13 6	0 53	4 11	2 37	0 14	0 45	5 33	1 44	25 59	11 55	1 21	1 33	3 27	3 37	3 14
W11	1 12	18 9	5 18	8 21	2 19	11 51	1 13	23 20	0 43	13 1	0 53	4 13	2 37	0 13	0 45	5 34	1 44	25 59	11 55	1 20	1 31	3 29	3 35	3 13
T 12	0 49	17 14	5 8	8 54	2 29	11 26	1 14	23 16	0 44	12 57	0 53	4 15	2 37	0 12	0 45	5 35	1 44	25 59	11 54	1 20	1 30	3 31	3 33	3 13
F 13	0 25	15 18	4 40	9 25	2 39	11 0	1 16	23 12	0 45	12 52	0 53	4 17	2 37	0 11	0 45	5 35	1 44	25 59	11 54	1 20	1 29	3 33	3 31	3 13
S 14	0 1	12 24	3 55	9 51	2 47	10 35	1 17	23 8	0 47	12 47	0 53	4 19	2 37	0 10	0 45	5 36	1 44	26 0	11 54	1 20	1 27	3 34	3 28	3 13
S 15	0n22	8 39	2 53	10 15	2 55	10 8	1 19	23 3	0 48	12 43	0 53	4 21	2 37	0 9	0 45	5 37	1 44	26 0	11 54	1 20	1 26	3 36	3 26	3 12
M16	0 46	4 17	1 38	10 35	3 2	9 42	1 20	22 59	0 49	12 38	0 54	4 23	2 37	0 8	0 45	5 38	1 44	26 0	11 54	1 20	1 25	3 38	3 24	3 12
T 17	1 9	0s27	0 16	10 51	3 7	9 15	1 21	22 54	0 50	12 34	0 54	4 24	2 37	0 7	0 45	5 39	1 44	26 0	11 54	1 20	1 24	3 40	3 22	3 12
W18	1 33	5 10	1n 9	11 3	3 12	8 49	1 22	22 49	0 52	12 29	0 54	4 26	2 37	0 5	0 45	5 40	1 44	26 0	11 53	1 20	1 22	3 42	3 20	3 11
T 19	1 56	9 31	2 27	11 11	3 15	8 21	1 23	22 44	0 53	12 25	0 54	4 28	2 37	0 4	0 45	5 40	1 44	26 0	11 53	1 20	1 21	3 43	3 17	3 11
F 20	2 20	13 12	3 35	11 16	3 16	7 54	1 24	22 38	0 54	12 20	0 54	4 30	2 37	0 3	0 45	5 41	1 44	26 1	11 53	1 20	1 20	3 45	3 15	3 11
S 21	2 43	15 57	4 27	11 16	3 17	7 26	1 25	22 33	0 56	12 16	0 54	4 32	2 37	0 2	0 45	5 42	1 44	26 1	11 53	1 20	1 19	3 47	3 13	3 10
S 22	3 7	17 39	5 1	11 13	3 15	6 59	1 26	22 27	0 57	12 11	0 55	4 33	2 37	0 1	0 45	5 43	1 44	26 1	11 53	1 19	1 17	3 49	3 11	3 10
M23	3 30	18 15	5 17	11 6	3 13	6 31	1 27	22 21	0 58	12 7	0 55	4 35	2 37	0 0	0 45	5 44	1 44	26 1	11 53	1 19	1 16	3 51	3 9	3 9
T 24	3 53	17 49	5 15	10 55	3 8	6 2	1 28	22 15	1 0	12 3	0 55	4 37	2 37	0n 1	0 45	5 45	1 44	26 1	11 52	1 19	1 15	3 52	3 6	3 9
W25	4 16	16 28	4 57	10 41	3 3	5 34	1 29	22 9	1 1	11 58	0 55	4 39	2 37	0 2	0 45	5 46	1 44	26 1	11 52	1 19	1 14	3 54	3 4	3 9
T 26	4 39	14 21	4 25	10 24	2 55	5 6	1 29	22 2	1 2	11 54	0 55	4 40	2 37	0 3	0 45	5 46	1 44	26 1	11 52	1 20	1 12	3 56	3 2	3 8
F 27	5 2	11 38	3 42	10 3	2 47	4 37	1 30	21 56	1 4	11 49	0 55	4 42	2 37	0 4	0 45	5 47	1 44	26 1	11 52	1 20	1 11	3 58	3 0	3 8
S 28	5 25	8 27	2 50	9 40	2 36	4 8	1 30	21 49	1 5	11 45	0 56	4 44	2 37	0 5	0 45	5 48	1 44	26 1	11 51	1 20	1 10	4 0	2 58	3 7
S 29	5 48	4 58	1 50	9 14	2 25	3 39	1 31	21 42	1 6	11 41	0 56	4 45	2 37	0 6	0 45	5 49	1 44	26 2	11 51	1 21	1 8	4 1	2 55	3 7
M30	6 11	1 18	0 47	8 46	2 12	3 10	1 31	21 35	1 8	11 36	0 56	4 47	2 37	0 7	0 45	5 50	1 44	26 2	11 51	1 21	1 7	4 3	2 53	3 7
T 31	6n33	2n24	0s19	8n17	1n58	2s41	1s31	21s28	1s 9	11s32	0s56	4n48	2n37	0n 8	0n45	5n51	1s44	26n 2	11n51	1s21	1s 6	4n 5	2s51	3s 6

Julian Day Number = 2164895.5, Delta T = 12m51s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'47, Lahiri = 12°54'47 Julian Calendar 1 March 1215 == Greg. Calendar 8 March 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

APRIL 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 2 53	17♈35'28	18♈32	15°R41	28♓ 0	0♒13	2♓36	23°R53	1°R22	18♈58	20°R 7	3°R22	2♎42	12♈23	29°R57	W 1
T 2	13 6 49	18°34'01	0♉21	14♈58	29°14	0°54	2°48	23♍49	1♎20	19° 0	20♌ 6	3♎21	2°39	12°29	29♍53	T 2
F 3	13 10 46	19°32'31	12°14	14°17	0♈27	1°36	3° 0	23°45	1°18	19° 3	20° 6	3°19	2°36	12°36	29°48	F 3
S 4	13 14 43	20°31'00	24°13	13°37	1°41	2°17	3°12	23°41	1°15	19° 5	20° 5	3°16	2°32	12°43	29°44	S 4
S 5	13 18 39	21°29'27	6♊21	13° 0	2°55	2°59	3°24	23°37	1°13	19° 7	20° 4	3°14	2°29	12°49	29°40	S 5
M 6	13 22 36	22°27'51	18°40	12°25	4° 8	3°40	3°36	23°33	1°10	19° 9	20° 4	3°11	2°26	12°56	29°36	M 6
T 7	13 26 32	23°26'14	1♋13	11°54	5°22	4°21	3°48	23°30	1° 8	19°12	20° 3	3° 9	2°23	13° 2	29°32	T 7
W 8	13 30 29	24°24'34	14° 3	11°27	6°35	5° 2	3°59	23°26	1° 6	19°14	20° 3	3° 8	2°20	13° 9	29°28	W 8
T 9	13 34 25	25°22'52	27°13	11° 4	7°49	5°44	4°11	23°22	1° 3	19°16	20° 2	3°D 7	2°17	13°16	29°24	T 9
F 10	13 38 22	26°21'08	10♌45	10°46	9° 3	6°25	4°22	23°19	1° 1	19°19	20° 2	3° 8	2°13	13°22	29°20	F 10
S 11	13 42 18	27°19'22	24°42	10°32	10°16	7° 6	4°34	23°15	0°59	19°21	20° 1	3° 9	2°10	13°29	29°16	S 11
S 12	13 46 15	28°17'34	9♍ 2	10°23	11°30	7°47	4°45	23°12	0°57	19°23	20° 1	3°10	2° 7	13°36	29°13	S 12
M13	13 50 12	29°15'44	23°45	10°D19	12°43	8°28	4°56	23° 9	0°55	19°25	20° 1	3°12	2° 4	13°42	29° 9	M13
T 14	13 54 8	0♉13'51	8♎44	10°20	13°57	9°10	5° 7	23° 5	0°52	19°27	20° 0	3°R12	2° 1	13°49	29° 5	T 14
W15	13 58 5	1°11'57	23°53	10°25	15°11	9°51	5°18	23° 2	0°50	19°30	20° 0	3°11	1°57	13°56	29° 2	W15
T 16	14 2 1	2°10'01	9♏ 3	10°35	16°24	10°32	5°29	22°59	0°48	19°32	20° 0	3° 8	1°54	14° 2	28°58	T 16
F 17	14 5 58	3° 8'04	24° 4	10°50	17°38	11°13	5°40	22°56	0°46	19°34	20° 0	3° 4	1°51	14° 9	28°55	F 17
S 18	14 9 54	4° 6'05	8♐47	11°10	18°51	11°54	5°51	22°53	0°44	19°36	19°59	3° 0	1°48	14°16	28°52	S 18
S 19	14 13 51	5° 4'04	23° 6	11°34	20° 5	12°35	6° 2	22°50	0°42	19°39	19°59	2°56	1°45	14°22	28°49	S 19
M20	14 17 47	6° 2'03	6♑58	12° 2	21°18	13°16	6°12	22°47	0°40	19°41	19°59	2°52	1°42	14°29	28°45	M20
T 21	14 21 44	6°59'59	20°21	12°34	22°32	13°57	6°23	22°45	0°38	19°43	19°59	2°49	1°38	14°36	28°42	T 21
W22	14 25 41	7°57'55	3♒17	13°10	23°46	14°37	6°33	22°42	0°36	19°45	19°59	2°D48	1°35	14°42	28°40	W22
T 23	14 29 37	8°55'49	15°50	13°50	24°59	15°18	6°43	22°40	0°34	19°47	19°59	2°48	1°32	14°49	28°37	T 23
F 24	14 33 34	9°53'42	28° 5	14°34	26°13	15°59	6°53	22°37	0°33	19°49	19°59	2°49	1°29	14°55	28°34	F 24
S 25	14 37 30	10°51'33	10♓ 5	15°22	27°26	16°40	7° 3	22°35	0°31	19°52	19°D59	2°51	1°26	15° 2	28°31	S 25
S 26	14 41 27	11°49'23	21°57	16°13	28°40	17°20	7°13	22°33	0°29	19°54	19°59	2°52	1°23	15° 9	28°29	S 26
M27	14 45 23	12°47'12	3♈44	17° 7	29°53	18° 1	7°23	22°30	0°27	19°56	19°59	2°R53	1°19	15°15	28°26	M27
T 28	14 49 20	13°44'59	15°30	18° 4	1♉ 7	18°42	7°32	22°28	0°26	19°58	19°59	2°52	1°16	15°22	28°24	T 28
W29	14 53 16	14°42'46	27°19	19° 5	2°20	19°22	7°42	22°26	0°24	20° 0	19°59	2°49	1°13	15°29	28°22	W29
T 30	14 57 13	15♉40'31	9♉13	20♈ 8	3♉34	20♒ 2	7♓51	22♍24	0♎22	20♈ 2	19♌59	2♎44	1♎10	15♈35	28♍19	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n56	6n 1	1s23	7n47	1n43	2s12	1s32	21s20	1s10	11s28	0s56	4n50	2n37	0n 9	0n45	5n52	1s44	26n 2	11n51	1s21	1s 5	4n 7	2s49	3s 6
T 2	7 18	9 24	2 24	7 16	1 28	1 43	1 32	21 12	1 12	11 24	0 56	4 51	2 37	0 10	0 45	5 52	1 44	26 2	11 50	1 20	1 3	4 9	2 47	3 5
F 3	7 41	12 25	3 19	6 45	1 12	1 13	1 32	21 5	1 13	11 19	0 57	4 53	2 36	0 10	0 45	5 53	1 44	26 2	11 50	1 19	1 2	4 10	2 45	3 5
S 4	8 3	14 56	4 6	6 14	0 55	0 44	1 32	20 57	1 15	11 15	0 57	4 54	2 36	0 11	0 45	5 54	1 44	26 2	11 50	1 18	1 1	4 12	2 43	3 4
S 5	8 25	16 50	4 42	5 44	0 38	0 15	1 32	20 49	1 16	11 11	0 57	4 56	2 36	0 12	0 45	5 55	1 44	26 2	11 50	1 17	1 0	4 14	2 41	3 4
M 6	8 47	17 59	5 6	5 15	0 21	0n15	1 32	20 40	1 18	11 7	0 57	4 57	2 36	0 13	0 45	5 56	1 44	26 2	11 49	1 16	0 58	4 16	2 38	3 3
T 7	9 8	18 16	5 16	4 48	0 5	0 44	1 32	20 32	1 19	11 3	0 57	4 59	2 36	0 14	0 45	5 57	1 44	26 2	11 49	1 15	0 57	4 18	2 36	3 3
W 8	9 30	17 39	5 10	4 22	0s12	1 14	1 31	20 23	1 20	10 59	0 57	5 0	2 36	0 15	0 45	5 58	1 44	26 1	11 49	1 15	0 56	4 19	2 34	3 2
T 9	9 51	16 5	4 48	3 58	0 28	1 43	1 31	20 14	1 22	10 55	0 58	5 1	2 36	0 16	0 45	5 58	1 44	26 1	11 49	1 15	0 55	4 21	2 32	3 2
F 10	10 13	13 36	4 10	3 36	0 44	2 13	1 31	20 6	1 23	10 51	0 58	5 3	2 36	0 17	0 45	5 59	1 44	26 1	11 48	1 15	0 53	4 23	2 30	3 1
S 11	10 34	10 15	3 17	3 17	0 59	2 42	1 30	19 56	1 25	10 47	0 58	5 4	2 36	0 18	0 45	6 0	1 44	26 1	11 48	1 15	0 52	4 25	2 28	3 1
S 12	10 55	6 13	2 9	3 0	1 13	3 11	1 30	19 47	1 26	10 43	0 58	5 5	2 35	0 19	0 45	6 1	1 44	26 1	11 48	1 16	0 51	4 26	2 26	3 0
M13	11 15	1 42	0 52	2 46	1 27	3 41	1 29	19 38	1 28	10 39	0 58	5 6	2 35	0 19	0 45	6 2	1 44	26 1	11 48	1 16	0 49	4 28	2 25	3 0
T 14	11 36	3s 1	0n30	2 34	1 40	4 10	1 28	19 28	1 29	10 35	0 59	5 8	2 35	0 20	0 45	6 3	1 44	26 1	11 47	1 17	0 48	4 30	2 23	2 59
W15	11 56	7 35	1 51	2 26	1 52	4 39	1 28	19 19	1 31	10 31	0 59	5 9	2 35	0 21	0 45	6 4	1 44	26 1	11 47	1 16	0 47	4 32	2 21	2 59
T 16	12 17	11 40	3 4	2 19	2 3	5 8	1 27	19 9	1 32	10 27	0 59	5 10	2 35	0 22	0 45	6 4	1 44	26 1	11 47	1 15	0 46	4 34	2 19	2 58
F 17	12 37	14 56	4 4	2 15	2 14	5 37	1 26	18 59	1 34	10 23	0 59	5 11	2 35	0 23	0 45	6 5	1 44	26 0	11 47	1 14	0 44	4 35	2 17	2 58
S 18	12 56	17 9	4 46	2 14	2 23	6 6	1 25	18 49	1 35	10 20	0 59	5 12	2 35	0 24	0 45	6 6	1 44	26 0	11 46	1 12	0 43	4 37	2 15	2 57
S 19	13 16	18 13	5 8	2 16	2 32	6 35	1 24	18 39	1 37	10 16	1 0	5 13	2 34	0 24	0 45	6 7	1 44	26 0	11 46	1 10	0 42	4 39	2 14	2 57
M20	13 35	18 9	5 12	2 19	2 40	7 3	1 23	18 29	1 39	10 12	1 0	5 14	2 34	0 25	0 45	6 8	1 44	26 0	11 46	1 9	0 41	4 41	2 12	2 56
T 21	13 54	17 4	4 59	2 26	2 47	7 32	1 22	18 19	1 40	10 8	1 0	5 15	2 34	0 26	0 45	6 8	1 44	26 0	11 46	1 7	0 39	4 43	2 10	2 56
W22	14 13	15 7	4 30	2 34	2 53	8 0	1 21	18 8	1 42	10 5	1 0	5 16	2 34	0 27	0 45	6 9	1 44	25 59	11 45	1 7	0 38	4 44	2 8	2 55
T 23	14 32	12 30	3 49	2 45	2 58	8 28	1 20	17 57	1 43	10 1	1 1	5 17	2 34	0 27	0 45	6 10	1 44	25 59	11 45	1 7	0 37	4 46	2 7	2 55
F 24	14 50	9 24	2 59	2 58	3 3	8 56	1 19	17 47	1 45	9 58	1 1	5 17	2 34	0 28	0 45	6 11	1 44	25 59	11 45	1 7	0 35	4 48	2 5	2 54
S 25	15 9	5 57	2 1	3 12	3 6	9 24	1 17	17 36	1 46	9 54	1 1	5 18	2 33	0 29	0 45	6 12	1 44	25 59	11 44	1 8	0 34	4 50	2 4	2 53
S 26	15 27	2 18	0 59	3 29	3 9	9 52	1 16	17 25	1 48	9 51	1 1	5 19	2 33	0 29	0 45	6 12	1 44	25 58	11 44	1 9	0 33	4 51	2 2	2 53
M27	15 44	1n25	0s 5	3 48	3 12	10 19	1 15	17 14	1 50	9 47	1 1	5 20	2 33	0 30	0 45	6 13	1 44	25 58	11 44	1 9	0 32	4 53	2 1	2 52
T 28	16 2	5 5	1 8	4 9	3 13	10 46	1 13	17 3	1 51	9 44	1 2	5 20	2 33	0 31	0 45	6 14	1 44	25 58	11 44	1 9	0 30	4 55	1 59	2 52
W29	16 19	8 33	2 9	4 31	3 14	11 13	1 12	16 52	1 53	9 40	1 2	5 21	2 33	0 31	0 45	6 15	1 44	25 57	11 43	1 7	0 29	4 57	1 58	2 51
T 30	16n36	11n43	3s 4	4n55	3s14	11n40	1s10	16s40	1s55	9s37	1s 2	5n21	2n32	0n32	0n44	6n15	1s44	25n57	11n43	1s 6	0s28	4n59	1s56	2s51

Julian Day Number = 2164926.5, Delta T = 12m51s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'51, Lahiri = 12°54'52 Julian Calendar 1 Apr. 1215 == Greg. Calendar 8 Apr. 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

MAY 1215 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 1 9	16♉38'14	21♉15	21♈15	4♉48	20♒43	8♓ 1	22°R23	0°R21	20♈ 4	19♌59	2°R38	1♎ 7	15♈42	28°R17	F 1
S 2	15 5 6	17°35'56	3♊25	22°24	6° 1	21°23	8°10	22♍21	0♎19	20° 6	19°59	2♎30	1° 3	15°49	28♍15	S 2
S 3	15 9 3	18°33'37	15°45	23°36	7°15	22° 3	8°19	22°19	0°18	20° 8	20° 0	2°21	1° 0	15°55	28°14	S 3
M 4	15 12 59	19°31'17	28°17	24°51	8°28	22°44	8°28	22°18	0°17	20°10	20° 0	2°13	0°57	16° 2	28°12	M 4
T 5	15 16 56	20°28'55	11♋ 1	26° 9	9°42	23°24	8°36	22°16	0°15	20°12	20° 0	2° 6	0°54	16° 9	28°10	T 5
W 6	15 20 52	21°26'31	23°58	27°29	10°55	24° 4	8°45	22°15	0°14	20°14	20° 0	2° 1	0°51	16°15	28° 9	W 6
T 7	15 24 49	22°24'06	7♌11	28°52	12° 9	24°44	8°54	22°14	0°13	20°16	20° 1	1°58	0°48	16°22	28° 7	T 7
F 8	15 28 45	23°21'40	20°41	0♉17	13°23	25°23	9° 2	22°13	0°11	20°18	20° 1	1°D57	0°44	16°29	28° 6	F 8
S 9	15 32 42	24°19'11	4♍28	1°45	14°36	26° 3	9°10	22°12	0°10	20°20	20° 2	1°57	0°41	16°35	28° 5	S 9
S 10	15 36 39	25°16'42	18°35	3°15	15°50	26°43	9°18	22°11	0° 9	20°22	20° 2	1°58	0°38	16°42	28° 3	S 10
M11	15 40 35	26°14'11	3♎ 0	4°48	17° 3	27°23	9°26	22°10	0° 8	20°24	20° 2	1°R59	0°35	16°49	28° 2	M11
T 12	15 44 32	27°11'38	17°41	6°23	18°17	28° 2	9°34	22° 9	0° 7	20°26	20° 3	1°58	0°32	16°55	28° 1	T 12
W13	15 48 28	28° 9'05	2♏33	8° 0	19°30	28°41	9°42	22° 9	0° 6	20°28	20° 3	1°55	0°29	17° 2	28° 1	W13
T 14	15 52 25	29° 6'30	17°29	9°40	20°44	29°21	9°49	22° 8	0° 5	20°30	20° 4	1°49	0°25	17° 8	28° 0	T 14
F 15	15 56 21	0♊ 3'54	2♐21	11°23	21°57	0♓ 0	9°57	22° 8	0° 4	20°32	20° 5	1°42	0°22	17°15	27°59	F 15
S 16	16 0 18	1° 1'18	17° 0	13° 8	23°11	0°39	10° 4	22° 7	0° 3	20°34	20° 5	1°33	0°19	17°22	27°59	S 16
S 17	16 4 14	1°58'40	1♑19	14°55	24°25	1°18	10°11	22° 7	0° 2	20°35	20° 6	1°24	0°16	17°28	27°59	S 17
M18	16 8 11	2°56'02	15°13	16°45	25°38	1°57	10°18	22° 7	0° 2	20°37	20° 6	1°15	0°13	17°35	27°58	M18
T 19	16 12 8	3°53'23	28°40	18°37	26°52	2°36	10°25	22°D 7	0° 1	20°39	20° 7	1° 9	0° 9	17°42	27°58	T 19
W20	16 16 4	4°50'43	11♒40	20°32	28° 5	3°15	10°31	22° 7	0° 0	20°41	20° 8	1° 4	0° 6	17°48	27°D58	W20
T 21	16 20 1	5°48'03	24°15	22°28	29°19	3°54	10°38	22° 7	29♍59	20°42	20° 9	1° 1	0° 3	17°55	27°58	T 21
F 22	16 23 57	6°45'22	6♓31	24°27	0♊32	4°32	10°44	22° 8	29°59	20°44	20° 9	1°D 1	29♍59	18° 2	27°58	F 22
S 23	16 27 54	7°42'41	18°32	26°28	1°46	5°11	10°50	22° 8	29°59	20°46	20°10	1° 1	29°57	18° 8	27°59	S 23
S 24	16 31 50	8°39'59	0♈23	28°31	3° 0	5°49	10°56	22° 8	29°58	20°47	20°11	1°R 1	29°54	18°15	27°59	S 24
M25	16 35 47	9°37'16	12°11	0♊36	4°13	6°27	11° 2	22° 9	29°58	20°49	20°12	1° 1	29°50	18°22	28° 0	M25
T 26	16 39 43	10°34'34	23°59	2°42	5°27	7° 5	11° 8	22°10	29°58	20°51	20°13	0°58	29°47	18°28	28° 0	T 26
W27	16 43 40	11°31'50	5♉51	4°50	6°40	7°43	11°14	22°11	29°57	20°52	20°14	0°54	29°44	18°35	28° 1	W27
T 28	16 47 37	12°29'07	17°52	6°59	7°54	8°21	11°19	22°11	29°57	20°54	20°15	0°46	29°41	18°42	28° 2	T 28
F 29	16 51 33	13°26'23	0♊ 4	9°10	9° 8	8°59	11°24	22°12	29°57	20°55	20°15	0°36	29°38	18°48	28° 3	F 29
S 30	16 55 30	14°23'38	12°28	11°21	10°21	9°36	11°29	22°13	29°57	20°57	20°16	0°25	29°35	18°55	28° 4	S 30
S 31	16 59 26	15♊20'53	25♊ 5	13♊32	11♊35	10♓14	11♓34	22♍15	29♍57	20♈58	20♌17	0♎12	29♍31	19♈ 2	28♍ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n53	14n25	3s52	5n21	3s13	12n 6	1s 8	16s29	1s56	9s34	1s 2	5n22	2n32	0n32	0n44	6n16	1s44	25n57	11n43	1s 3	0s27	5n 0	1s55	2s50	F 1
S 2	17 9	16 31	4 30	5 48	3 11	12 32	1 7	16 17	1 58	9 31	1 3	5 22	2 32	0 33	0 44	6 17	1 44	25 57	11 43	1 0	0 25	5 2	1 54	2 49	S 2
S 3	17 25	17 53	4 55	6 16	3 9	12 58	1 5	16 6	2 0	9 27	1 3	5 23	2 32	0 34	0 44	6 18	1 44	25 56	11 42	0 56	0 24	5 4	1 52	2 49	S 3
M 4	17 41	18 24	5 7	6 46	3 7	13 23	1 3	15 54	2 1	9 24	1 3	5 23	2 32	0 34	0 44	6 18	1 44	25 56	11 42	0 53	0 23	5 6	1 51	2 48	M 4
T 5	17 57	18 2	5 4	7 17	3 3	13 48	1 2	15 43	2 3	9 21	1 3	5 24	2 31	0 35	0 44	6 19	1 44	25 56	11 42	0 50	0 22	5 7	1 50	2 48	T 5
W 6	18 12	16 43	4 46	7 50	2 59	14 13	1 0	15 31	2 4	9 18	1 4	5 24	2 31	0 35	0 44	6 20	1 44	25 55	11 41	0 48	0 20	5 9	1 49	2 47	W 6
T 7	18 27	14 29	4 12	8 23	2 55	14 38	0 58	15 19	2 6	9 15	1 4	5 24	2 31	0 36	0 44	6 21	1 44	25 55	11 41	0 47	0 19	5 11	1 48	2 46	T 7
F 8	18 41	11 26	3 24	8 58	2 50	15 2	0 56	15 7	2 8	9 12	1 4	5 25	2 31	0 36	0 44	6 21	1 44	25 54	11 41	0 47	0 18	5 13	1 46	2 46	F 8
S 9	18 56	7 42	2 23	9 34	2 44	15 25	0 54	14 55	2 10	9 9	1 4	5 25	2 31	0 36	0 44	6 22	1 44	25 54	11 41	0 47	0 16	5 15	1 45	2 45	S 9
S 10	19 10	3 26	1 11	10 11	2 38	15 49	0 52	14 43	2 11	9 7	1 5	5 25	2 30	0 37	0 44	6 23	1 44	25 54	11 40	0 47	0 15	5 16	1 44	2 45	S 10
M11	19 23	1s 7	0n 5	10 48	2 31	16 12	0 50	14 31	2 13	9 4	1 5	5 25	2 30	0 37	0 44	6 23	1 44	25 53	11 40	0 47	0 14	5 18	1 43	2 44	M11
T 12	19 37	5 41	1 23	11 27	2 24	16 34	0 48	14 19	2 15	9 1	1 5	5 25	2 30	0 38	0 44	6 24	1 44	25 53	11 40	0 47	0 13	5 20	1 43	2 43	T 12
W13	19 50	9 57	2 36	12 6	2 16	16 57	0 46	14 6	2 16	8 58	1 5	5 25	2 30	0 38	0 44	6 25	1 45	25 52	11 39	0 46	0 11	5 22	1 42	2 43	W13
T 14	20 3	13 37	3 39	12 45	2 8	17 18	0 44	13 54	2 18	8 56	1 6	5 25	2 30	0 38	0 44	6 25	1 45	25 52	11 39	0 44	0 10	5 23	1 41	2 42	T 14
F 15	20 15	16 22	4 26	13 25	1 59	17 40	0 42	13 42	2 20	8 53	1 6	5 25	2 29	0 39	0 44	6 26	1 45	25 51	11 39	0 41	0 9	5 25	1 40	2 42	F 15
S 16	20 27	18 0	4 55	14 6	1 50	18 0	0 40	13 29	2 22	8 51	1 6	5 25	2 29	0 39	0 44	6 27	1 45	25 51	11 39	0 37	0 8	5 27	1 39	2 41	S 16
S 17	20 39	18 27	5 5	14 47	1 40	18 21	0 37	13 17	2 23	8 48	1 6	5 25	2 29	0 39	0 44	6 27	1 45	25 51	11 38	0 33	0 6	5 29	1 39	2 40	S 17
M18	20 50	17 46	4 56	15 28	1 30	18 41	0 35	13 5	2 25	8 46	1 7	5 25	2 29	0 39	0 44	6 28	1 45	25 50	11 38	0 30	0 5	5 30	1 38	2 40	M18
T 19	21 1	16 6	4 31	16 9	1 20	19 0	0 33	12 52	2 27	8 44	1 7	5 25	2 29	0 40	0 44	6 29	1 45	25 50	11 38	0 27	0 4	5 32	1 37	2 39	T 19
W20	21 12	13 38	3 52	16 50	1 10	19 19	0 31	12 40	2 28	8 41	1 7	5 24	2 28	0 40	0 44	6 29	1 45	25 49	11 38	0 26	0 3	5 34	1 37	2 39	W20
T 21	21 22	10 37	3 3	17 30	0 59	19 37	0 28	12 27	2 30	8 39	1 8	5 24	2 28	0 40	0 44	6 30	1 45	25 49	11 37	0 25	0 1	5 36	1 36	2 38	T 21
F 22	21 32	7 11	2 7	18 11	0 49	19 55	0 26	12 14	2 32	8 37	1 8	5 24	2 28	0 40	0 44	6 31	1 45	25 48	11 37	0 24	0n 0	5 37	1 36	2 37	F 22
S 23	21 41	3 32	1 6	18 50	0 38	20 13	0 24	12 2	2 34	8 35	1 8	5 24	2 28	0 40	0 44	6 31	1 45	25 48	11 37	0 24	0 1	5 39	1 35	2 37	S 23
S 24	21 50	0n12	0 3	19 29	0 27	20 30	0 21	11 49	2 36	8 33	1 8	5 23	2 27	0 41	0 44	6 32	1 45	25 47	11 37	0 25	0 3	5 41	1 35	2 36	S 24
M25	21 59	3 55	0s59	20 6	0 16	20 46	0 19	11 37	2 37	8 31	1 9	5 23	2 27	0 41	0 44	6 32	1 45	25 47	11 36	0 24	0 4	5 43	1 35	2 36	M25
T 26	22 8	7 30	1 59	20 43	0 5	21 1	0 17	11 24	2 39	8 29	1 9	5 22	2 27	0 41	0 43	6 33	1 45	25 46	11 36	0 23	0 5	5 45	1 34	2 35	T 26
W27	22 16	10 47	2 54	21 17	0n 6	21 17	0 14	11 12	2 41	8 27	1 9	5 22	2 27	0 41	0 43	6 33	1 45	25 46	11 36	0 21	0 6	5 46	1 34	2 34	W27
T 28	22 23	13 40	3 42	21 51	0 17	21 31	0 12	10 59	2 43	8 25	1 10	5 21	2 27	0 41	0 43	6 34	1 45	25 45	11 36	0 18	0 8	5 48	1 34	2 34	T 28
F 29	22 30	16 0	4 20	22 22	0 27	21 45	0 10	10 46	2 44	8 24	1 10	5 21	2 26	0 41	0 43	6 35	1 45	25 44	11 35	0 15	0 9	5 50	1 34	2 33	F 29
S 30	22 37	17 38	4 47	22 51	0 37	21 58	0 7	10 34	2 46	8 22	1 10	5 20	2 26	0 41	0 43	6 35	1 45	25 44	11 35	0 10	0 10	5 52	1 34	2 33	S 30
S 31	22n44	18n27	5s 0	23n17	0n47	22n11	0s 5	10s21	2s48	8s20	1s10	5n19	2n26	0n41	0n43	6n36	1s45	25n43	11n35	0s 5	0n11	5n53	1s34	2s32	S 31

Julian Day Number = 2164956.5, Delta T = 12m50s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°47'55, Lahiri = 12°54'56 Julian Calendar 1 May 1215 == Greg. Calendar 8 May 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

JUNE 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 3 23	16♊18'08	7♋55	15♊44	12♊49	10♓51	11♓39	22♍16	29°D57	21♈ 0	20♌18	0°R 0	29♍28	19♈ 8	28♍ 7	M 1
T 2	17 7 19	17°15'22	20°57	17°55	14° 2	11°28	11°43	22°17	29♍57	21° 1	20°20	29♍49	29°25	19°15	28° 8	T 2
W 3	17 11 16	18°12'35	4♌11	20° 7	15°16	12° 5	11°48	22°19	29°57	21° 3	20°21	29°41	29°22	19°22	28°10	W 3
T 4	17 15 12	19° 9'48	17°36	22°17	16°30	12°41	11°52	22°20	29°57	21° 4	20°22	29°35	29°19	19°28	28°11	T 4
F 5	17 19 9	20° 7'00	1♍13	24°27	17°43	13°18	11°56	22°22	29°57	21° 6	20°23	29°33	29°15	19°35	28°13	F 5
S 6	17 23 6	21° 4'11	15° 1	26°36	18°57	13°54	12° 0	22°24	29°57	21° 7	20°24	29°32	29°12	19°42	28°15	S 6
S 7	17 27 2	22° 1'22	29° 1	28°43	20°11	14°30	12° 3	22°26	29°58	21° 8	20°25	29°31	29° 9	19°48	28°17	S 7
M 8	17 30 59	22°58'32	13♎13	0♋49	21°24	15° 6	12° 7	22°28	29°58	21°10	20°26	29°31	29° 6	19°55	28°19	M 8
T 9	17 34 55	23°55'42	27°35	2°54	22°38	15°42	12°10	22°30	29°58	21°11	20°28	29°29	29° 3	20° 1	28°21	T 9
W10	17 38 52	24°52'51	12♏ 5	4°57	23°52	16°18	12°13	22°32	29°59	21°12	20°29	29°25	29° 0	20° 8	28°23	W10
T 11	17 42 48	25°50'00	26°38	6°58	25° 5	16°53	12°16	22°34	29°59	21°13	20°30	29°18	28°56	20°15	28°26	T 11
F 12	17 46 45	26°47'09	11♐ 8	8°57	26°19	17°28	12°19	22°37	29°59	21°14	20°31	29° 8	28°53	20°21	28°28	F 12
S 13	17 50 41	27°44'17	25°30	10°54	27°33	18° 3	12°21	22°39	0♎ 1	21°16	20°33	28°57	28°50	20°28	28°31	S 13
S 14	17 54 38	28°41'26	9♑36	12°50	28°46	18°38	12°24	22°42	0° 1	21°17	20°34	28°46	28°47	20°35	28°34	S 14
M15	17 58 35	29°38'34	23°21	14°43	0♋ 0	19°13	12°26	22°44	0° 2	21°18	20°36	28°35	28°44	20°41	28°37	M15
T 16	18 2 31	0♋35'43	6♒43	16°34	1°14	19°47	12°28	22°47	0° 3	21°19	20°37	28°26	28°41	20°48	28°40	T 16
W17	18 6 28	1°32'52	19°41	18°24	2°28	20°21	12°29	22°50	0° 3	21°20	20°38	28°19	28°37	20°55	28°43	W17
T 18	18 10 24	2°30'01	2♓17	20°11	3°41	20°55	12°31	22°53	0° 4	21°21	20°40	28°15	28°34	21° 1	28°46	T 18
F 19	18 14 21	3°27'10	14°33	21°56	4°55	21°29	12°32	22°56	0° 5	21°22	20°41	28°13	28°31	21° 8	28°49	F 19
S 20	18 18 17	4°24'20	26°35	23°40	6° 9	22° 2	12°34	22°59	0° 6	21°23	20°43	28°D13	28°28	21°15	28°52	S 20
S 21	18 22 14	5°21'30	8♈28	25°21	7°23	22°35	12°35	23° 2	0° 7	21°24	20°44	28°R13	28°25	21°21	28°56	S 21
M22	18 26 10	6°18'40	20°16	27° 0	8°36	23° 8	12°35	23° 5	0° 8	21°25	20°46	28°12	28°21	21°28	28°59	M22
T 23	18 30 7	7°15'52	2♉ 7	28°37	9°50	23°40	12°36	23° 8	0° 9	21°25	20°47	28°10	28°18	21°35	29° 3	T 23
W24	18 34 4	8°13'03	14° 3	0♌13	11° 4	24°13	12°36	23°12	0°11	21°26	20°49	28° 5	28°15	21°41	29° 7	W24
T 25	18 38 0	9°10'15	26°10	1°46	12°18	24°45	12°37	23°15	0°12	21°27	20°50	27°58	28°12	21°48	29°11	T 25
F 26	18 41 57	10° 7'28	8♊31	3°17	13°32	25°16	12°R37	23°19	0°13	21°28	20°52	27°49	28° 9	21°55	29°14	F 26
S 27	18 45 53	11° 4'41	21° 8	4°46	14°46	25°48	12°37	23°23	0°14	21°29	20°53	27°37	28° 6	22° 1	29°19	S 27
S 28	18 49 50	12° 1'55	4♋ 2	6°13	15°59	26°19	12°36	23°26	0°16	21°29	20°55	27°25	28° 2	22° 8	29°23	S 28
M29	18 53 46	12°59'10	17°12	7°37	17°13	26°50	12°36	23°30	0°17	21°30	20°57	27°13	27°59	22°15	29°27	M29
T 30	18 57 43	13♋56'24	0♌36	9♌ 0	18♋27	27♓20	12♓35	23♍34	0♎19	21♈31	20♌58	27♍ 3	27♍56	22♈21	29♍31	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n50	18n20	4s59	23n42	0n56	22n23	0s 3	10s 9	2s50	8s19	1s11	5n19	2n26	0n41	0n43	6n36	1s45	25n43	11n35	0s 0	0n13	5n55	1s34	2s31
T 2	22 55	17 16	4 41	24 3	1 4	22 35	0 0	9 56	2 52	8 17	1 11	5 18	2 25	0 41	0 43	6 37	1 45	25 42	11 34	0n 4	0 14	5 57	1 34	2 31
W 3	23 1	15 15	4 9	24 22	1 13	22 45	0n 2	9 44	2 53	8 16	1 11	5 17	2 25	0 41	0 43	6 37	1 45	25 42	11 34	0 8	0 15	5 59	1 34	2 30
T 4	23 6	12 24	3 23	24 39	1 20	22 56	0 5	9 31	2 55	8 15	1 12	5 16	2 25	0 41	0 43	6 38	1 46	25 41	11 34	0 10	0 17	6 0	1 34	2 30
F 5	23 10	8 51	2 24	24 52	1 27	23 5	0 7	9 19	2 57	8 13	1 12	5 15	2 25	0 41	0 43	6 38	1 46	25 40	11 34	0 11	0 18	6 2	1 34	2 29
S 6	23 14	4 45	1 16	25 2	1 33	23 14	0 9	9 6	2 59	8 12	1 12	5 14	2 25	0 40	0 43	6 38	1 46	25 40	11 33	0 11	0 19	6 4	1 34	2 28
S 7	23 18	0 21	0 3	25 10	1 38	23 22	0 12	8 54	3 1	8 11	1 13	5 13	2 24	0 40	0 43	6 39	1 46	25 39	11 33	0 11	0 20	6 6	1 34	2 28
M 8	23 21	4s 8	1n12	25 15	1 43	23 29	0 14	8 42	3 2	8 10	1 13	5 12	2 24	0 40	0 43	6 39	1 46	25 39	11 33	0 12	0 22	6 7	1 35	2 27
T 9	23 24	8 26	2 23	25 17	1 47	23 36	0 16	8 29	3 4	8 9	1 13	5 11	2 24	0 40	0 43	6 40	1 46	25 38	11 33	0 12	0 23	6 9	1 35	2 27
W10	23 26	12 16	3 25	25 16	1 50	23 42	0 19	8 17	3 6	8 8	1 13	5 10	2 24	0 40	0 43	6 40	1 46	25 37	11 33	0 14	0 24	6 11	1 35	2 26
T 11	23 28	15 22	4 14	25 13	1 52	23 48	0 21	8 5	3 8	8 7	1 14	5 9	2 23	0 39	0 43	6 41	1 46	25 37	11 32	0 17	0 25	6 13	1 36	2 26
F 12	23 30	17 29	4 46	25 8	1 54	23 52	0 23	7 53	3 10	8 7	1 14	5 8	2 23	0 39	0 43	6 41	1 46	25 36	11 32	0 21	0 27	6 14	1 36	2 25
S 13	23 31	18 28	5 0	25 0	1 55	23 56	0 26	7 41	3 12	8 6	1 14	5 7	2 23	0 39	0 43	6 41	1 46	25 35	11 32	0 25	0 28	6 16	1 37	2 24
S 14	23 32	18 17	4 55	24 50	1 55	24 0	0 28	7 29	3 13	8 5	1 15	5 6	2 23	0 39	0 43	6 42	1 46	25 35	11 32	0 30	0 29	6 18	1 37	2 24
M15	23 32	17 1	4 34	24 38	1 55	24 2	0 30	7 17	3 15	8 5	1 15	5 5	2 23	0 38	0 43	6 42	1 46	25 34	11 32	0 34	0 30	6 19	1 38	2 23
T 16	23 32	14 51	3 57	24 23	1 54	24 4	0 32	7 5	3 17	8 4	1 15	5 3	2 22	0 38	0 43	6 42	1 46	25 34	11 31	0 38	0 32	6 21	1 39	2 23
W17	23 32	11 59	3 9	24 7	1 52	24 5	0 34	6 53	3 19	8 4	1 16	5 2	2 22	0 38	0 43	6 43	1 46	25 33	11 31	0 40	0 33	6 23	1 39	2 22
T 18	23 31	8 38	2 13	23 49	1 50	24 6	0 37	6 41	3 21	8 4	1 16	5 1	2 22	0 37	0 42	6 43	1 46	25 32	11 31	0 42	0 34	6 25	1 40	2 22
F 19	23 30	5 0	1 12	23 30	1 47	24 5	0 39	6 30	3 22	8 3	1 16	4 59	2 22	0 37	0 42	6 43	1 46	25 32	11 31	0 43	0 36	6 26	1 41	2 21
S 20	23 28	1 14	0 9	23 9	1 43	24 4	0 41	6 18	3 24	8 3	1 17	4 58	2 22	0 36	0 42	6 44	1 46	25 31	11 31	0 43	0 37	6 28	1 42	2 20
S 21	23 26	2n32	0s54	22 47	1 39	24 3	0 43	6 6	3 26	8 3	1 17	4 56	2 21	0 36	0 42	6 44	1 46	25 30	11 30	0 43	0 38	6 30	1 43	2 20
M22	23 23	6 11	1 54	22 24	1 35	24 0	0 45	5 55	3 28	8 3	1 17	4 55	2 21	0 35	0 42	6 44	1 47	25 30	11 30	0 43	0 39	6 32	1 43	2 19
T 23	23 20	9 36	2 49	21 59	1 30	23 57	0 47	5 44	3 30	8 3	1 17	4 53	2 21	0 35	0 42	6 44	1 47	25 29	11 30	0 44	0 41	6 33	1 44	2 19
W24	23 17	12 39	3 38	21 33	1 24	23 53	0 49	5 33	3 32	8 3	1 18	4 52	2 21	0 34	0 42	6 45	1 47	25 28	11 30	0 46	0 42	6 35	1 45	2 18
T 25	23 13	15 13	4 17	21 7	1 18	23 49	0 51	5 21	3 33	8 3	1 18	4 50	2 21	0 34	0 42	6 45	1 47	25 28	11 30	0 49	0 43	6 37	1 46	2 18
F 26	23 9	17 8	4 45	20 39	1 11	23 43	0 53	5 10	3 35	8 4	1 18	4 49	2 20	0 33	0 42	6 45	1 47	25 27	11 30	0 52	0 44	6 39	1 48	2 17
S 27	23 4	18 16	4 59	20 11	1 4	23 37	0 55	5 0	3 37	8 4	1 19	4 47	2 20	0 33	0 42	6 45	1 47	25 26	11 30	0 57	0 46	6 40	1 49	2 17
S 28	22 59	18 29	4 59	19 42	0 56	23 31	0 56	4 49	3 39	8 4	1 19	4 45	2 20	0 32	0 42	6 46	1 47	25 26	11 29	1 2	0 47	6 42	1 50	2 16
M29	22 54	17 44	4 44	19 13	0 48	23 23	0 58	4 38	3 41	8 5	1 19	4 44	2 20	0 32	0 42	6 46	1 47	25 25	11 29	1 6	0 48	6 44	1 51	2 15
T 30	22n48	16n 0	4s12	18n43	0n40	23n15	1n 0	4s28	3s42	8s 6	1s20	4n42	2n20	0n31	0n42	6n46	1s47	25n24	11n29	1n11	0n50	6n45	1s52	2s15

Julian Day Number = 2164987.5, Delta T = 12m50s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'00, Lahiri = 12°55'00 Julian Calendar 1 June 1215 == Greg. Calendar 8 June 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

JULY 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 1 39	14♋53'39	14♌13	10♌21	19♋41	27♓50	12°R34	23♍38	0♎20	21♈31	21♌ 0	26°R55	27♍53	22♈28	29♍36	W 1
T 2	19 5 36	15°50'55	27°59	11°39	20°55	28°20	12♓33	23°42	0°22	21°32	21° 2	26♍49	27°50	22°35	29°40	T 2
F 3	19 9 33	16°48'10	11♍53	12°55	22° 9	28°49	12°31	23°46	0°24	21°32	21° 3	26°47	27°46	22°41	29°45	F 3
S 4	19 13 29	17°45'26	25°53	14° 8	23°23	29°18	12°30	23°51	0°25	21°33	21° 5	26°D46	27°43	22°48	29°50	S 4
S 5	19 17 26	18°42'43	9♎57	15°20	24°37	29°47	12°28	23°55	0°27	21°33	21° 7	26°46	27°40	22°55	29°54	S 5
M 6	19 21 22	19°40'00	24° 5	16°28	25°51	0♈15	12°26	23°59	0°29	21°34	21° 9	26°R46	27°37	23° 1	29°59	M 6
T 7	19 25 19	20°37'17	8♏16	17°35	27° 5	0°43	12°24	24° 4	0°30	21°34	21°10	26°45	27°34	23° 8	0♎ 4	T 7
W 8	19 29 15	21°34'34	22°27	18°38	28°18	1°10	12°22	24° 8	0°32	21°34	21°12	26°42	27°31	23°15	0° 9	W 8
T 9	19 33 12	22°31'52	6♐36	19°39	29°32	1°37	12°19	24°13	0°34	21°35	21°14	26°36	27°27	23°21	0°14	T 9
F 10	19 37 8	23°29'11	20°41	20°37	0♌46	2° 4	12°17	24°18	0°36	21°35	21°16	26°28	27°24	23°28	0°20	F 10
S 11	19 41 5	24°26'31	4♑37	21°32	2° 0	2°30	12°14	24°22	0°38	21°35	21°18	26°18	27°21	23°35	0°25	S 11
S 12	19 45 2	25°23'51	18°20	22°24	3°14	2°56	12°11	24°27	0°40	21°36	21°19	26° 9	27°18	23°41	0°30	S 12
M13	19 48 58	26°21'12	1♒47	23°12	4°28	3°21	12° 7	24°32	0°42	21°36	21°21	25°59	27°15	23°48	0°36	M13
T 14	19 52 55	27°18'33	14°55	23°58	5°42	3°46	12° 4	24°37	0°44	21°36	21°23	25°51	27°12	23°55	0°41	T 14
W15	19 56 51	28°15'56	27°43	24°39	6°56	4°11	12° 0	24°42	0°47	21°36	21°25	25°46	27° 8	24° 1	0°47	W15
T 16	20 0 48	29°13'20	10♓14	25°17	8°10	4°35	11°57	24°47	0°49	21°36	21°27	25°42	27° 5	24° 8	0°53	T 16
F 17	20 4 44	0♌10'45	22°27	25°51	9°24	4°58	11°53	24°52	0°51	21°36	21°29	25°D41	27° 2	24°14	0°58	F 17
S 18	20 8 41	1° 8'11	4♈29	26°21	10°38	5°21	11°49	24°58	0°53	21°36	21°31	25°41	26°59	24°21	1° 4	S 18
S 19	20 12 37	2° 5'39	16°21	26°47	11°52	5°44	11°44	25° 3	0°56	21°R36	21°32	25°42	26°56	24°28	1°10	S 19
M20	20 16 34	3° 3'07	28°11	27° 8	13° 6	6° 5	11°40	25° 8	0°58	21°36	21°34	25°R43	26°52	24°34	1°16	M20
T 21	20 20 31	4° 0'38	10♉ 2	27°25	14°20	6°27	11°35	25°14	1° 1	21°36	21°36	25°43	26°49	24°41	1°22	T 21
W22	20 24 27	4°58'09	22° 0	27°36	15°34	6°48	11°30	25°19	1° 3	21°36	21°38	25°41	26°46	24°48	1°28	W22
T 23	20 28 24	5°55'42	4♊10	27°43	16°48	7° 8	11°25	25°25	1° 6	21°36	21°40	25°38	26°43	24°54	1°35	T 23
F 24	20 32 20	6°53'17	16°36	27°R44	18° 2	7°27	11°20	25°30	1° 8	21°36	21°42	25°32	26°40	25° 1	1°41	F 24
S 25	20 36 17	7°50'53	29°21	27°40	19°16	7°46	11°15	25°36	1°11	21°36	21°44	25°25	26°37	25° 8	1°47	S 25
S 26	20 40 13	8°48'30	12♋27	27°30	20°30	8° 5	11° 9	25°42	1°13	21°36	21°46	25°18	26°33	25°14	1°54	S 26
M27	20 44 10	9°46'09	25°53	27°15	21°44	8°23	11° 4	25°48	1°16	21°35	21°48	25°10	26°30	25°21	2° 0	M27
T 28	20 48 6	10°43'49	9♌38	26°54	22°58	8°40	10°58	25°53	1°19	21°35	21°50	25° 3	26°27	25°28	2° 7	T 28
W29	20 52 3	11°41'31	23°38	26°28	24°12	8°56	10°52	25°59	1°21	21°35	21°52	24°58	26°24	25°34	2°14	W29
T 30	20 56 0	12°39'14	7♍50	25°57	25°26	9°12	10°46	26° 5	1°24	21°34	21°54	24°55	26°21	25°41	2°20	T 30
F 31	20 59 56	13♌36'57	22♍ 9	25♌20	26♌40	9♈27	10♓40	26♍11	1♎27	21♈34	21♌56	24°D54	26♍18	25♈48	2♎27	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n42	13n21	3s26	18n13	0n31	23n 6	1n 2	4s17	3s44	8s 6	1s20	4n40	2n19	0n30	0n42	6n46	1s47	25n24	11n29	1n14	0n51	6n47	1s54	2s14
T 2	22 36	9 56	2 27	17 43	0 22	22 57	1 3	4 7	3 46	8 7	1 20	4 38	2 19	0 30	0 42	6 46	1 47	25 23	11 29	1 16	0 52	6 49	1 55	2 14
F 3	22 29	5 56	1 18	17 12	0 12	22 47	1 5	3 57	3 48	8 8	1 21	4 36	2 19	0 29	0 42	6 46	1 47	25 22	11 29	1 17	0 53	6 51	1 56	2 13
S 4	22 21	1 34	0 5	16 42	0 2	22 36	1 7	3 47	3 50	8 9	1 21	4 35	2 19	0 28	0 42	6 47	1 47	25 21	11 29	1 18	0 55	6 52	1 58	2 13
S 5	22 14	2s53	1n10	16 11	0s 8	22 24	1 8	3 37	3 51	8 10	1 21	4 33	2 19	0 28	0 42	6 47	1 47	25 21	11 29	1 17	0 56	6 54	1 59	2 12
M 6	22 5	7 13	2 20	15 40	0 18	22 12	1 10	3 28	3 53	8 11	1 22	4 31	2 18	0 27	0 42	6 47	1 47	25 20	11 28	1 17	0 57	6 56	2 0	2 12
T 7	21 57	11 8	3 22	15 10	0 29	21 59	1 11	3 18	3 55	8 12	1 22	4 29	2 18	0 26	0 42	6 47	1 47	25 19	11 28	1 18	0 58	6 58	2 2	2 11
W 8	21 48	14 24	4 12	14 40	0 40	21 46	1 12	3 9	3 57	8 13	1 22	4 27	2 18	0 25	0 42	6 47	1 48	25 19	11 28	1 19	1 0	6 59	2 4	2 11
T 9	21 39	16 48	4 46	14 10	0 51	21 32	1 14	3 0	3 58	8 14	1 22	4 25	2 18	0 24	0 42	6 47	1 48	25 18	11 28	1 21	1 1	7 1	2 5	2 10
F 10	21 29	18 11	5 2	13 41	1 3	21 17	1 15	2 51	4 0	8 15	1 23	4 23	2 18	0 24	0 42	6 47	1 48	25 17	11 28	1 25	1 2	7 3	2 7	2 10
S 11	21 19	18 27	5 1	13 12	1 15	21 2	1 16	2 42	4 2	8 17	1 23	4 21	2 18	0 23	0 42	6 47	1 48	25 17	11 28	1 28	1 3	7 4	2 8	2 9
S 12	21 9	17 37	4 42	12 44	1 27	20 46	1 17	2 33	4 4	8 18	1 23	4 19	2 17	0 22	0 42	6 47	1 48	25 16	11 28	1 32	1 5	7 6	2 10	2 9
M13	20 58	15 50	4 7	12 17	1 39	20 29	1 18	2 24	4 5	8 20	1 24	4 17	2 17	0 21	0 41	6 47	1 48	25 15	11 28	1 36	1 6	7 8	2 12	2 8
T 14	20 47	13 14	3 20	11 51	1 51	20 12	1 19	2 16	4 7	8 21	1 24	4 15	2 17	0 20	0 41	6 47	1 48	25 15	11 28	1 39	1 7	7 10	2 14	2 8
W15	20 36	10 3	2 24	11 25	2 3	19 55	1 20	2 8	4 9	8 23	1 24	4 12	2 17	0 19	0 41	6 47	1 48	25 14	11 28	1 41	1 9	7 11	2 15	2 7
T 16	20 24	6 30	1 22	11 1	2 15	19 36	1 21	2 0	4 10	8 25	1 24	4 10	2 17	0 18	0 41	6 47	1 48	25 13	11 28	1 43	1 10	7 13	2 17	2 7
F 17	20 12	2 44	0 17	10 38	2 28	19 18	1 22	1 52	4 12	8 26	1 25	4 8	2 17	0 17	0 41	6 47	1 48	25 12	11 28	1 43	1 11	7 15	2 19	2 6
S 18	19 59	1n 4	0s47	10 16	2 40	18 58	1 23	1 45	4 14	8 28	1 25	4 6	2 16	0 17	0 41	6 47	1 48	25 12	11 27	1 43	1 12	7 16	2 21	2 6
S 19	19 47	4 47	1 49	9 56	2 52	18 38	1 24	1 37	4 15	8 30	1 25	4 4	2 16	0 16	0 41	6 47	1 48	25 11	11 27	1 43	1 14	7 18	2 23	2 5
M20	19 33	8 17	2 46	9 38	3 4	18 18	1 24	1 30	4 17	8 32	1 26	4 1	2 16	0 15	0 41	6 47	1 48	25 10	11 27	1 42	1 15	7 20	2 25	2 5
T 21	19 20	11 28	3 36	9 21	3 16	17 57	1 25	1 23	4 18	8 34	1 26	3 59	2 16	0 14	0 41	6 47	1 48	25 10	11 27	1 43	1 16	7 22	2 27	2 4
W22	19 6	14 12	4 17	9 6	3 28	17 36	1 25	1 16	4 20	8 36	1 26	3 57	2 16	0 13	0 41	6 47	1 48	25 9	11 27	1 43	1 17	7 23	2 29	2 4
T 23	18 52	16 22	4 47	8 54	3 39	17 14	1 26	1 10	4 22	8 38	1 26	3 54	2 16	0 12	0 41	6 47	1 48	25 8	11 27	1 45	1 19	7 25	2 31	2 3
F 24	18 38	17 49	5 4	8 43	3 49	16 51	1 26	1 3	4 23	8 41	1 27	3 52	2 16	0 11	0 41	6 47	1 49	25 8	11 27	1 47	1 20	7 27	2 33	2 3
S 25	18 23	18 25	5 7	8 36	3 59	16 28	1 27	0 57	4 25	8 43	1 27	3 50	2 15	0 9	0 41	6 47	1 49	25 7	11 27	1 50	1 21	7 28	2 35	2 3
S 26	18 8	18 4	4 55	8 30	4 8	16 5	1 27	0 51	4 26	8 45	1 27	3 47	2 15	0 8	0 41	6 46	1 49	25 6	11 27	1 53	1 22	7 30	2 37	2 2
M27	17 53	16 43	4 25	8 27	4 17	15 41	1 27	0 46	4 28	8 48	1 27	3 45	2 15	0 7	0 41	6 46	1 49	25 6	11 27	1 56	1 24	7 32	2 40	2 2
T 28	17 37	14 22	3 40	8 27	4 24	15 17	1 27	0 40	4 29	8 50	1 28	3 42	2 15	0 6	0 41	6 46	1 49	25 5	11 27	1 58	1 25	7 33	2 42	2 1
W29	17 21	11 9	2 41	8 30	4 30	14 53	1 27	0 35	4 30	8 52	1 28	3 40	2 15	0 5	0 41	6 46	1 49	25 4	11 27	2 1	1 26	7 35	2 44	2 1
T 30	17 5	7 15	1 31	8 36	4 35	14 28	1 27	0 30	4 32	8 55	1 28	3 37	2 15	0 4	0 41	6 46	1 49	25 4	11 27	2 2	1 28	7 37	2 46	2 0
F 31	16n48	2n54	0s15	8n45	4s39	14n 2	1n27	0s25	4s33	8s58	1s28	3n35	2n15	0n 3	0n41	6n46	1s49	25n 3	11n27	2n 2	1n29	7n39	2s49	2s 0

Julian Day Number = 2165017.5, Delta T = 12m50s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'04, Lahiri = 12°55'04 Julian Calendar 1 July 1215 == Greg. Calendar 8 July 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

AUGUST 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 53	14♌34'43	6♎30	24°R39	27♌55	9♈42	10°R34	26♍17	1♎30	21°R34	21♌58	24♍54	26♍14	25♈54	2♎34	S 1
S 2	21 7 49	15°32'29	20°50	23♌54	29° 9	9°55	10♓27	26°23	1°33	21♈33	22° 0	24°55	26°11	26° 1	2°41	S 2
M 3	21 11 46	16°30'16	5♏ 5	23° 6	0♍23	10° 8	10°21	26°30	1°36	21°33	22° 2	24°56	26° 8	26° 8	2°48	M 3
T 4	21 15 42	17°28'05	19°15	22°14	1°37	10°21	10°14	26°36	1°38	21°32	22° 4	24°R57	26° 5	26°14	2°55	T 4
W 5	21 19 39	18°25'55	3♐16	21°21	2°51	10°32	10° 7	26°42	1°41	21°32	22° 6	24°56	26° 2	26°21	3° 2	W 5
T 6	21 23 35	19°23'46	17° 9	20°27	4° 5	10°43	10° 0	26°48	1°44	21°31	22° 8	24°53	25°58	26°28	3° 9	T 6
F 7	21 27 32	20°21'38	0♑51	19°34	5°19	10°53	9°53	26°55	1°48	21°31	22°10	24°49	25°55	26°34	3°16	F 7
S 8	21 31 29	21°19'32	14°21	18°41	6°33	11° 2	9°46	27° 1	1°51	21°30	22°12	24°45	25°52	26°41	3°24	S 8
S 9	21 35 25	22°17'27	27°39	17°52	7°47	11°11	9°39	27° 8	1°54	21°29	22°14	24°39	25°49	26°48	3°31	S 9
M10	21 39 22	23°15'24	10♒42	17° 6	9° 1	11°19	9°32	27°14	1°57	21°29	22°16	24°34	25°46	26°54	3°38	M10
T 11	21 43 18	24°13'22	23°30	16°24	10°15	11°25	9°24	27°21	2° 0	21°28	22°18	24°30	25°43	27° 1	3°46	T 11
W12	21 47 15	25°11'22	6♓ 4	15°48	11°29	11°32	9°17	27°27	2° 3	21°27	22°20	24°27	25°39	27° 8	3°53	W12
T 13	21 51 11	26° 9'23	18°24	15°19	12°43	11°37	9° 9	27°34	2° 6	21°26	22°22	24°26	25°36	27°14	4° 1	T 13
F 14	21 55 8	27° 7'26	0♈32	14°57	13°57	11°41	9° 2	27°40	2°10	21°26	22°24	24°D26	25°33	27°21	4° 8	F 14
S 15	21 59 4	28° 5'32	12°30	14°43	15°11	11°45	8°54	27°47	2°13	21°25	22°26	24°27	25°30	27°28	4°16	S 15
S 16	22 3 1	29° 3'39	24°21	14°D37	16°25	11°48	8°46	27°54	2°16	21°24	22°28	24°29	25°27	27°34	4°23	S 16
M17	22 6 58	0♍ 1'48	6♉10	14°39	17°39	11°49	8°38	28° 0	2°19	21°23	22°30	24°30	25°24	27°41	4°31	M17
T 18	22 10 54	0°59'59	18° 1	14°50	18°53	11°50	8°31	28° 7	2°23	21°22	22°32	24°32	25°20	27°48	4°39	T 18
W19	22 14 51	1°58'12	29°59	15°10	20° 8	11°R51	8°23	28°14	2°26	21°21	22°34	24°R32	25°17	27°54	4°47	W19
T 20	22 18 47	2°56'27	12♊ 8	15°39	21°22	11°50	8°15	28°21	2°30	21°20	22°36	24°32	25°14	28° 1	4°55	T 20
F 21	22 22 44	3°54'44	24°34	16°16	22°36	11°48	8° 7	28°28	2°33	21°19	22°38	24°31	25°11	28° 8	5° 2	F 21
S 22	22 26 40	4°53'04	7♋20	17° 1	23°50	11°46	7°59	28°35	2°36	21°18	22°40	24°29	25° 8	28°14	5°10	S 22
S 23	22 30 37	5°51'25	20°28	17°54	25° 4	11°42	7°51	28°42	2°40	21°17	22°42	24°26	25° 4	28°21	5°18	S 23
M24	22 34 33	6°49'49	4♌ 1	18°55	26°18	11°38	7°43	28°48	2°43	21°16	22°44	24°24	25° 1	28°28	5°26	M24
T 25	22 38 30	7°48'14	17°58	20° 2	27°32	11°33	7°35	28°55	2°47	21°15	22°46	24°22	24°58	28°34	5°34	T 25
W26	22 42 27	8°46'42	2♍16	21°16	28°46	11°27	7°27	29° 3	2°50	21°14	22°48	24°20	24°55	28°41	5°42	W26
T 27	22 46 23	9°45'11	16°50	22°36	29°59	11°20	7°19	29°10	2°54	21°13	22°50	24°19	24°52	28°48	5°51	T 27
F 28	22 50 20	10°43'43	1♎34	24° 2	1♎14	11°12	7°11	29°17	2°57	21°12	22°51	24°D19	24°49	28°54	5°59	F 28
S 29	22 54 16	11°42'16	16°21	25°32	2°28	11° 4	7° 3	29°24	3° 1	21°10	22°53	24°20	24°45	29° 1	6° 7	S 29
S 30	22 58 13	12°40'51	1♏ 4	27° 6	3°42	10°54	6°55	29°31	3° 5	21° 9	22°55	24°21	24°42	29° 8	6°15	S 30
M31	23 2 9	13♍39'28	15♏37	28♌44	4♎56	10♈44	6♓47	29♍38	3♎ 8	21♈ 8	22♌57	24♍22	24♍39	29♈14	6♎23	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n32	1s38	1n 3	8n57	4s41	13n37	1n27	0s21	4s34	9s 0	1s28	3n32	2n15	0n 2	0n41	6n45	1s49	25n 2	11n27	2n 2	1n30	7n40	2s51	1s59
S 2	16 15	6 3	2 16	9 11	4 41	13 11	1 27	0 17	4 36	9 3	1 29	3 30	2 14	0 0	0 41	6 45	1 49	25 2	11 27	2 2	1 31	7 42	2 53	1 59
M 3	15 57	10 6	3 21	9 28	4 40	12 44	1 27	0 13	4 37	9 5	1 29	3 27	2 14	0s 1	0 41	6 45	1 49	25 1	11 27	2 1	1 33	7 44	2 56	1 59
T 4	15 40	13 33	4 13	9 48	4 36	12 17	1 26	0 9	4 38	9 8	1 29	3 25	2 14	0 2	0 41	6 45	1 49	25 0	11 27	2 1	1 34	7 45	2 58	1 58
W 5	15 22	16 9	4 50	10 10	4 31	11 50	1 26	0 6	4 39	9 11	1 29	3 22	2 14	0 3	0 41	6 44	1 49	25 0	11 27	2 1	1 35	7 47	3 1	1 58
T 6	15 4	17 47	5 9	10 34	4 24	11 23	1 26	0 2	4 40	9 14	1 29	3 19	2 14	0 4	0 41	6 44	1 49	24 59	11 28	2 2	1 36	7 49	3 3	1 57
F 7	14 46	18 22	5 10	10 59	4 15	10 55	1 25	0n 1	4 42	9 17	1 30	3 17	2 14	0 6	0 41	6 44	1 49	24 59	11 28	2 4	1 38	7 50	3 5	1 57
S 8	14 27	17 54	4 54	11 25	4 4	10 27	1 24	0 3	4 43	9 19	1 30	3 14	2 14	0 7	0 41	6 44	1 49	24 58	11 28	2 6	1 39	7 52	3 8	1 56
S 9	14 8	16 26	4 22	11 52	3 51	9 59	1 24	0 6	4 44	9 22	1 30	3 11	2 14	0 8	0 41	6 43	1 49	24 57	11 28	2 8	1 40	7 54	3 11	1 56
M10	13 49	14 9	3 37	12 20	3 37	9 30	1 23	0 8	4 44	9 25	1 30	3 9	2 14	0 9	0 41	6 43	1 50	24 57	11 28	2 10	1 41	7 56	3 13	1 56
T 11	13 30	11 12	2 41	12 47	3 22	9 1	1 22	0 10	4 45	9 28	1 30	3 6	2 14	0 11	0 41	6 43	1 50	24 56	11 28	2 12	1 43	7 57	3 16	1 55
W12	13 11	7 47	1 39	13 13	3 5	8 32	1 21	0 11	4 46	9 31	1 30	3 3	2 13	0 12	0 41	6 42	1 50	24 55	11 28	2 13	1 44	7 59	3 18	1 55
T 13	12 51	4 6	0 33	13 38	2 48	8 3	1 20	0 13	4 47	9 34	1 31	3 1	2 13	0 13	0 41	6 42	1 50	24 55	11 28	2 13	1 45	8 1	3 21	1 54
F 14	12 31	0 18	0s33	14 2	2 30	7 34	1 19	0 14	4 48	9 37	1 31	2 58	2 13	0 15	0 40	6 42	1 50	24 54	11 28	2 13	1 47	8 2	3 24	1 54
S 15	12 11	3n27	1 38	14 24	2 11	7 4	1 18	0 15	4 48	9 40	1 31	2 55	2 13	0 16	0 40	6 41	1 50	24 54	11 28	2 13	1 48	8 4	3 26	1 54
S 16	11 51	7 2	2 37	14 44	1 52	6 34	1 17	0 15	4 49	9 43	1 31	2 53	2 13	0 17	0 40	6 41	1 50	24 53	11 28	2 12	1 49	8 6	3 29	1 53
M17	11 30	10 20	3 30	15 1	1 33	6 4	1 16	0 15	4 49	9 46	1 31	2 50	2 13	0 19	0 40	6 40	1 50	24 53	11 28	2 11	1 50	8 7	3 32	1 53
T 18	11 10	13 12	4 14	15 15	1 15	5 34	1 15	0 16	4 50	9 49	1 31	2 47	2 13	0 20	0 40	6 40	1 50	24 52	11 29	2 11	1 52	8 9	3 34	1 52
W19	10 49	15 33	4 47	15 27	0 57	5 3	1 14	0 15	4 50	9 52	1 31	2 44	2 13	0 21	0 40	6 40	1 50	24 51	11 29	2 11	1 53	8 11	3 37	1 52
T 20	10 28	17 15	5 8	15 35	0 39	4 33	1 12	0 15	4 50	9 55	1 31	2 41	2 13	0 23	0 40	6 39	1 50	24 51	11 29	2 11	1 54	8 12	3 40	1 52
F 21	10 7	18 10	5 16	15 40	0 22	4 2	1 11	0 14	4 50	9 59	1 32	2 39	2 13	0 24	0 40	6 39	1 50	24 50	11 29	2 11	1 55	8 14	3 43	1 51
S 22	9 46	18 13	5 8	15 42	0 6	3 31	1 9	0 13	4 50	10 2	1 32	2 36	2 13	0 25	0 40	6 38	1 50	24 50	11 29	2 12	1 57	8 16	3 46	1 51
S 23	9 24	17 18	4 44	15 40	0n 9	3 0	1 8	0 12	4 50	10 5	1 32	2 33	2 13	0 27	0 40	6 38	1 50	24 49	11 29	2 13	1 58	8 17	3 48	1 51
M24	9 2	15 23	4 4	15 35	0 23	2 29	1 6	0 10	4 50	10 8	1 32	2 30	2 13	0 28	0 40	6 38	1 50	24 49	11 29	2 14	1 59	8 19	3 51	1 50
T 25	8 41	12 32	3 8	15 26	0 37	1 58	1 4	0 8	4 50	10 11	1 32	2 27	2 13	0 30	0 40	6 37	1 50	24 48	11 30	2 15	2 0	8 21	3 54	1 50
W26	8 19	8 51	1 59	15 14	0 49	1 27	1 3	0 6	4 50	10 14	1 32	2 24	2 13	0 31	0 40	6 37	1 50	24 48	11 30	2 16	2 2	8 22	3 57	1 49
T 27	7 57	4 35	0 41	14 59	1 0	0 56	1 1	0 4	4 49	10 17	1 32	2 22	2 12	0 33	0 40	6 36	1 50	24 47	11 30	2 16	2 3	8 24	4 0	1 49
F 28	7 34	0s 1	0n40	14 40	1 10	0 25	0 59	0 1	4 49	10 20	1 32	2 19	2 12	0 34	0 40	6 36	1 50	24 47	11 30	2 16	2 4	8 26	4 3	1 49
S 29	7 12	4 37	1 59	14 18	1 18	0s 7	0 57	0s 1	4 48	10 23	1 32	2 16	2 12	0 35	0 40	6 35	1 50	24 46	11 30	2 16	2 6	8 27	4 6	1 48
S 30	6 50	8 55	3 10	13 53	1 26	0 38	0 55	0 4	4 47	10 26	1 32	2 13	2 12	0 37	0 40	6 35	1 51	24 46	11 30	2 15	2 7	8 29	4 9	1 48
M31	6n27	12s38	4n 8	13n25	1n33	1s 9	0n53	0s 7	4s46	10s29	1s32	2n10	2n12	0s38	0n40	6n34	1s51	24n45	11n31	2n15	2n 8	8n31	4s12	1s48

Julian Day Number = 2165048.5, Delta T = 12m50s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'08, Lahiri = 12°55'08 Julian Calendar 1 Aug. 1215 == Greg. Calendar 8 Aug. 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

SEPTEMBER 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 6	14♍38'06	29♏57	0♍24	6♎10	10°R33	6°R39	29♍45	3♎12	21°R 7	22♌59	24♍22	24♍36	29♈21	6♎32	T 1
W 2	23 10 2	15°36'46	14♐ 0	2° 7	7°24	10♈21	6♓32	29°52	3°15	21♈ 5	23° 1	24°R23	24°33	29°28	6°40	W 2
T 3	23 13 59	16°35'28	27°46	3°53	8°38	10° 9	6°24	29°59	3°19	21° 4	23° 3	24°22	24°29	29°34	6°48	T 3
F 4	23 17 55	17°34'12	11♑14	5°39	9°52	9°56	6°16	0♎ 7	3°23	21° 3	23° 5	24°22	24°26	29°41	6°57	F 4
S 5	23 21 52	18°32'57	24°25	7°27	11° 6	9°42	6° 9	0°14	3°26	21° 1	23° 7	24°21	24°23	29°48	7° 5	S 5
S 6	23 25 49	19°31'44	7♒21	9°16	12°20	9°28	6° 1	0°21	3°30	21° 0	23° 8	24°21	24°20	29°54	7°13	S 6
M 7	23 29 45	20°30'33	20° 3	11° 6	13°34	9°13	5°54	0°28	3°34	20°59	23°10	24°20	24°17	0♉ 1	7°22	M 7
T 8	23 33 42	21°29'24	2♓32	12°55	14°48	8°57	5°46	0°36	3°38	20°57	23°12	24°20	24°14	0° 8	7°30	T 8
W 9	23 37 38	22°28'16	14°49	14°45	16° 2	8°41	5°39	0°43	3°41	20°56	23°14	24°20	24°10	0°14	7°39	W 9
T 10	23 41 35	23°27'11	26°57	16°35	17°15	8°25	5°32	0°50	3°45	20°54	23°16	24°D20	24° 7	0°21	7°47	T 10
F 11	23 45 31	24°26'08	8♈56	18°24	18°29	8° 8	5°24	0°57	3°49	20°53	23°17	24°R20	24° 4	0°28	7°56	F 11
S 12	23 49 28	25°25'07	20°50	20°14	19°43	7°50	5°17	1° 5	3°53	20°51	23°19	24°20	24° 1	0°34	8° 4	S 12
S 13	23 53 24	26°24'08	2♉40	22° 2	20°57	7°32	5°10	1°12	3°56	20°50	23°21	24°19	23°58	0°41	8°13	S 13
M14	23 57 21	27°23'11	14°29	23°50	22°11	7°14	5° 4	1°19	4° 0	20°48	23°23	24°19	23°55	0°48	8°21	M14
T 15	0 1 18	28°22'17	26°20	25°38	23°25	6°56	4°57	1°27	4° 4	20°47	23°24	24°19	23°51	0°55	8°30	T 15
W16	0 5 14	29°21'25	8♊17	27°24	24°39	6°37	4°50	1°34	4° 8	20°45	23°26	24°18	23°48	1° 1	8°39	W16
T 17	0 9 11	0♋20'35	20°25	29°11	25°53	6°18	4°44	1°41	4°11	20°44	23°28	24°18	23°45	1° 8	8°47	T 17
F 18	0 13 7	1°19'47	2♌47	0♎56	27° 6	5°59	4°38	1°49	4°15	20°42	23°29	24°D18	23°42	1°15	8°56	F 18
S 19	0 17 4	2°19'03	15°28	2°41	28°20	5°40	4°31	1°56	4°19	20°41	23°31	24°18	23°39	1°21	9° 4	S 19
S 20	0 21 0	3°18'20	28°32	4°24	29°34	5°21	4°25	2° 3	4°23	20°39	23°33	24°18	23°35	1°28	9°13	S 20
M21	0 24 57	4°17'40	12♎ 1	6° 7	0♏48	5° 2	4°19	2°11	4°26	20°38	23°34	24°19	23°32	1°35	9°22	M21
T 22	0 28 53	5°17'02	25°57	7°50	2° 2	4°43	4°14	2°18	4°30	20°36	23°36	24°20	23°29	1°41	9°30	T 22
W23	0 32 50	6°16'26	10♍19	9°31	3°15	4°24	4° 8	2°25	4°34	20°34	23°38	24°21	23°26	1°48	9°39	W23
T 24	0 36 46	7°15'52	25° 4	11°12	4°29	4° 6	4° 2	2°33	4°38	20°33	23°39	24°R21	23°23	1°55	9°48	T 24
F 25	0 40 43	8°15'21	10♎ 4	12°52	5°43	3°47	3°57	2°40	4°42	20°31	23°41	24°21	23°20	2° 1	9°56	F 25
S 26	0 44 40	9°14'51	25°12	14°32	6°57	3°29	3°52	2°47	4°45	20°29	23°42	24°20	23°16	2° 8	10° 5	S 26
S 27	0 48 36	10°14'24	10♏18	16°10	8°10	3°11	3°47	2°55	4°49	20°28	23°44	24°18	23°13	2°15	10°14	S 27
M28	0 52 33	11°13'59	25°13	17°48	9°24	2°54	3°42	3° 2	4°53	20°26	23°45	24°16	23°10	2°21	10°22	M28
T 29	0 56 29	12°13'35	9♐51	19°26	10°38	2°37	3°37	3° 9	4°57	20°24	23°47	24°14	23° 7	2°28	10°31	T 29
W30	1 0 26	13♎13'14	24♐ 5	21♎ 2	11♏52	2♈20	3♓33	3♎16	5♎ 0	20♈23	23♌48	24♍12	23♍ 4	2♉35	10♎40	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 4	15s31	4n49	12n54	1n38	1s40	0n51	0s11	4s45	10s32	1s32	2n 7	2n12	0s40	0n40	6n34	1s51	24n45	11n31	2n15	2n 9	8n32	4s15	1s47
W 2	5 42	17 24	5 12	12 21	1 43	2 12	0 49	0 14	4 44	10 35	1 32	2 4	2 12	0 41	0 40	6 33	1 51	24 44	11 31	2 15	2 11	8 34	4 18	1 47
T 3	5 19	18 14	5 17	11 46	1 46	2 43	0 47	0 18	4 43	10 38	1 32	2 1	2 12	0 43	0 40	6 33	1 51	24 44	11 31	2 15	2 12	8 36	4 21	1 47
F 4	4 56	18 1	5 4	11 9	1 49	3 14	0 45	0 22	4 41	10 40	1 32	1 59	2 12	0 44	0 40	6 32	1 51	24 43	11 31	2 15	2 13	8 37	4 24	1 46
S 5	4 33	16 49	4 35	10 31	1 50	3 45	0 43	0 26	4 40	10 43	1 32	1 56	2 12	0 46	0 40	6 32	1 51	24 43	11 32	2 15	2 14	8 39	4 27	1 46
S 6	4 10	14 46	3 52	9 50	1 51	4 16	0 40	0 30	4 38	10 46	1 32	1 53	2 12	0 47	0 40	6 31	1 51	24 42	11 32	2 15	2 16	8 41	4 30	1 46
M 7	3 47	12 2	2 59	9 9	1 51	4 47	0 38	0 34	4 36	10 49	1 32	1 50	2 12	0 49	0 40	6 30	1 51	24 42	11 32	2 16	2 17	8 42	4 33	1 45
T 8	3 23	8 47	1 58	8 26	1 51	5 18	0 36	0 38	4 34	10 52	1 32	1 47	2 12	0 50	0 40	6 30	1 51	24 42	11 32	2 16	2 18	8 44	4 36	1 45
W 9	3 0	5 12	0 53	7 43	1 49	5 49	0 33	0 43	4 32	10 54	1 32	1 44	2 12	0 52	0 40	6 29	1 51	24 41	11 32	2 16	2 19	8 46	4 39	1 45
T 10	2 37	1 26	0s15	6 58	1 48	6 20	0 31	0 47	4 30	10 57	1 32	1 41	2 12	0 53	0 40	6 29	1 51	24 41	11 33	2 16	2 21	8 47	4 42	1 44
F 11	2 13	2n20	1 20	6 13	1 45	6 50	0 28	0 52	4 28	10 59	1 32	1 38	2 12	0 55	0 40	6 28	1 51	24 40	11 33	2 16	2 22	8 49	4 45	1 44
S 12	1 50	5 58	2 22	5 27	1 42	7 21	0 26	0 56	4 25	11 2	1 32	1 35	2 12	0 56	0 40	6 28	1 51	24 40	11 33	2 16	2 23	8 51	4 48	1 44
S 13	1 26	9 21	3 17	4 41	1 39	7 51	0 23	1 1	4 23	11 4	1 32	1 32	2 12	0 58	0 40	6 27	1 51	24 40	11 33	2 16	2 24	8 52	4 51	1 43
M14	1 3	12 22	4 4	3 55	1 35	8 21	0 21	1 6	4 20	11 7	1 32	1 29	2 12	0 59	0 40	6 26	1 51	24 39	11 34	2 16	2 26	8 54	4 54	1 43
T 15	0 39	14 52	4 41	3 8	1 31	8 51	0 18	1 10	4 17	11 9	1 32	1 27	2 12	1 1	0 40	6 26	1 51	24 39	11 34	2 16	2 27	8 56	4 57	1 43
W16	0 15	16 45	5 5	2 21	1 26	9 21	0 15	1 15	4 14	11 12	1 32	1 24	2 12	1 2	0 40	6 25	1 51	24 39	11 34	2 16	2 28	8 57	5 1	1 43
T 17	0s 8	17 55	5 17	1 35	1 22	9 50	0 13	1 20	4 11	11 14	1 31	1 21	2 12	1 4	0 40	6 25	1 51	24 38	11 34	2 16	2 30	8 59	5 4	1 42
F 18	0 32	18 17	5 14	0 48	1 17	10 20	0 10	1 24	4 8	11 16	1 31	1 18	2 12	1 5	0 40	6 24	1 51	24 38	11 35	2 17	2 31	9 1	5 7	1 42
S 19	0 56	17 44	4 56	0 1	1 11	10 49	0 7	1 29	4 5	11 18	1 31	1 15	2 12	1 7	0 40	6 23	1 51	24 38	11 35	2 16	2 32	9 2	5 10	1 42
S 20	1 19	16 15	4 23	0s45	1 6	11 18	0 5	1 33	4 1	11 21	1 31	1 12	2 12	1 8	0 40	6 23	1 51	24 37	11 35	2 16	2 33	9 4	5 13	1 41
M21	1 43	13 50	3 34	1 32	1 0	11 46	0 2	1 38	3 58	11 23	1 31	1 9	2 12	1 10	0 40	6 22	1 51	24 37	11 36	2 16	2 35	9 5	5 16	1 41
T 22	2 6	10 33	2 31	2 18	0 54	12 15	0s 1	1 42	3 54	11 25	1 31	1 6	2 12	1 11	0 40	6 22	1 51	24 37	11 36	2 16	2 36	9 7	5 20	1 41
W23	2 30	6 32	1 17	3 4	0 48	12 43	0 4	1 46	3 51	11 27	1 31	1 3	2 12	1 13	0 40	6 21	1 51	24 36	11 36	2 15	2 37	9 9	5 23	1 41
T 24	2 54	2 2	0n 4	3 49	0 41	13 10	0 7	1 50	3 47	11 28	1 31	1 0	2 12	1 14	0 40	6 20	1 51	24 36	11 36	2 15	2 38	9 10	5 26	1 40
F 25	3 17	2s41	1 26	4 34	0 35	13 38	0 9	1 54	3 43	11 30	1 30	0 58	2 12	1 16	0 40	6 20	1 51	24 36	11 37	2 15	2 40	9 12	5 29	1 40
S 26	3 41	7 16	2 43	5 19	0 28	14 5	0 12	1 57	3 39	11 32	1 30	0 55	2 13	1 17	0 40	6 19	1 51	24 36	11 37	2 16	2 41	9 14	5 32	1 40
S 27	4 4	11 22	3 48	6 3	0 22	14 32	0 15	2 1	3 35	11 34	1 30	0 52	2 13	1 19	0 40	6 18	1 51	24 35	11 37	2 16	2 42	9 15	5 35	1 39
M28	4 28	14 40	4 37	6 47	0 15	14 58	0 18	2 4	3 31	11 35	1 30	0 49	2 13	1 20	0 40	6 18	1 51	24 35	11 38	2 17	2 43	9 17	5 39	1 39
T 29	4 51	16 58	5 6	7 30	0 8	15 24	0 21	2 7	3 27	11 37	1 30	0 46	2 13	1 22	0 40	6 17	1 51	24 35	11 38	2 18	2 45	9 19	5 42	1 39
W30	5s14	18s 9	5n16	8s13	0n 1	15s50	0s24	2s10	3s22	11s38	1s30	0n43	2n13	1s23	0n40	6n17	1s51	24n35	11n38	2n19	2n46	9n20	5s45	1s39

Julian Day Number = 2165079.5, Delta T = 12m50s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'12, Lahiri = 12°55'13 Julian Calendar 1 Sept. 1215 == Greg. Calendar 8 Sept. 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

OCTOBER 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 22	14♎12'54	7♉55	22♎38	13♏ 5	2°R 4	3°R29	3♎24	5♎ 4	20°R21	23♌49	24°D11	23♍ 0	2♉41	10♎48	T 1
F 2	1 8 19	15°12'35	21°20	24°14	14°19	1♈48	3♓25	3°31	5° 8	20♈19	23°51	24♍11	22°57	2°48	10°57	F 2
S 3	1 12 15	16°12'19	4♒23	25°49	15°33	1°33	3°21	3°38	5°12	20°18	23°52	24°12	22°54	2°55	11° 6	S 3
S 4	1 16 12	17°12'04	17° 6	27°23	16°46	1°19	3°17	3°45	5°15	20°16	23°54	24°13	22°51	3° 1	11°14	S 4
M 5	1 20 9	18°11'51	29°32	28°57	18° 0	1° 5	3°13	3°53	5°19	20°14	23°55	24°15	22°48	3° 8	11°23	M 5
T 6	1 24 5	19°11'40	11♓46	0♏30	19°14	0°52	3°10	4° 0	5°23	20°13	23°56	24°16	22°45	3°15	11°31	T 6
W 7	1 28 2	20°11'30	23°50	2° 2	20°27	0°40	3° 7	4° 7	5°26	20°11	23°57	24°R17	22°41	3°21	11°40	W 7
T 8	1 31 58	21°11'22	5♈47	3°34	21°41	0°28	3° 4	4°14	5°30	20° 9	23°59	24°16	22°38	3°28	11°49	T 8
F 9	1 35 55	22°11'17	17°40	5° 6	22°54	0°17	3° 1	4°21	5°34	20° 8	24° 0	24°14	22°35	3°35	11°57	F 9
S 10	1 39 51	23°11'13	29°30	6°37	24° 8	0° 7	2°58	4°28	5°37	20° 6	24° 1	24°11	22°32	3°41	12° 6	S 10
S 11	1 43 48	24°11'11	11♉20	8° 7	25°21	29♓57	2°56	4°35	5°41	20° 4	24° 2	24° 6	22°29	3°48	12°14	S 11
M12	1 47 44	25°11'11	23°11	9°37	26°35	29°48	2°54	4°42	5°45	20° 3	24° 4	24° 1	22°26	3°55	12°23	M12
T 13	1 51 41	26°11'14	5♊ 6	11° 7	27°48	29°40	2°52	4°49	5°48	20° 1	24° 5	23°55	22°22	4° 1	12°31	T 13
W14	1 55 38	27°11'18	17° 6	12°36	29° 2	29°33	2°50	4°56	5°52	19°59	24° 6	23°49	22°19	4° 8	12°40	W14
T 15	1 59 34	28°11'24	29°15	14° 4	0♗15	29°27	2°49	5° 3	5°56	19°58	24° 7	23°44	22°16	4°15	12°48	T 15
F 16	2 3 31	29°11'33	11♋36	15°32	1°29	29°21	2°47	5°10	5°59	19°56	24° 8	23°41	22°13	4°21	12°57	F 16
S 17	2 7 27	0♏11'44	24°13	16°59	2°42	29°16	2°46	5°17	6° 3	19°54	24° 9	23°40	22°10	4°28	13° 5	S 17
S 18	2 11 24	1°11'57	7♌ 9	18°26	3°55	29°12	2°45	5°24	6° 6	19°53	24°10	23°D40	22° 6	4°35	13°14	S 18
M19	2 15 20	2°12'12	20°29	19°52	5° 9	29° 9	2°44	5°31	6°10	19°51	24°11	23°41	22° 3	4°42	13°22	M19
T 20	2 19 17	3°12'28	4♍14	21°17	6°22	29° 6	2°44	5°38	6°13	19°49	24°12	23°42	22° 0	4°48	13°31	T 20
W21	2 23 13	4°12'47	18°26	22°42	7°36	29° 5	2°43	5°44	6°17	19°48	24°13	23°R43	21°57	4°55	13°39	W21
T 22	2 27 10	5°13'08	3♎ 4	24° 6	8°49	29° 4	2°D43	5°51	6°20	19°46	24°14	23°43	21°54	5° 2	13°47	T 22
F 23	2 31 6	6°13'31	18° 4	25°29	10° 2	29°D 4	2°43	5°58	6°23	19°45	24°14	23°41	21°51	5° 8	13°55	F 23
S 24	2 35 3	7°13'56	3♏18	26°52	11°15	29° 5	2°43	6° 4	6°27	19°43	24°15	23°37	21°47	5°15	14° 4	S 24
S 25	2 39 0	8°14'23	18°36	28°13	12°29	29° 6	2°44	6°11	6°30	19°41	24°16	23°31	21°44	5°22	14°12	S 25
M26	2 42 56	9°14'51	3♐47	29°33	13°42	29° 9	2°44	6°17	6°34	19°40	24°17	23°23	21°41	5°28	14°20	M26
T 27	2 46 53	10°15'20	18°41	0♐52	14°55	29°12	2°45	6°24	6°37	19°38	24°18	23°16	21°38	5°35	14°28	T 27
W28	2 50 49	11°15'52	3♑10	2°10	16° 8	29°16	2°46	6°30	6°40	19°37	24°18	23°10	21°35	5°42	14°36	W28
T 29	2 54 46	12°16'24	17°11	3°26	17°21	29°20	2°48	6°37	6°43	19°35	24°19	23° 5	21°32	5°48	14°44	T 29
F 30	2 58 42	13°16'58	0♒42	4°40	18°35	29°26	2°49	6°43	6°47	19°34	24°20	23° 2	21°28	5°55	14°52	F 30
S 31	3 2 39	14♏17'33	13♒46	5♐53	19♐48	29♓32	2♓51	6♎50	6♎50	19♈32	24♌20	23°D 1	21♍25	6♉ 2	15♎ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s38	18s12	5n 7	8s56	0s 5	16s15	0s27	2s12	3s18	11s40	1s30	0n40	2n13	1s25	0n40	6n16	1s51	24n35	11n39	2n19	2n47	9n22	5s48	1s38
F 2	6 1	17 12	4 41	9 37	0 12	16 40	0 30	2 14	3 14	11 41	1 29	0 38	2 13	1 26	0 40	6 15	1 51	24 35	11 39	2 19	2 48	9 23	5 51	1 38
S 3	6 24	15 20	4 2	10 18	0 19	17 5	0 32	2 16	3 9	11 42	1 29	0 35	2 13	1 28	0 40	6 15	1 51	24 34	11 39	2 19	2 50	9 25	5 54	1 38
S 4	6 47	12 45	3 11	10 59	0 26	17 29	0 35	2 18	3 5	11 44	1 29	0 32	2 13	1 29	0 40	6 14	1 51	24 34	11 40	2 18	2 51	9 27	5 58	1 38
M 5	7 10	9 37	2 12	11 39	0 33	17 53	0 38	2 20	3 1	11 45	1 29	0 29	2 13	1 31	0 40	6 13	1 51	24 34	11 40	2 18	2 52	9 28	6 1	1 37
T 6	7 33	6 7	1 8	12 18	0 39	18 16	0 41	2 21	2 56	11 46	1 29	0 26	2 13	1 32	0 40	6 13	1 51	24 34	11 40	2 17	2 53	9 30	6 4	1 37
W 7	7 55	2 25	0 2	12 57	0 46	18 39	0 44	2 22	2 52	11 47	1 28	0 24	2 13	1 34	0 40	6 12	1 51	24 34	11 41	2 17	2 55	9 32	6 7	1 37
T 8	8 18	1n21	1s 3	13 35	0 53	19 1	0 47	2 22	2 48	11 48	1 28	0 21	2 13	1 35	0 40	6 11	1 51	24 34	11 41	2 17	2 56	9 33	6 10	1 37
F 9	8 40	5 2	2 5	14 12	0 59	19 23	0 50	2 23	2 43	11 48	1 28	0 18	2 13	1 36	0 40	6 11	1 51	24 34	11 42	2 18	2 57	9 35	6 13	1 36
S 10	9 3	8 31	3 1	14 49	1 6	19 44	0 52	2 23	2 39	11 49	1 28	0 15	2 13	1 38	0 40	6 10	1 51	24 34	11 42	2 19	2 59	9 36	6 16	1 36
S 11	9 25	11 39	3 50	15 24	1 12	20 5	0 55	2 23	2 34	11 50	1 28	0 13	2 14	1 39	0 40	6 10	1 51	24 34	11 42	2 21	3 0	9 38	6 20	1 36
M12	9 47	14 19	4 28	15 59	1 18	20 25	0 58	2 22	2 30	11 50	1 27	0 10	2 14	1 41	0 40	6 9	1 51	24 33	11 43	2 23	3 1	9 40	6 23	1 36
T 13	10 9	16 24	4 55	16 34	1 24	20 44	1 1	2 21	2 26	11 51	1 27	0 7	2 14	1 42	0 40	6 8	1 51	24 33	11 43	2 26	3 2	9 41	6 26	1 35
W14	10 31	17 46	5 10	17 7	1 30	21 4	1 4	2 20	2 21	11 51	1 27	0 5	2 14	1 44	0 40	6 8	1 51	24 33	11 43	2 28	3 4	9 43	6 29	1 35
T 15	10 52	18 22	5 10	17 39	1 36	21 22	1 6	2 19	2 17	11 52	1 27	0 2	2 14	1 45	0 40	6 7	1 51	24 33	11 44	2 30	3 5	9 45	6 32	1 35
F 16	11 14	18 6	4 57	18 11	1 42	21 40	1 9	2 17	2 13	11 52	1 27	0s 1	2 14	1 46	0 40	6 6	1 51	24 33	11 44	2 31	3 6	9 46	6 35	1 35
S 17	11 35	16 57	4 29	18 42	1 47	21 57	1 12	2 15	2 9	11 52	1 26	0 3	2 14	1 48	0 40	6 6	1 51	24 33	11 45	2 32	3 7	9 48	6 38	1 34
S 18	11 56	14 54	3 47	19 11	1 53	22 14	1 14	2 13	2 5	11 53	1 26	0 6	2 14	1 49	0 40	6 5	1 51	24 33	11 45	2 32	3 9	9 49	6 41	1 34
M19	12 17	12 1	2 51	19 40	1 58	22 30	1 17	2 11	2 0	11 53	1 26	0 9	2 14	1 51	0 40	6 5	1 51	24 33	11 45	2 31	3 10	9 51	6 44	1 34
T 20	12 38	8 23	1 44	20 8	2 3	22 46	1 19	2 8	1 56	11 53	1 26	0 11	2 15	1 52	0 40	6 4	1 51	24 33	11 46	2 31	3 11	9 53	6 48	1 34
W21	12 59	4 9	0 29	20 35	2 7	23 1	1 22	2 5	1 52	11 53	1 26	0 14	2 15	1 53	0 40	6 3	1 51	24 34	11 46	2 30	3 12	9 54	6 51	1 34
T 22	13 19	0s27	0n51	21 0	2 12	23 15	1 24	2 2	1 48	11 52	1 25	0 16	2 15	1 55	0 40	6 3	1 51	24 34	11 47	2 30	3 14	9 56	6 54	1 33
F 23	13 39	5 8	2 8	21 25	2 16	23 29	1 27	1 58	1 44	11 52	1 25	0 19	2 15	1 56	0 40	6 2	1 51	24 34	11 47	2 31	3 15	9 57	6 57	1 33
S 24	13 59	9 34	3 18	21 48	2 20	23 42	1 29	1 54	1 40	11 52	1 25	0 21	2 15	1 57	0 40	6 2	1 51	24 34	11 47	2 33	3 16	9 59	7 0	1 33
S 25	14 19	13 22	4 13	22 10	2 23	23 54	1 32	1 50	1 37	11 52	1 25	0 24	2 15	1 59	0 40	6 1	1 51	24 34	11 48	2 35	3 17	10 1	7 3	1 33
M26	14 38	16 14	4 51	22 31	2 26	24 5	1 34	1 46	1 33	11 51	1 24	0 26	2 15	2 0	0 40	6 0	1 51	24 34	11 48	2 38	3 19	10 2	7 6	1 33
T 27	14 57	17 57	5 7	22 51	2 29	24 16	1 36	1 41	1 29	11 51	1 24	0 29	2 15	2 1	0 40	6 0	1 51	24 34	11 49	2 41	3 20	10 4	7 9	1 32
W28	15 16	18 27	5 4	23 9	2 31	24 27	1 38	1 36	1 25	11 50	1 24	0 31	2 16	2 3	0 40	5 59	1 51	24 34	11 49	2 44	3 21	10 5	7 12	1 32
T 29	15 35	17 46	4 42	23 26	2 33	24 36	1 40	1 31	1 22	11 49	1 24	0 34	2 16	2 4	0 40	5 59	1 51	24 34	11 49	2 45	3 22	10 7	7 15	1 32
F 30	15 53	16 6	4 4	23 41	2 34	24 45	1 43	1 25	1 18	11 48	1 24	0 36	2 16	2 5	0 40	5 58	1 51	24 35	11 50	2 47	3 24	10 9	7 18	1 32
S 31	16s12	13s38	3n16	23s55	2s35	24s53	1s45	1s20	1s15	11s48	1s23	0s38	2n16	2s 6	0n40	5n58	1s51	24n35	11n50	2n47	3n25	10n10	7s20	1s32

Julian Day Number = 2165109.5, Delta T = 12m50s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'16, Lahiri = 12°55'17 Julian Calendar 1 Oct. 1215 == Greg. Calendar 8 Oct. 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

NOVEMBER 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 6 36	15♏18'09	26♒26	7♐ 3	21♐ 1	29♓39	2♓53	6♎56	6♎53	19°R31	24♌21	23♍ 2	21♍22	6♉ 8	15♎ 8	S 1
M 2	3 10 32	16°18'47	8♓46	8°11	22°14	29°47	2°55	7° 2	6°56	19♈29	24°21	23° 3	21°19	6°15	15°16	M 2
T 3	3 14 29	17°19'25	20°52	9°16	23°27	29°55	2°57	7° 8	6°59	19°28	24°22	23°R 4	21°16	6°22	15°24	T 3
W 4	3 18 25	18°20'05	2♈49	10°18	24°40	0♈ 4	3° 0	7°15	7° 2	19°26	24°22	23° 3	21°12	6°28	15°32	W 4
T 5	3 22 22	19°20'46	14°40	11°16	25°53	0°14	3° 2	7°21	7° 5	19°25	24°23	23° 0	21° 9	6°35	15°40	T 5
F 6	3 26 18	20°21'28	26°29	12°10	27° 5	0°24	3° 5	7°27	7° 8	19°23	24°23	22°55	21° 6	6°42	15°48	F 6
S 7	3 30 15	21°22'12	8♉18	12°59	28°18	0°35	3° 8	7°33	7°11	19°22	24°24	22°47	21° 3	6°48	15°55	S 7
S 8	3 34 11	22°22'57	20°10	13°43	29°31	0°47	3°12	7°39	7°14	19°21	24°24	22°37	21° 0	6°55	16° 3	S 8
M 9	3 38 8	23°23'43	2♊ 7	14°21	0♋44	0°59	3°15	7°44	7°17	19°19	24°25	22°25	20°57	7° 2	16°10	M 9
T 10	3 42 4	24°24'31	14° 9	14°53	1°57	1°12	3°19	7°50	7°20	19°18	24°25	22°13	20°53	7° 9	16°18	T 10
W11	3 46 1	25°25'20	26°18	15°16	3° 9	1°26	3°23	7°56	7°23	19°17	24°25	22° 1	20°50	7°15	16°26	W11
T 12	3 49 58	26°26'10	8♌36	15°32	4°22	1°40	3°27	8° 2	7°26	19°16	24°25	21°51	20°47	7°22	16°33	T 12
F 13	3 53 54	27°27'02	21° 3	15°R38	5°34	1°54	3°31	8° 7	7°29	19°14	24°26	21°42	20°44	7°29	16°40	F 13
S 14	3 57 51	28°27'55	3♌42	15°34	6°47	2°10	3°36	8°13	7°31	19°13	24°26	21°37	20°41	7°35	16°48	S 14
S 15	4 1 47	29°28'49	16°37	15°20	7°59	2°25	3°40	8°18	7°34	19°12	24°26	21°34	20°37	7°42	16°55	S 15
M16	4 5 44	0♐29'45	29°50	14°55	9°12	2°42	3°45	8°24	7°37	19°11	24°26	21°D33	20°34	7°49	17° 2	M16
T 17	4 9 40	1°30'42	13♍24	14°18	10°24	2°58	3°50	8°29	7°39	19°10	24°26	21°34	20°31	7°55	17° 9	T 17
W18	4 13 37	2°31'40	27°21	13°31	11°36	3°16	3°55	8°34	7°42	19° 8	24°26	21°R34	20°28	8° 2	17°16	W18
T 19	4 17 33	3°32'40	11♎43	12°33	12°49	3°33	4° 1	8°40	7°44	19° 7	24°26	21°32	20°25	8° 9	17°23	T 19
F 20	4 21 30	4°33'41	26°26	11°25	14° 1	3°52	4° 6	8°45	7°47	19° 6	24°R26	21°28	20°22	8°15	17°30	F 20
S 21	4 25 27	5°34'43	11♏27	10°11	15°13	4°11	4°12	8°50	7°49	19° 5	24°26	21°21	20°18	8°22	17°37	S 21
S 22	4 29 23	6°35'46	26°37	8°51	16°25	4°30	4°18	8°55	7°52	19° 4	24°26	21°12	20°15	8°29	17°44	S 22
M23	4 33 20	7°36'50	11♐46	7°28	17°37	4°50	4°24	9° 0	7°54	19° 3	24°26	21° 1	20°12	8°35	17°51	M23
T 24	4 37 16	8°37'55	26°43	6° 5	18°49	5°10	4°30	9° 5	7°56	19° 2	24°26	20°49	20° 9	8°42	17°57	T 24
W25	4 41 13	9°39'00	11♑20	4°46	20° 1	5°30	4°36	9° 9	7°59	19° 1	24°26	20°38	20° 6	8°49	18° 4	W25
T 26	4 45 9	10°40'06	25°29	3°31	21°13	5°51	4°43	9°14	8° 1	19° 0	24°26	20°29	20° 3	8°56	18°11	T 26
F 27	4 49 6	11°41'13	9♒ 9	2°25	22°25	6°13	4°50	9°19	8° 3	18°59	24°26	20°23	19°59	9° 2	18°17	F 27
S 28	4 53 3	12°42'20	22°19	1°28	23°37	6°35	4°57	9°23	8° 5	18°59	24°25	20°20	19°56	9° 9	18°23	S 28
S 29	4 56 59	13°43'27	5♓ 3	0°41	24°48	6°57	5° 4	9°28	8° 7	18°58	24°25	20°18	19°53	9°16	18°30	S 29
M30	5 0 56	14♐44'35	17♓25	0♐ 5	26♑ 0	7♈20	5♓11	9♎32	8♎ 9	18♈57	24♌25	20♍18	19♍50	9♉22	18♎36	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s30	10s35	2n18	24s 8	2s36	25s 0	1s47	1s14	1s11	11s47	1s23	0s41	2n16	2s 8	0n40	5n57	1s51	24n35	11n51	2n47	3n26	10n12	7s23	1s31
M 2	16 47	7 8	1 16	24 19	2 35	25 7	1 48	1 7	1 8	11 46	1 23	0 43	2 16	2 9	0 40	5 57	1 51	24 35	11 51	2 46	3 27	10 13	7 26	1 31
T 3	17 4	3 27	0 12	24 28	2 34	25 13	1 50	1 1	1 4	11 45	1 23	0 45	2 17	2 10	0 40	5 56	1 51	24 35	11 51	2 46	3 29	10 15	7 29	1 31
W 4	17 21	0n20	0s52	24 36	2 32	25 18	1 52	0 55	1 1	11 44	1 22	0 48	2 17	2 11	0 40	5 56	1 51	24 36	11 52	2 46	3 30	10 17	7 32	1 31
T 5	17 38	4 4	1 53	24 41	2 29	25 22	1 54	0 48	0 58	11 42	1 22	0 50	2 17	2 13	0 40	5 55	1 51	24 36	11 52	2 47	3 31	10 18	7 35	1 31
F 6	17 55	7 38	2 49	24 45	2 26	25 26	1 56	0 41	0 55	11 41	1 22	0 52	2 17	2 14	0 40	5 55	1 51	24 36	11 53	2 49	3 33	10 20	7 38	1 30
S 7	18 11	10 54	3 38	24 47	2 21	25 29	1 57	0 33	0 52	11 40	1 22	0 54	2 17	2 15	0 40	5 54	1 51	24 36	11 53	2 52	3 34	10 21	7 40	1 30
S 8	18 26	13 44	4 17	24 47	2 16	25 31	1 59	0 26	0 49	11 38	1 21	0 57	2 17	2 16	0 40	5 54	1 51	24 37	11 54	2 56	3 35	10 23	7 43	1 30
M 9	18 42	16 1	4 45	24 45	2 9	25 32	2 0	0 18	0 46	11 37	1 21	0 59	2 18	2 17	0 40	5 53	1 51	24 37	11 54	3 1	3 36	10 25	7 46	1 30
T 10	18 57	17 38	5 0	24 41	2 1	25 33	2 1	0 11	0 43	11 35	1 21	1 1	2 18	2 18	0 40	5 53	1 51	24 37	11 54	3 6	3 38	10 26	7 49	1 30
W11	19 12	18 27	5 2	24 34	1 52	25 33	2 3	0 3	0 40	11 34	1 21	1 3	2 18	2 19	0 40	5 52	1 51	24 37	11 55	3 11	3 39	10 28	7 52	1 29
T 12	19 26	18 26	4 50	24 25	1 41	25 32	2 4	0n 6	0 37	11 32	1 21	1 5	2 18	2 20	0 41	5 52	1 51	24 38	11 55	3 15	3 40	10 29	7 54	1 29
F 13	19 40	17 31	4 25	24 14	1 29	25 30	2 5	0 14	0 34	11 30	1 20	1 7	2 18	2 22	0 41	5 51	1 51	24 38	11 56	3 18	3 41	10 31	7 57	1 29
S 14	19 54	15 45	3 46	24 0	1 15	25 28	2 6	0 23	0 32	11 28	1 20	1 9	2 18	2 23	0 41	5 51	1 51	24 38	11 56	3 20	3 43	10 32	8 0	1 29
S 15	20 7	13 9	2 54	23 44	1 0	25 25	2 7	0 31	0 29	11 27	1 20	1 11	2 19	2 24	0 41	5 50	1 51	24 39	11 57	3 21	3 44	10 34	8 2	1 29
M16	20 20	9 49	1 53	23 24	0 44	25 21	2 8	0 40	0 27	11 25	1 20	1 13	2 19	2 25	0 41	5 50	1 51	24 39	11 57	3 22	3 45	10 36	8 5	1 29
T 17	20 33	5 53	0 43	23 3	0 26	25 16	2 9	0 49	0 24	11 23	1 19	1 15	2 19	2 26	0 41	5 50	1 51	24 39	11 57	3 22	3 46	10 37	8 7	1 28
W18	20 45	1 32	0n31	22 38	0 7	25 11	2 9	0 58	0 22	11 20	1 19	1 17	2 19	2 27	0 41	5 49	1 50	24 40	11 58	3 22	3 48	10 39	8 10	1 28
T 19	20 57	3s 3	1 45	22 11	0n13	25 4	2 10	1 8	0 19	11 18	1 19	1 19	2 19	2 28	0 41	5 49	1 50	24 40	11 58	3 22	3 49	10 40	8 13	1 28
F 20	21 8	7 33	2 54	21 42	0 33	24 58	2 11	1 17	0 17	11 16	1 19	1 21	2 20	2 29	0 41	5 48	1 50	24 41	11 59	3 24	3 50	10 42	8 15	1 28
S 21	21 19	11 39	3 52	21 11	0 53	24 50	2 11	1 27	0 14	11 14	1 19	1 22	2 20	2 30	0 41	5 48	1 50	24 41	11 59	3 26	3 51	10 43	8 18	1 28
S 22	21 30	15 2	4 34	20 40	1 13	24 42	2 11	1 37	0 12	11 11	1 18	1 24	2 20	2 30	0 41	5 48	1 50	24 41	12 0	3 30	3 53	10 45	8 20	1 28
M23	21 40	17 23	4 57	20 8	1 32	24 33	2 12	1 46	0 10	11 9	1 18	1 26	2 20	2 31	0 41	5 47	1 50	24 42	12 0	3 35	3 54	10 47	8 22	1 27
T 24	21 50	18 30	4 59	19 36	1 50	24 23	2 12	1 57	0 8	11 6	1 18	1 28	2 21	2 32	0 41	5 47	1 50	24 42	12 0	3 39	3 55	10 48	8 25	1 27
W25	21 59	18 22	4 42	19 7	2 6	24 13	2 12	2 7	0 6	11 4	1 18	1 29	2 21	2 33	0 41	5 47	1 50	24 43	12 1	3 43	3 56	10 50	8 27	1 27
T 26	22 8	17 5	4 7	18 39	2 20	24 1	2 12	2 17	0 3	11 1	1 17	1 31	2 21	2 34	0 41	5 46	1 50	24 43	12 1	3 47	3 58	10 51	8 30	1 27
F 27	22 17	14 50	3 19	18 15	2 31	23 50	2 11	2 27	0 1	10 59	1 17	1 33	2 21	2 35	0 41	5 46	1 50	24 44	12 2	3 49	3 59	10 53	8 32	1 27
S 28	22 25	11 53	2 22	17 55	2 41	23 37	2 11	2 38	0n 1	10 56	1 17	1 34	2 21	2 36	0 41	5 46	1 50	24 44	12 2	3 51	4 0	10 54	8 34	1 27
S 29	22 33	8 28	1 20	17 39	2 48	23 24	2 11	2 49	0 3	10 53	1 17	1 36	2 22	2 36	0 41	5 46	1 50	24 45	12 3	3 51	4 1	10 56	8 37	1 26
M30	22s40	4s45	0n15	17s27	2n52	23s10	2s10	2n59	0n 5	10s50	1s17	1s37	2n22	2s37	0n41	5n45	1s50	24n45	12n 3	3n51	4n 3	10n57	8s39	1s26

Julian Day Number = 2165140.5, Delta T = 12m49s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'21, Lahiri = 12°55'21 Julian Calendar 1 Nov. 1215 == Greg. Calendar 8 Nov. 1215

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ASTRODIENST EPHEMERIS for the year 1215
geocentric

DECEMBER 1215 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 4 52	15♐45'43	29♓31	29°R39	27♉11	7♈43	5♓18	9♎36	8♎11	18°R56	24°R24	20°R18	19♍47	9♉29	18♎42	T 1
W 2	5 8 49	16°46'51	11♈26	29♏25	28°23	8° 6	5°26	9°41	8°13	18♈55	24♌24	20♍17	19°43	9°36	18°48	W 2
T 3	5 12 45	17°47'59	23°15	29°D21	29°34	8°30	5°34	9°45	8°15	18°55	24°24	20°13	19°40	9°42	18°54	T 3
F 4	5 16 42	18°49'07	5♉ 4	29°27	0♒45	8°54	5°42	9°49	8°17	18°54	24°23	20° 7	19°37	9°49	19° 0	F 4
S 5	5 20 38	19°50'16	16°55	29°42	1°56	9°18	5°50	9°53	8°19	18°53	24°23	19°57	19°34	9°56	19° 6	S 5
S 6	5 24 35	20°51'25	28°51	0♐ 4	3° 7	9°43	5°58	9°57	8°21	18°53	24°22	19°45	19°31	10° 2	19°12	S 6
M 7	5 28 32	21°52'35	10♊55	0°35	4°18	10° 8	6° 6	10° 1	8°22	18°52	24°22	19°31	19°28	10° 9	19°17	M 7
T 8	5 32 28	22°53'44	23° 9	1°11	5°29	10°34	6°14	10° 4	8°24	18°52	24°21	19°16	19°24	10°16	19°23	T 8
W 9	5 36 25	23°54'54	5♋31	1°54	6°39	10°59	6°23	10° 8	8°26	18°51	24°21	19° 2	19°21	10°23	19°29	W 9
T 10	5 40 21	24°56'04	18° 4	2°42	7°50	11°25	6°32	10°11	8°27	18°51	24°20	18°49	19°18	10°29	19°34	T 10
F 11	5 44 18	25°57'15	0♌46	3°34	9° 0	11°51	6°41	10°15	8°29	18°50	24°19	18°39	19°15	10°36	19°39	F 11
S 12	5 48 14	26°58'25	13°39	4°31	10°11	12°18	6°50	10°18	8°30	18°50	24°19	18°32	19°12	10°43	19°45	S 12
S 13	5 52 11	27°59'36	26°44	5°31	11°21	12°45	6°59	10°21	8°31	18°50	24°18	18°28	19° 9	10°49	19°50	S 13
M14	5 56 7	29° 0'47	10♍ 1	6°35	12°31	13°12	7° 8	10°25	8°33	18°49	24°17	18°27	19° 5	10°56	19°55	M14
T 15	6 0 4	0♎ 1'59	23°34	7°41	13°41	13°39	7°18	10°28	8°34	18°49	24°17	18°26	19° 2	11° 3	20° 0	T 15
W16	6 4 1	1° 3'11	7♎23	8°50	14°51	14° 7	7°27	10°31	8°35	18°49	24°16	18°26	18°59	11° 9	20° 5	W16
T 17	6 7 57	2° 4'23	21°29	10° 1	16° 0	14°34	7°37	10°33	8°36	18°48	24°15	18°25	18°56	11°16	20° 9	T 17
F 18	6 11 54	3° 5'35	5♏52	11°14	17°10	15° 2	7°47	10°36	8°37	18°48	24°14	18°22	18°53	11°23	20°14	F 18
S 19	6 15 50	4° 6'48	20°29	12°30	18°19	15°31	7°56	10°39	8°39	18°48	24°13	18°15	18°49	11°29	20°19	S 19
S 20	6 19 47	5° 8'00	5♐16	13°46	19°29	15°59	8° 7	10°42	8°40	18°48	24°13	18° 6	18°46	11°36	20°23	S 20
M21	6 23 43	6° 9'13	20° 4	15° 4	20°38	16°28	8°17	10°44	8°41	18°48	24°12	17°55	18°43	11°43	20°27	M21
T 22	6 27 40	7°10'25	4♑46	16°24	21°47	16°57	8°27	10°46	8°41	18°48	24°11	17°44	18°40	11°50	20°32	T 22
W23	6 31 36	8°11'37	19°13	17°44	22°55	17°26	8°37	10°49	8°42	18°D48	24°10	17°33	18°37	11°56	20°36	W23
T 24	6 35 33	9°12'49	3♒18	19° 6	24° 4	17°55	8°48	10°51	8°43	18°48	24° 9	17°24	18°34	12° 3	20°40	T 24
F 25	6 39 30	10°14'00	16°58	20°29	25°12	18°25	8°59	10°53	8°44	18°48	24° 8	17°17	18°30	12°10	20°44	F 25
S 26	6 43 26	11°15'11	0♓12	21°53	26°21	18°55	9° 9	10°55	8°44	18°48	24° 7	17°14	18°27	12°16	20°48	S 26
S 27	6 47 23	12°16'21	13° 0	23°17	27°29	19°25	9°20	10°57	8°45	18°48	24° 6	17°D12	18°24	12°23	20°52	S 27
M28	6 51 19	13°17'30	25°27	24°43	28°37	19°55	9°31	10°59	8°46	18°48	24° 5	17°12	18°21	12°30	20°55	M28
T 29	6 55 16	14°18'38	7♈36	26° 9	29°44	20°25	9°42	11° 0	8°46	18°48	24° 4	17°13	18°18	12°36	20°59	T 29
W30	6 59 12	15°19'46	19°33	27°36	0♓52	20°56	9°53	11° 2	8°47	18°48	24° 3	17°R13	18°15	12°43	21° 2	W30
T 31	7 3 9	16♎20'52	1♉24	29♐ 4	1♓59	21♈26	10♓ 5	11♎ 3	8♎47	18♈49	24♌ 1	17♍12	18♍11	12♉50	21♎ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s46	0s56	0s49	17s19	2n55	22s56	2s10	3n10	0n 6	10s47	1s16	1s39	2n22	2s38	0n41	5n45	1s50	24n46	12n 3	3n51	4n 4	10n59	8s41	1s26
W 2	22 53	2n52	1 49	17 15	2 56	22 41	2 9	3 21	0 8	10 44	1 16	1 40	2 22	2 39	0 41	5 45	1 50	24 46	12 4	3 52	4 5	11 1	8 43	1 26
T 3	22 59	6 31	2 45	17 15	2 55	22 25	2 8	3 32	0 10	10 41	1 16	1 41	2 23	2 39	0 41	5 45	1 50	24 47	12 4	3 53	4 6	11 2	8 45	1 26
F 4	23 4	9 55	3 33	17 18	2 53	22 9	2 8	3 43	0 12	10 38	1 16	1 43	2 23	2 40	0 41	5 45	1 50	24 47	12 5	3 56	4 8	11 4	8 47	1 26
S 5	23 9	12 56	4 12	17 24	2 50	21 52	2 7	3 55	0 14	10 35	1 16	1 44	2 23	2 41	0 41	5 44	1 50	24 48	12 5	4 0	4 9	11 5	8 50	1 25
S 6	23 13	15 26	4 40	17 33	2 45	21 34	2 5	4 6	0 15	10 32	1 15	1 46	2 23	2 42	0 41	5 44	1 50	24 48	12 5	4 4	4 10	11 7	8 52	1 25
M 7	23 17	17 17	4 56	17 45	2 40	21 16	2 4	4 17	0 17	10 29	1 15	1 47	2 24	2 42	0 41	5 44	1 50	24 49	12 6	4 10	4 11	11 8	8 54	1 25
T 8	23 21	18 23	4 59	17 58	2 34	20 58	2 3	4 29	0 18	10 25	1 15	1 48	2 24	2 43	0 41	5 44	1 50	24 49	12 6	4 16	4 13	11 10	8 56	1 25
W 9	23 24	18 38	4 47	18 13	2 28	20 39	2 1	4 40	0 20	10 22	1 15	1 49	2 24	2 43	0 41	5 44	1 49	24 50	12 7	4 21	4 14	11 11	8 58	1 25
T 10	23 26	17 59	4 22	18 29	2 20	20 19	2 0	4 52	0 22	10 18	1 15	1 50	2 24	2 44	0 41	5 44	1 49	24 51	12 7	4 26	4 15	11 13	8 59	1 25
F 11	23 29	16 26	3 43	18 47	2 13	19 59	1 58	5 4	0 23	10 15	1 14	1 51	2 25	2 45	0 41	5 43	1 49	24 51	12 7	4 30	4 16	11 14	9 1	1 24
S 12	23 30	14 2	2 53	19 5	2 5	19 38	1 56	5 15	0 25	10 11	1 14	1 53	2 25	2 45	0 41	5 43	1 49	24 52	12 8	4 33	4 18	11 16	9 3	1 24
S 13	23 31	10 54	1 52	19 23	1 57	19 17	1 55	5 27	0 26	10 8	1 14	1 54	2 25	2 46	0 41	5 43	1 49	24 52	12 8	4 35	4 19	11 18	9 5	1 24
M14	23 32	7 9	0 44	19 42	1 49	18 55	1 53	5 39	0 27	10 4	1 14	1 55	2 25	2 46	0 41	5 43	1 49	24 53	12 9	4 35	4 20	11 19	9 7	1 24
T 15	23 32	2 59	0n27	20 2	1 41	18 33	1 50	5 51	0 29	10 1	1 14	1 56	2 26	2 47	0 41	5 43	1 49	24 53	12 9	4 35	4 21	11 21	9 9	1 24
W16	23 32	1s26	1 39	20 21	1 32	18 10	1 48	6 3	0 30	9 57	1 14	1 56	2 26	2 47	0 42	5 43	1 49	24 54	12 9	4 35	4 23	11 22	9 10	1 24
T 17	23 31	5 51	2 45	20 40	1 24	17 47	1 46	6 15	0 32	9 53	1 13	1 57	2 26	2 47	0 42	5 43	1 49	24 55	12 10	4 36	4 24	11 24	9 12	1 24
F 18	23 30	10 1	3 43	20 59	1 15	17 24	1 43	6 27	0 33	9 49	1 13	1 58	2 27	2 48	0 42	5 43	1 49	24 55	12 10	4 37	4 25	11 25	9 14	1 23
S 19	23 28	13 39	4 27	21 17	1 7	17 0	1 41	6 39	0 34	9 45	1 13	1 59	2 27	2 48	0 42	5 43	1 49	24 56	12 10	4 40	4 26	11 27	9 15	1 23
S 20	23 26	16 26	4 54	21 35	0 58	16 35	1 38	6 52	0 35	9 41	1 13	2 0	2 27	2 49	0 42	5 43	1 49	24 57	12 11	4 43	4 28	11 28	9 17	1 23
M21	23 24	18 9	5 1	21 52	0 50	16 11	1 35	7 4	0 37	9 37	1 13	2 0	2 27	2 49	0 42	5 43	1 49	24 57	12 11	4 48	4 29	11 30	9 18	1 23
T 22	23 21	18 39	4 49	22 9	0 42	15 46	1 32	7 16	0 38	9 33	1 13	2 1	2 28	2 49	0 42	5 43	1 49	24 58	12 11	4 52	4 30	11 31	9 20	1 23
W23	23 17	17 54	4 17	22 25	0 33	15 20	1 29	7 28	0 39	9 29	1 12	2 2	2 28	2 50	0 42	5 43	1 49	24 59	12 12	4 56	4 31	11 33	9 21	1 23
T 24	23 13	16 5	3 31	22 40	0 25	14 54	1 26	7 41	0 40	9 25	1 12	2 2	2 28	2 50	0 42	5 43	1 49	24 59	12 12	5 0	4 33	11 34	9 23	1 23
F 25	23 9	13 22	2 34	22 55	0 17	14 28	1 23	7 53	0 41	9 21	1 12	2 3	2 28	2 50	0 42	5 43	1 49	25 0	12 13	5 2	4 34	11 36	9 24	1 22
S 26	23 4	10 3	1 29	23 8	0 9	14 2	1 19	8 5	0 42	9 17	1 12	2 3	2 29	2 50	0 42	5 43	1 48	25 1	12 13	5 4	4 35	11 37	9 25	1 22
S 27	22 58	6 22	0 22	23 21	0 1	13 35	1 16	8 18	0 43	9 13	1 12	2 4	2 29	2 51	0 42	5 43	1 48	25 1	12 13	5 4	4 36	11 39	9 27	1 22
M28	22 52	2 29	0s44	23 32	0s 6	13 8	1 12	8 30	0 44	9 8	1 12	2 4	2 29	2 51	0 42	5 44	1 48	25 2	12 13	5 4	4 38	11 40	9 28	1 22
T 29	22 46	1n24	1 47	23 43	0 14	12 41	1 9	8 43	0 45	9 4	1 12	2 5	2 30	2 51	0 42	5 44	1 48	25 3	12 14	5 4	4 39	11 42	9 29	1 22
W30	22 39	5 9	2 44	23 52	0 21	12 13	1 5	8 55	0 46	9 0	1 11	2 5	2 30	2 51	0 42	5 44	1 48	25 3	12 14	5 4	4 40	11 43	9 30	1 22
T 31	22s32	8n41	3s33	24s 0	0s28	11s45	1s 1	9n 8	0n47	8s55	1s11	2s 5	2n30	2s51	0n42	5n44	1s48	25n 4	12n14	5n 5	4n41	11n45	9s31	1s21

Julian Day Number = 2165170.5, Delta T = 12m49s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'25, Lahiri = 12°55'25 Julian Calendar 1 Dec. 1215 == Greg. Calendar 8 Dec. 1215

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

JANUARY 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 7 5	17♑21'58	13♉14	0♑32	3♓ 6	21♈57	10♓16	11♎ 5	8♎47	18♈49	24°R 0	17°R 8	18♍ 8	12♉57	21♎ 9	F 1
S 2	7 11 2	18°23'03	25° 7	2° 1	4°13	22°28	10°28	11° 6	8°48	18°49	23♌59	17♍ 2	18° 5	13° 3	21°12	S 2
S 3	7 14 59	19°24'07	7♊ 7	3°31	5°19	23° 0	10°39	11° 7	8°48	18°50	23°58	16°54	18° 2	13°10	21°15	S 3
M 4	7 18 55	20°25'10	19°18	5° 1	6°26	23°31	10°51	11° 8	8°48	18°50	23°57	16°44	17°59	13°17	21°18	M 4
T 5	7 22 52	21°26'12	1♋42	6°32	7°32	24° 2	11° 3	11° 9	8°48	18°50	23°55	16°33	17°55	13°23	21°21	T 5
W 6	7 26 48	22°27'14	14°19	8° 3	8°38	24°34	11°15	11°10	8°R48	18°51	23°54	16°22	17°52	13°30	21°23	W 6
T 7	7 30 45	23°28'14	27°10	9°36	9°43	25° 6	11°26	11°10	8°48	18°51	23°53	16°13	17°49	13°37	21°26	T 7
F 8	7 34 41	24°29'13	10♌13	11° 8	10°48	25°38	11°39	11°11	8°48	18°52	23°52	16° 6	17°46	13°43	21°28	F 8
S 9	7 38 38	25°30'12	23°28	12°42	11°53	26°10	11°51	11°12	8°48	18°52	23°50	16° 1	17°43	13°50	21°31	S 9
S 10	7 42 34	26°31'10	6♍54	14°16	12°58	26°42	12° 3	11°12	8°48	18°53	23°49	15°58	17°40	13°57	21°33	S 10
M11	7 46 31	27°32'07	20°30	15°51	14° 3	27°14	12°15	11°12	8°47	18°54	23°48	15°D58	17°36	14° 4	21°35	M11
T 12	7 50 28	28°33'03	4♎15	17°26	15° 7	27°46	12°28	11°12	8°47	18°54	23°46	15°59	17°33	14°10	21°37	T 12
W13	7 54 24	29°33'58	18°10	19° 2	16°10	28°19	12°40	11°R13	8°47	18°55	23°45	16° 0	17°30	14°17	21°39	W13
T 14	7 58 21	0♒34'53	2♏13	20°39	17°14	28°51	12°52	11°13	8°46	18°56	23°44	16°R 1	17°27	14°24	21°41	T 14
F 15	8 2 17	1°35'47	16°24	22°17	18°17	29°24	13° 5	11°12	8°46	18°57	23°42	16° 0	17°24	14°30	21°42	F 15
S 16	8 6 14	2°36'40	0♐40	23°55	19°20	29°57	13°18	11°12	8°45	18°57	23°41	15°57	17°21	14°37	21°44	S 16
S 17	8 10 10	3°37'32	15° 1	25°34	20°22	0♑30	13°31	11°12	8°45	18°58	23°40	15°52	17°17	14°44	21°45	S 17
M18	8 14 7	4°38'24	29°20	27°14	21°24	1° 3	13°43	11°11	8°44	18°59	23°38	15°46	17°14	14°50	21°46	M18
T 19	8 18 3	5°39'14	13♑33	28°54	22°26	1°36	13°56	11°11	8°44	19° 0	23°37	15°39	17°11	14°57	21°48	T 19
W20	8 22 0	6°40'03	27°35	0♒36	23°27	2° 9	14° 9	11°10	8°43	19° 1	23°35	15°32	17° 8	15° 4	21°49	W20
T 21	8 25 57	7°40'51	11♒22	2°18	24°28	2°43	14°22	11° 9	8°42	19° 2	23°34	15°27	17° 5	15°11	21°50	T 21
F 22	8 29 53	8°41'37	24°49	4° 0	25°28	3°16	14°35	11° 9	8°41	19° 3	23°32	15°23	17° 1	15°17	21°50	F 22
S 23	8 33 50	9°42'22	7♓56	5°44	26°28	3°50	14°49	11° 8	8°40	19° 4	23°31	15°21	16°58	15°24	21°51	S 23
S 24	8 37 46	10°43'05	20°42	7°29	27°28	4°24	15° 2	11° 6	8°39	19° 5	23°29	15°D21	16°55	15°31	21°52	S 24
M25	8 41 43	11°43'47	3♈ 9	9°14	28°27	4°57	15°15	11° 5	8°38	19° 6	23°28	15°22	16°52	15°37	21°52	M25
T 26	8 45 39	12°44'27	15°21	11° 0	29°25	5°31	15°28	11° 4	8°37	19° 7	23°26	15°24	16°49	15°44	21°52	T 26
W27	8 49 36	13°45'05	27°21	12°47	0♈23	6° 5	15°42	11° 3	8°36	19° 8	23°25	15°26	16°46	15°51	21°53	W27
T 28	8 53 32	14°45'42	9♉14	14°35	1°21	6°39	15°55	11° 1	8°35	19° 9	23°23	15°R27	16°42	15°57	21°R53	T 28
F 29	8 57 29	15°46'16	21° 5	16°24	2°18	7°13	16° 9	11° 0	8°34	19°11	23°22	15°27	16°39	16° 4	21°53	F 29
S 30	9 1 26	16°46'49	2♊59	18°13	3°14	7°47	16°22	10°58	8°33	19°12	23°20	15°26	16°36	16°11	21°53	S 30
S 31	9 5 22	17♒47'21	15♊ 1	20♒ 3	4♈10	8♉22	16♓36	10♎56	8♎32	19♈13	23♌19	15♍23	16♍33	16♉18	21♎52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s24	11n51	4s14	24s 7	0s35	11s17	0s57	9n20	0n48	8s51	1s11	2s 6	2n30	2s51	0n42	5n44	1s48	25n 5	12n15	5n 6	4n43	11n46	9s32	1s21
S 2	22 16	14 33	4 43	24 13	0 42	10 49	0 52	9 32	0 49	8 46	1 11	2 6	2 31	2 51	0 42	5 44	1 48	25 5	12 15	5 8	4 44	11 48	9 33	1 21
S 3	22 8	16 39	5 0	24 18	0 48	10 21	0 48	9 45	0 50	8 42	1 11	2 6	2 31	2 51	0 42	5 44	1 48	25 6	12 15	5 12	4 45	11 49	9 34	1 21
M 4	21 59	18 3	5 4	24 21	0 55	9 52	0 44	9 57	0 51	8 37	1 11	2 6	2 31	2 51	0 42	5 45	1 48	25 7	12 16	5 16	4 46	11 51	9 35	1 21
T 5	21 49	18 37	4 54	24 23	1 1	9 23	0 39	10 10	0 52	8 32	1 11	2 6	2 32	2 51	0 42	5 45	1 48	25 7	12 16	5 20	4 48	11 52	9 36	1 21
W 6	21 40	18 18	4 30	24 24	1 7	8 54	0 35	10 22	0 53	8 28	1 10	2 6	2 32	2 51	0 42	5 45	1 48	25 8	12 16	5 24	4 49	11 54	9 37	1 21
T 7	21 29	17 2	3 51	24 24	1 12	8 25	0 30	10 35	0 54	8 23	1 10	2 6	2 32	2 51	0 42	5 45	1 48	25 9	12 16	5 28	4 50	11 55	9 38	1 20
F 8	21 19	14 52	3 0	24 22	1 18	7 56	0 25	10 47	0 54	8 18	1 10	2 6	2 32	2 51	0 42	5 46	1 48	25 9	12 17	5 30	4 51	11 57	9 39	1 20
S 9	21 8	11 54	1 58	24 18	1 23	7 26	0 20	11 0	0 55	8 14	1 10	2 6	2 33	2 51	0 42	5 46	1 48	25 10	12 17	5 32	4 53	11 58	9 39	1 20
S 10	20 56	8 16	0 49	24 14	1 28	6 57	0 15	11 12	0 56	8 9	1 10	2 6	2 33	2 51	0 42	5 46	1 48	25 11	12 17	5 33	4 54	12 0	9 40	1 20
M11	20 44	4 9	0n24	24 8	1 33	6 27	0 10	11 25	0 57	8 4	1 10	2 6	2 33	2 51	0 42	5 46	1 47	25 11	12 17	5 33	4 55	12 1	9 41	1 20
T 12	20 32	0s13	1 37	24 0	1 37	5 57	0 4	11 37	0 57	7 59	1 10	2 6	2 34	2 51	0 42	5 47	1 47	25 12	12 18	5 33	4 56	12 3	9 41	1 20
W13	20 20	4 37	2 45	23 51	1 41	5 28	0n 1	11 49	0 58	7 54	1 10	2 6	2 34	2 51	0 42	5 47	1 47	25 13	12 18	5 33	4 58	12 4	9 42	1 19
T 14	20 7	8 48	3 44	23 40	1 45	4 58	0 7	12 2	0 59	7 49	1 9	2 5	2 34	2 50	0 43	5 47	1 47	25 14	12 18	5 32	4 59	12 6	9 42	1 19
F 15	19 53	12 31	4 29	23 28	1 48	4 28	0 12	12 14	1 0	7 44	1 9	2 5	2 34	2 50	0 43	5 48	1 47	25 14	12 18	5 33	5 0	12 7	9 43	1 19
S 16	19 39	15 31	4 58	23 15	1 52	3 58	0 18	12 26	1 0	7 39	1 9	2 5	2 35	2 50	0 43	5 48	1 47	25 15	12 19	5 34	5 1	12 9	9 43	1 19
S 17	19 25	17 34	5 9	22 59	1 54	3 28	0 24	12 39	1 1	7 34	1 9	2 4	2 35	2 50	0 43	5 48	1 47	25 16	12 19	5 36	5 2	12 10	9 44	1 19
M18	19 11	18 32	5 1	22 43	1 57	2 58	0 30	12 51	1 2	7 29	1 9	2 4	2 35	2 50	0 43	5 49	1 47	25 16	12 19	5 38	5 4	12 12	9 44	1 19
T 19	18 56	18 18	4 34	22 24	1 59	2 28	0 36	13 3	1 2	7 24	1 9	2 3	2 35	2 49	0 43	5 49	1 47	25 17	12 19	5 41	5 5	12 13	9 44	1 18
W20	18 41	16 58	3 50	22 4	2 1	1 58	0 42	13 15	1 3	7 19	1 9	2 3	2 36	2 49	0 43	5 50	1 47	25 18	12 19	5 43	5 6	12 15	9 45	1 18
T 21	18 26	14 39	2 54	21 43	2 2	1 28	0 48	13 27	1 3	7 14	1 9	2 2	2 36	2 49	0 43	5 50	1 47	25 18	12 20	5 46	5 7	12 16	9 45	1 18
F 22	18 10	11 35	1 50	21 20	2 3	0 58	0 55	13 39	1 4	7 9	1 9	2 2	2 36	2 48	0 43	5 50	1 47	25 19	12 20	5 47	5 9	12 18	9 45	1 18
S 23	17 54	8 0	0 40	20 55	2 4	0 28	1 1	13 51	1 5	7 4	1 9	2 1	2 37	2 48	0 43	5 51	1 47	25 20	12 20	5 48	5 10	12 19	9 45	1 18
S 24	17 37	4 9	0s29	20 29	2 4	0n 1	1 8	14 3	1 5	6 58	1 8	2 1	2 37	2 47	0 43	5 51	1 47	25 20	12 20	5 48	5 11	12 21	9 45	1 18
M25	17 20	0 12	1 36	20 1	2 4	0 31	1 14	14 15	1 6	6 53	1 8	2 0	2 37	2 47	0 43	5 52	1 47	25 21	12 20	5 47	5 12	12 22	9 45	1 17
T 26	17 3	3n40	2 37	19 31	2 3	1 0	1 21	14 27	1 6	6 48	1 8	1 59	2 37	2 47	0 43	5 52	1 47	25 22	12 20	5 47	5 14	12 24	9 45	1 17
W27	16 46	7 19	3 30	19 0	2 2	1 30	1 28	14 39	1 7	6 43	1 8	1 58	2 38	2 46	0 43	5 53	1 47	25 22	12 21	5 46	5 15	12 25	9 45	1 17
T 28	16 28	10 38	4 13	18 27	2 0	1 59	1 35	14 51	1 7	6 37	1 8	1 57	2 38	2 46	0 43	5 53	1 47	25 23	12 21	5 45	5 16	12 27	9 45	1 17
F 29	16 10	13 30	4 46	17 52	1 58	2 28	1 42	15 3	1 8	6 32	1 8	1 57	2 38	2 45	0 43	5 54	1 46	25 24	12 21	5 45	5 17	12 28	9 45	1 17
S 30	15 52	15 50	5 6	17 16	1 56	2 57	1 49	15 14	1 8	6 27	1 8	1 56	2 38	2 45	0 43	5 54	1 46	25 24	12 21	5 46	5 19	12 30	9 44	1 17
S 31	15s34	17n30	5s13	16s38	1s52	3n26	1n56	15n26	1n 9	6s21	1s 8	1s55	2n39	2s44	0n43	5n55	1s46	25n25	12n21	5n47	5n20	12n31	9s44	1s16

Julian Day Number = 2165201.5, Delta T = 12m49s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'29, Lahiri = 12°55'29 Julian Calendar 1 Jan. 1216 == Greg. Calendar 8 Jan. 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

FEBRUARY 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 9 19	18♒47'50	27♊15	21♒54	5♈ 5	8♉56	16♓50	10°R54	8°R30	19♈14	23°R17	15°R19	16♍30	16♉24	21°R52	M 1
T 2	9 13 15	19°48'18	9♋44	23°45	6° 0	9°30	17° 3	10♎52	8♎29	19°16	23♌16	15♍15	16°27	16°31	21♎52	T 2
W 3	9 17 12	20°48'43	22°30	25°38	6°54	10° 5	17°17	10°50	8°27	19°17	23°14	15°11	16°23	16°38	21°51	W 3
T 4	9 21 8	21°49'07	5♌35	27°30	7°47	10°39	17°31	10°48	8°26	19°18	23°13	15° 7	16°20	16°44	21°50	T 4
F 5	9 25 5	22°49'29	18°58	29°23	8°39	11°14	17°45	10°46	8°24	19°20	23°11	15° 5	16°17	16°51	21°49	F 5
S 6	9 29 1	23°49'49	2♍37	1♓16	9°31	11°48	17°59	10°43	8°23	19°21	23°10	15° 3	16°14	16°58	21°48	S 6
S 7	9 32 58	24°50'08	16°30	3°10	10°22	12°23	18°12	10°41	8°21	19°23	23° 8	15°D 3	16°11	17° 5	21°47	S 7
M 8	9 36 55	25°50'25	0♎34	5° 3	11°12	12°58	18°26	10°38	8°20	19°24	23° 7	15° 3	16° 7	17°11	21°46	M 8
T 9	9 40 51	26°50'40	14°44	6°56	12° 2	13°33	18°40	10°36	8°18	19°26	23° 5	15° 4	16° 4	17°18	21°45	T 9
W10	9 44 48	27°50'54	28°58	8°48	12°50	14° 7	18°54	10°33	8°16	19°27	23° 4	15° 6	16° 1	17°25	21°44	W10
T 11	9 48 44	28°51'06	13♏13	10°40	13°38	14°42	19° 8	10°30	8°15	19°29	23° 2	15° 7	15°58	17°31	21°42	T 11
F 12	9 52 41	29°51'17	27°26	12°30	14°25	15°17	19°23	10°27	8°13	19°30	23° 1	15°R 7	15°55	17°38	21°41	F 12
S 13	9 56 37	0♓51'26	11♐35	14°18	15°10	15°52	19°37	10°25	8°11	19°32	22°59	15° 7	15°52	17°45	21°39	S 13
S 14	10 0 34	1°51'33	25°38	16° 5	15°55	16°27	19°51	10°21	8° 9	19°34	22°58	15° 6	15°48	17°51	21°37	S 14
M15	10 4 30	2°51'40	9♑32	17°49	16°39	17° 2	20° 5	10°18	8° 7	19°35	22°56	15° 5	15°45	17°58	21°35	M15
T 16	10 8 27	3°51'44	23°17	19°30	17°22	17°38	20°19	10°15	8° 5	19°37	22°55	15° 3	15°42	18° 5	21°33	T 16
W17	10 12 24	4°51'47	6♒50	21° 7	18° 4	18°13	20°34	10°12	8° 3	19°39	22°53	15° 2	15°39	18°12	21°31	W17
T 18	10 16 20	5°51'47	20°10	22°40	18°44	18°48	20°48	10° 9	8° 1	19°40	22°52	15° 1	15°36	18°18	21°29	T 18
F 19	10 20 17	6°51'46	3♓15	24° 9	19°24	19°23	21° 2	10° 5	7°59	19°42	22°50	15° 0	15°32	18°25	21°26	F 19
S 20	10 24 13	7°51'43	16° 5	25°33	20° 2	19°59	21°16	10° 2	7°57	19°44	22°49	15°D 0	15°29	18°32	21°24	S 20
S 21	10 28 10	8°51'38	28°41	26°50	20°39	20°34	21°31	9°58	7°55	19°46	22°47	15° 0	15°26	18°38	21°22	S 21
M22	10 32 6	9°51'31	11♈ 2	28° 2	21°14	21°10	21°45	9°54	7°53	19°48	22°46	15° 1	15°23	18°45	21°19	M22
T 23	10 36 3	10°51'22	23°11	29° 7	21°49	21°45	22° 0	9°51	7°50	19°49	22°44	15° 1	15°20	18°52	21°16	T 23
W24	10 39 59	11°51'10	5♉11	0♈ 5	22°21	22°21	22°14	9°47	7°48	19°51	22°43	15° 2	15°17	18°59	21°13	W24
T 25	10 43 56	12°50'57	17° 4	0°55	22°53	22°56	22°28	9°43	7°46	19°53	22°41	15° 2	15°13	19° 5	21°11	T 25
F 26	10 47 52	13°50'41	28°56	1°38	23°22	23°32	22°43	9°39	7°44	19°55	22°40	15° 2	15°10	19°12	21° 8	F 26
S 27	10 51 49	14°50'23	10♊50	2°13	23°50	24° 8	22°57	9°35	7°41	19°57	22°38	15° 2	15° 7	19°19	21° 5	S 27
S 28	10 55 46	15°50'02	22°51	2°39	24°17	24°43	23°12	9°31	7°39	19°59	22°37	15° 2	15° 4	19°25	21° 1	S 28
M29	10 59 42	16♓49'39	5♋ 3	2♈58	24♈42	25♉19	23♓26	9♎27	7♎37	20♈ 1	22♌36	15♍ 2	15♍ 1	19♉32	20♎58	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s15	18n24	5s 7	15s59	1s49	3n55	2n 3	15n37	1n 9	6s16	1s 8	1s54	2n39	2s44	0n43	5n55	1s46	25n25	12n21	5n48	5n21	12n32	9s44	1s16
T 2	14 56	18 26	4 46	15 18	1 44	4 23	2 11	15 49	1 10	6 10	1 8	1 53	2 39	2 43	0 43	5 56	1 46	25 26	12 21	5 50	5 22	12 34	9 43	1 16
W 3	14 37	17 33	4 10	14 35	1 39	4 51	2 18	16 0	1 10	6 5	1 8	1 52	2 39	2 42	0 43	5 56	1 46	25 27	12 21	5 52	5 24	12 35	9 43	1 16
T 4	14 18	15 43	3 20	13 51	1 34	5 19	2 25	16 12	1 10	5 59	1 8	1 51	2 40	2 42	0 43	5 57	1 46	25 27	12 21	5 53	5 25	12 37	9 43	1 16
F 5	13 58	13 0	2 19	13 6	1 28	5 47	2 33	16 23	1 11	5 54	1 8	1 50	2 40	2 41	0 43	5 58	1 46	25 28	12 22	5 54	5 26	12 38	9 42	1 15
S 6	13 38	9 32	1 8	12 20	1 21	6 15	2 41	16 34	1 11	5 48	1 8	1 48	2 40	2 41	0 43	5 58	1 46	25 29	12 22	5 55	5 27	12 40	9 42	1 15
S 7	13 18	5 28	0n 8	11 32	1 14	6 42	2 48	16 45	1 12	5 43	1 7	1 47	2 40	2 40	0 43	5 59	1 46	25 29	12 22	5 55	5 29	12 41	9 41	1 15
M 8	12 58	1 4	1 25	10 43	1 6	7 9	2 56	16 56	1 12	5 37	1 7	1 46	2 41	2 39	0 43	5 59	1 46	25 30	12 22	5 55	5 30	12 43	9 40	1 15
T 9	12 37	3s25	2 37	9 53	0 57	7 35	3 4	17 7	1 12	5 32	1 7	1 45	2 41	2 39	0 43	6 0	1 46	25 30	12 22	5 54	5 31	12 44	9 40	1 15
W10	12 16	7 44	3 39	9 2	0 48	8 2	3 12	17 18	1 13	5 26	1 7	1 44	2 41	2 38	0 43	6 1	1 46	25 31	12 22	5 54	5 32	12 46	9 39	1 14
T 11	11 55	11 36	4 29	8 11	0 38	8 28	3 19	17 29	1 13	5 21	1 7	1 42	2 41	2 37	0 43	6 1	1 46	25 31	12 22	5 53	5 33	12 47	9 38	1 14
F 12	11 34	14 47	5 1	7 19	0 27	8 53	3 27	17 40	1 14	5 15	1 7	1 41	2 41	2 36	0 43	6 2	1 46	25 32	12 22	5 53	5 35	12 48	9 37	1 14
S 13	11 13	17 3	5 16	6 27	0 16	9 18	3 35	17 50	1 14	5 10	1 7	1 40	2 42	2 36	0 43	6 3	1 46	25 33	12 22	5 53	5 36	12 50	9 37	1 14
S 14	10 51	18 17	5 11	5 34	0 4	9 43	3 43	18 1	1 14	5 4	1 7	1 38	2 42	2 35	0 43	6 3	1 46	25 33	12 22	5 54	5 37	12 51	9 36	1 14
M15	10 30	18 24	4 48	4 43	0n 8	10 8	3 51	18 11	1 15	4 58	1 7	1 37	2 42	2 34	0 43	6 4	1 46	25 34	12 22	5 54	5 38	12 53	9 35	1 13
T 16	10 8	17 26	4 9	3 51	0 21	10 32	4 0	18 21	1 15	4 53	1 7	1 35	2 42	2 33	0 43	6 5	1 46	25 34	12 22	5 55	5 40	12 54	9 34	1 13
W17	9 46	15 29	3 16	3 1	0 34	10 55	4 8	18 32	1 15	4 47	1 7	1 34	2 43	2 33	0 43	6 5	1 46	25 35	12 22	5 55	5 41	12 56	9 33	1 13
T 18	9 24	12 43	2 13	2 12	0 47	11 19	4 16	18 42	1 15	4 41	1 7	1 32	2 43	2 32	0 43	6 6	1 46	25 35	12 22	5 56	5 42	12 57	9 32	1 13
F 19	9 2	9 21	1 5	1 24	1 1	11 41	4 24	18 52	1 16	4 36	1 7	1 31	2 43	2 31	0 43	6 7	1 46	25 36	12 22	5 56	5 43	12 59	9 31	1 12
S 20	8 39	5 36	0s 6	0 38	1 15	12 3	4 32	19 2	1 16	4 30	1 7	1 29	2 43	2 30	0 44	6 7	1 45	25 36	12 22	5 56	5 45	13 0	9 30	1 12
S 21	8 17	1 41	1 15	0n 5	1 28	12 25	4 40	19 12	1 16	4 24	1 7	1 28	2 43	2 29	0 44	6 8	1 45	25 37	12 22	5 56	5 46	13 1	9 28	1 12
M22	7 54	2n15	2 19	0 46	1 42	12 46	4 48	19 21	1 17	4 18	1 7	1 26	2 43	2 28	0 44	6 9	1 45	25 37	12 22	5 56	5 47	13 3	9 27	1 12
T 23	7 32	6 0	3 16	1 25	1 55	13 7	4 57	19 31	1 17	4 13	1 7	1 25	2 44	2 27	0 44	6 10	1 45	25 38	12 22	5 56	5 48	13 4	9 26	1 11
W24	7 9	9 28	4 4	2 0	2 9	13 27	5 5	19 40	1 17	4 7	1 7	1 23	2 44	2 27	0 44	6 10	1 45	25 38	12 22	5 55	5 50	13 6	9 25	1 11
T 25	6 46	12 31	4 41	2 32	2 21	13 46	5 13	19 50	1 17	4 1	1 7	1 21	2 44	2 26	0 44	6 11	1 45	25 38	12 22	5 55	5 51	13 7	9 23	1 11
F 26	6 23	15 2	5 5	3 0	2 33	14 4	5 21	19 59	1 17	3 56	1 7	1 20	2 44	2 25	0 44	6 12	1 45	25 39	12 22	5 55	5 52	13 8	9 22	1 11
S 27	6 0	16 56	5 17	3 24	2 45	14 22	5 29	20 8	1 18	3 50	1 7	1 18	2 44	2 24	0 44	6 13	1 45	25 39	12 22	5 55	5 53	13 10	9 21	1 10
S 28	5 37	18 7	5 14	3 44	2 55	14 40	5 37	20 17	1 18	3 44	1 7	1 16	2 44	2 23	0 44	6 13	1 45	25 40	12 22	5 55	5 54	13 11	9 19	1 10
M29	5s13	18n28	4s58	4n 0	3n 4	14n56	5n45	20n26	1n18	3s38	1s 7	1s14	2n45	2s22	0n44	6n14	1s45	25n40	12n21	5n55	5n56	13n13	9s18	1s10

Julian Day Number = 2165232.5, Delta T = 12m49s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'33, Lahiri = 12°55'34 Julian Calendar 1 Feb. 1216 == Greg. Calendar 8 Feb. 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

MARCH 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 3 39	17♓49'14	17♋32	3♈ 8	25♈ 4	25♉55	23♓41	9°R23	7°R34	20♈ 3	22°R34	15♍ 2	14♍58	19♉39	20°R55	T 1
W 2	11 7 35	18°48'47	0♌20	3°R10	25°25	26°31	23°55	9♎19	7♎32	20° 5	22♌33	15° 3	14°54	19°45	20♎51	W 2
T 3	11 11 32	19°48'17	13°30	3° 4	25°45	27° 6	24°10	9°15	7°30	20° 7	22°32	15° 3	14°51	19°52	20°48	T 3
F 4	11 15 28	20°47'45	27° 4	2°50	26° 2	27°42	24°24	9°11	7°27	20° 9	22°30	15° 4	14°48	19°59	20°44	F 4
S 5	11 19 25	21°47'11	11♍ 0	2°29	26°17	28°18	24°39	9° 6	7°25	20°11	22°29	15°R 4	14°45	20° 6	20°41	S 5
S 6	11 23 21	22°46'35	25°16	2° 2	26°30	28°54	24°53	9° 2	7°22	20°13	22°28	15° 4	14°42	20°12	20°37	S 6
M 7	11 27 18	23°45'56	9♎46	1°28	26°40	29°30	25° 8	8°58	7°20	20°15	22°26	15° 3	14°38	20°19	20°33	M 7
T 8	11 31 15	24°45'16	24°26	0°49	26°49	0♊ 6	25°22	8°53	7°17	20°17	22°25	15° 2	14°35	20°26	20°30	T 8
W 9	11 35 11	25°44'34	9♏ 8	0° 7	26°55	0°42	25°37	8°49	7°15	20°19	22°24	15° 1	14°32	20°32	20°26	W 9
T 10	11 39 8	26°43'50	23°46	29♓20	26°59	1°18	25°51	8°45	7°12	20°21	22°23	15° 0	14°29	20°39	20°22	T 10
F 11	11 43 4	27°43'04	8♐14	28°32	27°R 1	1°54	26° 6	8°40	7°10	20°23	22°22	14°59	14°26	20°46	20°18	F 11
S 12	11 47 1	28°42'16	22°28	27°42	27° 0	2°30	26°20	8°36	7° 7	20°25	22°20	14°D58	14°23	20°53	20°14	S 12
S 13	11 50 57	29°41'27	6♑26	26°51	26°57	3° 6	26°35	8°31	7° 5	20°28	22°19	14°58	14°19	20°59	20°10	S 13
M14	11 54 54	0♈40'35	20° 8	26° 2	26°51	3°42	26°49	8°26	7° 2	20°30	22°18	14°59	14°16	21° 6	20° 5	M14
T 15	11 58 50	1°39'42	3♒33	25°14	26°43	4°18	27° 4	8°22	7° 0	20°32	22°17	15° 0	14°13	21°13	20° 1	T 15
W16	12 2 47	2°38'48	16°43	24°28	26°32	4°54	27°18	8°17	6°57	20°34	22°16	15° 1	14°10	21°19	19°57	W16
T 17	12 6 44	3°37'51	29°39	23°46	26°19	5°30	27°33	8°13	6°55	20°36	22°15	15° 2	14° 7	21°26	19°53	T 17
F 18	12 10 40	4°36'52	12♓21	23° 7	26° 3	6° 7	27°47	8° 8	6°52	20°38	22°14	15°R 3	14° 4	21°33	19°48	F 18
S 19	12 14 37	5°35'51	24°52	22°33	25°45	6°43	28° 2	8° 3	6°49	20°41	22°13	15° 3	14° 0	21°40	19°44	S 19
S 20	12 18 33	6°34'49	7♈12	22° 4	25°25	7°19	28°16	7°59	6°47	20°43	22°12	15° 1	13°57	21°46	19°39	S 20
M21	12 22 30	7°33'44	19°23	21°39	25° 3	7°55	28°30	7°54	6°44	20°45	22°11	14°59	13°54	21°53	19°35	M21
T 22	12 26 26	8°32'37	1♉26	21°20	24°38	8°32	28°45	7°50	6°42	20°47	22°10	14°55	13°51	22° 0	19°30	T 22
W23	12 30 23	9°31'28	13°23	21° 6	24°11	9° 8	28°59	7°45	6°39	20°50	22° 9	14°51	13°48	22° 6	19°26	W23
T 24	12 34 19	10°30'17	25°15	20°57	23°42	9°44	29°14	7°40	6°36	20°52	22° 8	14°47	13°44	22°13	19°21	T 24
F 25	12 38 16	11°29'04	7♊ 6	20°D54	23°12	10°21	29°28	7°36	6°34	20°54	22° 7	14°43	13°41	22°20	19°17	F 25
S 26	12 42 12	12°27'48	19° 0	20°56	22°39	10°57	29°42	7°31	6°31	20°56	22° 6	14°40	13°38	22°27	19°12	S 26
S 27	12 46 9	13°26'30	0♋59	21° 4	22° 5	11°33	29°57	7°27	6°29	20°58	22° 5	14°37	13°35	22°33	19° 8	S 27
M28	12 50 6	14°25'10	13° 9	21°16	21°30	12°10	0♈11	7°22	6°26	21° 1	22° 4	14°D37	13°32	22°40	19° 3	M28
T 29	12 54 2	15°23'48	25°34	21°33	20°54	12°46	0°25	7°17	6°24	21° 3	22° 4	14°37	13°29	22°47	18°58	T 29
W30	12 57 59	16°22'23	8♌18	21°55	20°17	13°23	0°39	7°13	6°21	21° 5	22° 3	14°38	13°25	22°53	18°54	W30
T 31	13 1 55	17♈20'57	21♌26	22♓21	19♈40	13♊59	0♈54	7♎ 8	6♎19	21♈ 7	22♌ 2	14♍40	13♍22	23♉ 0	18♎49	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s50	17n57	4s28	4n12	3n13	15n12	5n52	20n35	1n18	3s32	1s 7	1s13	2n45	2s21	0n44	6n15	1s45	25n41	12n21	5n55	5n57	13n14	9s16	1s10
W 2	4 27	16 31	3 44	4 19	3 20	15 27	6 0	20 44	1 19	3 27	1 7	1 11	2 45	2 20	0 44	6 16	1 45	25 41	12 21	5 55	5 58	13 16	9 15	1 9
T 3	4 3	14 11	2 46	4 21	3 25	15 41	6 7	20 52	1 19	3 21	1 7	1 9	2 45	2 19	0 44	6 16	1 45	25 41	12 21	5 55	5 59	13 17	9 13	1 9
F 4	3 40	11 0	1 38	4 20	3 29	15 54	6 15	21 1	1 19	3 15	1 7	1 7	2 45	2 18	0 44	6 17	1 45	25 42	12 21	5 55	6 1	13 18	9 12	1 9
S 5	3 16	7 7	0 23	4 14	3 32	16 6	6 22	21 9	1 19	3 9	1 7	1 6	2 45	2 17	0 44	6 18	1 45	25 42	12 21	5 55	6 2	13 20	9 10	1 9
S 6	2 53	2 45	0n56	4 3	3 32	16 17	6 29	21 17	1 19	3 4	1 7	1 4	2 45	2 16	0 44	6 19	1 45	25 42	12 21	5 55	6 3	13 21	9 8	1 8
M 7	2 29	1s51	2 13	3 49	3 31	16 28	6 36	21 25	1 19	2 58	1 7	1 2	2 45	2 15	0 44	6 20	1 45	25 43	12 21	5 55	6 4	13 23	9 7	1 8
T 8	2 6	6 23	3 21	3 31	3 28	16 37	6 42	21 33	1 20	2 52	1 7	1 0	2 46	2 14	0 44	6 20	1 45	25 43	12 21	5 55	6 6	13 24	9 5	1 8
W 9	1 42	10 32	4 17	3 9	3 24	16 45	6 49	21 41	1 20	2 46	1 7	0 58	2 46	2 13	0 44	6 21	1 45	25 43	12 20	5 56	6 7	13 25	9 3	1 8
T 10	1 18	14 1	4 55	2 45	3 17	16 52	6 54	21 48	1 20	2 41	1 7	0 57	2 46	2 12	0 44	6 22	1 45	25 44	12 20	5 56	6 8	13 27	9 1	1 7
F 11	0 55	16 36	5 14	2 18	3 9	16 58	7 0	21 56	1 20	2 35	1 7	0 55	2 46	2 11	0 44	6 23	1 45	25 44	12 20	5 57	6 9	13 28	9 0	1 7
S 12	0 31	18 6	5 14	1 49	2 59	17 2	7 5	22 3	1 20	2 29	1 7	0 53	2 46	2 10	0 44	6 24	1 45	25 44	12 20	5 57	6 10	13 30	8 58	1 7
S 13	0 7	18 29	4 55	1 19	2 48	17 6	7 10	22 11	1 20	2 23	1 7	0 51	2 46	2 9	0 44	6 24	1 45	25 44	12 20	5 57	6 12	13 31	8 56	1 6
M14	0n16	17 45	4 19	0 48	2 36	17 8	7 15	22 18	1 20	2 17	1 7	0 49	2 46	2 8	0 44	6 25	1 45	25 45	12 20	5 56	6 13	13 32	8 54	1 6
T 15	0 40	16 2	3 30	0 16	2 22	17 8	7 19	22 25	1 21	2 12	1 7	0 47	2 46	2 7	0 44	6 26	1 45	25 45	12 20	5 56	6 14	13 34	8 52	1 6
W16	1 3	13 30	2 30	0s15	2 8	17 8	7 22	22 31	1 21	2 6	1 7	0 45	2 46	2 6	0 44	6 27	1 45	25 45	12 19	5 56	6 15	13 35	8 50	1 5
T 17	1 27	10 20	1 24	0 46	1 53	17 5	7 25	22 38	1 21	2 0	1 7	0 44	2 46	2 5	0 44	6 28	1 45	25 45	12 19	5 55	6 17	13 37	8 49	1 5
F 18	1 50	6 43	0 15	1 15	1 37	17 2	7 27	22 45	1 21	1 54	1 7	0 42	2 46	2 4	0 44	6 29	1 45	25 45	12 19	5 55	6 18	13 38	8 47	1 5
S 19	2 14	2 52	0s54	1 43	1 21	16 57	7 29	22 51	1 21	1 49	1 7	0 40	2 46	2 3	0 44	6 29	1 45	25 46	12 19	5 55	6 19	13 39	8 45	1 5
S 20	2 37	1n 3	1 59	2 10	1 5	16 50	7 30	22 57	1 21	1 43	1 7	0 38	2 46	2 2	0 44	6 30	1 45	25 46	12 19	5 55	6 20	13 41	8 43	1 4
M21	3 1	4 52	2 58	2 34	0 49	16 42	7 31	23 3	1 21	1 37	1 7	0 36	2 46	2 1	0 44	6 31	1 45	25 46	12 18	5 56	6 22	13 42	8 41	1 4
T 22	3 24	8 27	3 48	2 56	0 33	16 33	7 30	23 9	1 21	1 32	1 7	0 34	2 46	2 0	0 44	6 32	1 45	25 46	12 18	5 58	6 23	13 43	8 39	1 4
W23	3 47	11 40	4 28	3 16	0 18	16 22	7 29	23 15	1 21	1 26	1 7	0 32	2 46	1 59	0 44	6 33	1 45	25 46	12 18	5 59	6 24	13 45	8 37	1 3
T 24	4 11	14 22	4 55	3 34	0 2	16 9	7 27	23 21	1 21	1 20	1 7	0 31	2 46	1 58	0 44	6 34	1 45	25 46	12 18	6 1	6 25	13 46	8 35	1 3
F 25	4 34	16 29	5 11	3 49	0s13	15 55	7 25	23 26	1 21	1 14	1 7	0 29	2 46	1 57	0 44	6 34	1 45	25 47	12 18	6 3	6 26	13 48	8 33	1 3
S 26	4 57	17 53	5 12	4 1	0 27	15 39	7 21	23 31	1 21	1 9	1 7	0 27	2 46	1 56	0 44	6 35	1 45	25 47	12 17	6 4	6 28	13 49	8 30	1 2
S 27	5 20	18 31	5 1	4 11	0 41	15 23	7 17	23 37	1 22	1 3	1 7	0 25	2 46	1 55	0 44	6 36	1 45	25 47	12 17	6 5	6 29	13 50	8 28	1 2
M28	5 42	18 19	4 35	4 18	0 54	15 5	7 12	23 42	1 22	0 57	1 7	0 23	2 46	1 54	0 44	6 37	1 45	25 47	12 17	6 5	6 30	13 52	8 26	1 2
T 29	6 5	17 14	3 57	4 23	1 6	14 45	7 6	23 46	1 22	0 52	1 7	0 22	2 46	1 53	0 44	6 38	1 45	25 47	12 17	6 5	6 31	13 53	8 24	1 1
W30	6 28	15 16	3 6	4 25	1 18	14 25	6 59	23 51	1 22	0 46	1 7	0 20	2 46	1 52	0 44	6 39	1 45	25 47	12 17	6 4	6 33	13 54	8 22	1 1
T 31	6n50	12n28	2s 4	4s25	1s29	14n 4	6n52	23n56	1n22	0s41	1s 8	0s18	2n46	1s51	0n44	6n40	1s45	25n47	12n16	6n 4	6n34	13n56	8s20	1s 1

Julian Day Number = 2165261.5, Delta T = 12m49s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'37, Lahiri = 12°55'38 Julian Calendar 1 March 1216 == Greg. Calendar 8 March 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

APRIL 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 5 52	18♈19'28	4♍59	22♓51	19°R 2	14♊35	1♈ 8	7°R 4	6°R16	21♈10	22°R 1	14♍41	13♍19	23♉ 7	18°R44	F 1
S 2	13 9 48	19°17'56	19° 0	23°26	18♈24	15°12	1°22	6♎59	6♎14	21°12	22♌ 1	14°R42	13°16	23°14	18♎40	S 2
S 3	13 13 45	20°16'23	3♎26	24° 5	17°46	15°48	1°36	6°55	6°11	21°14	22° 0	14°40	13°13	23°20	18°35	S 3
M 4	13 17 41	21°14'48	18°14	24°47	17° 8	16°25	1°50	6°51	6° 9	21°17	21°59	14°37	13° 9	23°27	18°30	M 4
T 5	13 21 38	22°13'11	3♏16	25°33	16°32	17° 1	2° 4	6°46	6° 6	21°19	21°59	14°33	13° 6	23°34	18°26	T 5
W 6	13 25 35	23°11'32	18°22	26°22	15°56	17°38	2°18	6°42	6° 4	21°21	21°58	14°27	13° 3	23°40	18°21	W 6
T 7	13 29 31	24° 9'51	3♐24	27°15	15°21	18°14	2°32	6°38	6° 1	21°23	21°57	14°22	13° 0	23°47	18°17	T 7
F 8	13 33 28	25° 8'09	18°13	28°11	14°48	18°51	2°46	6°33	5°59	21°26	21°57	14°17	12°57	23°54	18°12	F 8
S 9	13 37 24	26° 6'25	2♑42	29° 9	14°16	19°27	3° 0	6°29	5°57	21°28	21°56	14°13	12°54	24° 1	18° 7	S 9
S 10	13 41 21	27° 4'40	16°47	0♈11	13°46	20° 4	3°14	6°25	5°54	21°30	21°56	14°11	12°50	24° 7	18° 3	S 10
M11	13 45 17	28° 2'53	0♒28	1°16	13°17	20°41	3°28	6°21	5°52	21°32	21°56	14°D10	12°47	24°14	17°58	M11
T 12	13 49 14	29° 1'04	13°45	2°23	12°51	21°17	3°41	6°17	5°50	21°35	21°55	14°11	12°44	24°21	17°54	T 12
W13	13 53 10	29°59'14	26°43	3°33	12°27	21°54	3°55	6°13	5°47	21°37	21°55	14°12	12°41	24°27	17°49	W13
T 14	13 57 7	0♉57'23	9♓23	4°45	12° 5	22°30	4° 9	6° 9	5°45	21°39	21°54	14°R13	12°38	24°34	17°45	T 14
F 15	14 1 4	1°55'30	21°49	6° 0	11°45	23° 7	4°23	6° 5	5°43	21°41	21°54	14°13	12°35	24°41	17°40	F 15
S 16	14 5 0	2°53'35	4♈ 4	7°17	11°28	23°44	4°36	6° 1	5°41	21°44	21°54	14°11	12°31	24°48	17°36	S 16
S 17	14 8 57	3°51'39	16°11	8°36	11°13	24°20	4°50	5°57	5°38	21°46	21°53	14° 7	12°28	24°54	17°32	S 17
M18	14 12 53	4°49'42	28°12	9°58	11° 0	24°57	5° 3	5°53	5°36	21°48	21°53	14° 0	12°25	25° 1	17°27	M18
T 19	14 16 50	5°47'42	10♉ 8	11°22	10°50	25°34	5°17	5°50	5°34	21°50	21°53	13°51	12°22	25° 8	17°23	T 19
W20	14 20 46	6°45'42	22° 1	12°48	10°43	26°10	5°30	5°46	5°32	21°52	21°53	13°42	12°19	25°14	17°19	W20
T 21	14 24 43	7°43'39	3♊53	14°16	10°37	26°47	5°44	5°42	5°30	21°55	21°53	13°31	12°15	25°21	17°15	T 21
F 22	14 28 39	8°41'35	15°44	15°47	10°35	27°24	5°57	5°39	5°28	21°57	21°52	13°21	12°12	25°28	17°11	F 22
S 23	14 32 36	9°39'29	27°39	17°19	10°D34	28° 0	6°10	5°35	5°26	21°59	21°52	13°13	12° 9	25°35	17° 7	S 23
S 24	14 36 33	10°37'21	9♋39	18°54	10°36	28°37	6°23	5°32	5°24	22° 1	21°52	13° 6	12° 6	25°41	17° 3	S 24
M25	14 40 29	11°35'12	21°48	20°31	10°40	29°14	6°36	5°29	5°22	22° 3	21°52	13° 2	12° 3	25°48	16°59	M25
T 26	14 44 26	12°33'01	4♌10	22° 9	10°46	29°51	6°50	5°25	5°20	22° 5	21°D52	13° 0	12° 0	25°55	16°55	T 26
W27	14 48 22	13°30'48	16°50	23°50	10°55	0♋27	7° 3	5°22	5°18	22° 8	21°52	12°D59	11°56	26° 1	16°51	W27
T 28	14 52 19	14°28'33	29°52	25°33	11° 6	1° 4	7°15	5°19	5°16	22°10	21°52	13° 0	11°53	26° 8	16°47	T 28
F 29	14 56 15	15°26'17	13♍19	27°18	11°18	1°41	7°28	5°16	5°15	22°12	21°52	13°R 0	11°50	26°15	16°44	F 29
S 30	15 0 12	16♉23'59	27♍14	29♈ 5	11♈33	2♋18	7♈41	5♎13	5♎13	22♈14	21♌52	13♍ 0	11♍47	26♉22	16♎40	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n13	8n54	0s53	4s23	1s40	13n41	6n43	24n 0	1n22	0s35	1s 8	0s16	2n46	1s50	0n44	6n40	1s45	25n47	12n16	6n 3	6n35	13n57	8s18	1s 0
S 2	7 35	4 44	0n23	4 18	1 50	13 18	6 34	24 4	1 22	0 29	1 8	0 15	2 46	1 49	0 44	6 41	1 45	25 47	12 16	6 3	6 36	13 58	8 16	1 0
S 3	7 57	0 10	1 40	4 11	1 59	12 54	6 24	24 8	1 22	0 24	1 8	0 13	2 46	1 48	0 44	6 42	1 45	25 47	12 16	6 4	6 37	14 0	8 14	1 0
M 4	8 19	4s31	2 52	4 1	2 7	12 30	6 14	24 12	1 22	0 18	1 8	0 11	2 46	1 47	0 44	6 43	1 45	25 47	12 15	6 5	6 39	14 1	8 12	0 59
T 5	8 41	8 59	3 54	3 50	2 15	12 6	6 3	24 16	1 22	0 13	1 8	0 10	2 46	1 46	0 44	6 44	1 45	25 47	12 15	6 6	6 40	14 2	8 10	0 59
W 6	9 3	12 54	4 39	3 37	2 22	11 41	5 51	24 19	1 22	0 7	1 8	0 8	2 46	1 45	0 44	6 45	1 45	25 47	12 15	6 9	6 41	14 4	8 7	0 58
T 7	9 25	15 56	5 4	3 22	2 28	11 16	5 39	24 23	1 22	0 2	1 8	0 6	2 46	1 44	0 44	6 45	1 45	25 47	12 15	6 11	6 42	14 5	8 5	0 58
F 8	9 46	17 53	5 9	3 4	2 33	10 51	5 26	24 26	1 22	0n 4	1 8	0 5	2 46	1 43	0 43	6 46	1 45	25 47	12 14	6 13	6 44	14 7	8 3	0 58
S 9	10 7	18 37	4 54	2 45	2 38	10 27	5 13	24 29	1 22	0 9	1 8	0 3	2 46	1 42	0 43	6 47	1 45	25 47	12 14	6 14	6 45	14 8	8 1	0 57
S 10	10 28	18 9	4 21	2 24	2 43	10 3	4 59	24 32	1 22	0 15	1 8	0 1	2 46	1 41	0 43	6 48	1 45	25 47	12 14	6 15	6 46	14 9	7 59	0 57
M11	10 49	16 38	3 35	2 2	2 46	9 39	4 46	24 34	1 22	0 20	1 8	0n 0	2 45	1 40	0 43	6 49	1 45	25 47	12 14	6 15	6 47	14 11	7 57	0 57
T 12	11 10	14 15	2 37	1 38	2 49	9 16	4 32	24 37	1 22	0 26	1 8	0 2	2 45	1 40	0 43	6 50	1 45	25 46	12 13	6 15	6 48	14 12	7 55	0 56
W13	11 31	11 12	1 33	1 12	2 51	8 53	4 18	24 39	1 22	0 31	1 8	0 3	2 45	1 39	0 43	6 51	1 45	25 46	12 13	6 14	6 50	14 13	7 53	0 56
T 14	11 51	7 41	0 26	0 45	2 53	8 32	4 4	24 41	1 22	0 36	1 9	0 5	2 45	1 38	0 43	6 51	1 45	25 46	12 13	6 14	6 51	14 15	7 51	0 56
F 15	12 12	3 53	0s41	0 16	2 54	8 11	3 49	24 43	1 22	0 42	1 9	0 6	2 45	1 37	0 43	6 52	1 45	25 46	12 12	6 14	6 52	14 16	7 49	0 55
S 16	12 32	0n 1	1 45	0n14	2 54	7 51	3 35	24 45	1 22	0 47	1 9	0 7	2 45	1 36	0 43	6 53	1 45	25 46	12 12	6 15	6 53	14 17	7 47	0 55
S 17	12 51	3 53	2 43	0 46	2 54	7 32	3 21	24 47	1 22	0 53	1 9	0 9	2 45	1 35	0 43	6 54	1 45	25 46	12 12	6 17	6 55	14 19	7 45	0 54
M18	13 11	7 33	3 34	1 19	2 53	7 14	3 7	24 48	1 22	0 58	1 9	0 10	2 45	1 34	0 43	6 55	1 45	25 46	12 12	6 19	6 56	14 20	7 43	0 54
T 19	13 30	10 53	4 15	1 53	2 52	6 57	2 53	24 50	1 22	1 3	1 9	0 12	2 45	1 34	0 43	6 55	1 45	25 45	12 11	6 22	6 57	14 21	7 41	0 54
W20	13 50	13 46	4 44	2 28	2 50	6 42	2 39	24 51	1 22	1 8	1 9	0 13	2 44	1 33	0 43	6 56	1 45	25 45	12 11	6 26	6 58	14 22	7 39	0 53
T 21	14 9	16 5	5 1	3 5	2 47	6 27	2 25	24 52	1 22	1 14	1 9	0 14	2 44	1 32	0 43	6 57	1 45	25 45	12 11	6 30	6 59	14 24	7 37	0 53
F 22	14 27	17 43	5 5	3 43	2 44	6 14	2 12	24 52	1 22	1 19	1 9	0 15	2 44	1 31	0 43	6 58	1 45	25 45	12 11	6 34	7 1	14 25	7 35	0 52
S 23	14 46	18 36	4 56	4 22	2 40	6 1	1 59	24 53	1 22	1 24	1 9	0 17	2 44	1 30	0 43	6 59	1 45	25 45	12 10	6 37	7 2	14 26	7 33	0 52
S 24	15 4	18 39	4 33	5 2	2 36	5 50	1 46	24 53	1 22	1 29	1 9	0 18	2 44	1 30	0 43	6 59	1 45	25 44	12 10	6 40	7 3	14 28	7 31	0 52
M25	15 22	17 50	3 58	5 43	2 31	5 40	1 33	24 54	1 21	1 34	1 10	0 19	2 44	1 29	0 43	7 0	1 45	25 44	12 10	6 42	7 4	14 29	7 29	0 51
T 26	15 40	16 11	3 12	6 25	2 26	5 31	1 21	24 54	1 21	1 39	1 10	0 20	2 43	1 28	0 43	7 1	1 45	25 44	12 9	6 42	7 6	14 30	7 27	0 51
W27	15 58	13 42	2 15	7 7	2 20	5 24	1 9	24 54	1 21	1 44	1 10	0 21	2 43	1 27	0 43	7 2	1 45	25 43	12 9	6 43	7 7	14 32	7 25	0 51
T 28	16 15	10 29	1 10	7 51	2 13	5 17	0 57	24 53	1 21	1 49	1 10	0 22	2 43	1 27	0 43	7 3	1 45	25 43	12 9	6 42	7 8	14 33	7 24	0 50
F 29	16 32	6 37	0n 2	8 35	2 6	5 12	0 46	24 53	1 21	1 54	1 10	0 23	2 43	1 26	0 43	7 3	1 45	25 43	12 8	6 42	7 9	14 34	7 22	0 50
S 30	16n49	2n15	1n15	9n20	1s59	5n 7	0n35	24n52	1n21	1n59	1s10	0n24	2n43	1s25	0n43	7n 4	1s45	25n43	12n 8	6n42	7n10	14n36	7s20	0s49

Julian Day Number = 2165292.5, Delta T = 12m49s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'41, Lahiri = 12°55'42 Julian Calendar 1 Apr. 1216 == Greg. Calendar 8 Apr. 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

MAY 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 4 8	17♉21'39	11♎38	0♉54	11♈50	2♋55	7♈54	5°R11	5°R11	22♈16	21♌53	12°R57	11♍44	26♉28	16°R36	S 1
M 2	15 8 5	18°19'18	26°28	2°46	12° 8	3°31	8° 7	5♎ 8	5♎10	22°18	21°53	12♍52	11°40	26°35	16♎33	M 2
T 3	15 12 1	19°16'55	11♏37	4°39	12°29	4° 8	8°19	5° 5	5° 8	22°20	21°53	12°44	11°37	26°42	16°30	T 3
W 4	15 15 58	20°14'32	26°56	6°34	12°51	4°45	8°32	5° 3	5° 6	22°22	21°53	12°35	11°34	26°48	16°26	W 4
T 5	15 19 55	21°12'06	12♐13	8°32	13°15	5°22	8°44	5° 0	5° 5	22°24	21°53	12°25	11°31	26°55	16°23	T 5
F 6	15 23 51	22° 9'40	27°18	10°31	13°40	5°59	8°57	4°58	5° 3	22°26	21°54	12°16	11°28	27° 2	16°20	F 6
S 7	15 27 48	23° 7'13	12♑ 1	12°32	14° 8	6°35	9° 9	4°55	5° 2	22°28	21°54	12° 9	11°25	27° 9	16°17	S 7
S 8	15 31 44	24° 4'45	26°17	14°35	14°36	7°12	9°21	4°53	5° 0	22°30	21°54	12° 4	11°21	27°15	16°14	S 8
M 9	15 35 41	25° 2'16	10♒ 5	16°40	15° 7	7°49	9°34	4°51	4°59	22°32	21°55	12° 1	11°18	27°22	16°11	M 9
T 10	15 39 37	25°59'46	23°25	18°46	15°38	8°26	9°46	4°49	4°58	22°34	21°55	12°D 0	11°15	27°29	16° 8	T 10
W11	15 43 34	26°57'15	6♓20	20°54	16°11	9° 3	9°58	4°47	4°56	22°36	21°56	12°R 0	11°12	27°36	16° 5	W11
T 12	15 47 31	27°54'44	18°54	23° 3	16°46	9°40	10°10	4°45	4°55	22°38	21°56	12° 0	11° 9	27°42	16° 3	T 12
F 13	15 51 27	28°52'11	1♈12	25°14	17°21	10°17	10°22	4°43	4°54	22°40	21°56	11°59	11° 6	27°49	16° 0	F 13
S 14	15 55 24	29°49'38	13°19	27°25	17°58	10°54	10°33	4°42	4°53	22°42	21°57	11°55	11° 2	27°56	15°58	S 14
S 15	15 59 20	0♊47'04	25°18	29°36	18°36	11°31	10°45	4°40	4°52	22°44	21°58	11°49	10°59	28° 2	15°55	S 15
M16	16 3 17	1°44'29	7♉12	1♊48	19°15	12° 8	10°57	4°38	4°51	22°46	21°58	11°40	10°56	28° 9	15°53	M16
T 17	16 7 13	2°41'54	19° 4	4° 0	19°55	12°45	11° 8	4°37	4°50	22°48	21°59	11°28	10°53	28°16	15°51	T 17
W18	16 11 10	3°39'17	0♊55	6°12	20°37	13°22	11°20	4°36	4°49	22°49	21°59	11°15	10°50	28°23	15°49	W18
T 19	16 15 6	4°36'40	12°48	8°23	21°19	13°59	11°31	4°34	4°48	22°51	22° 0	11° 1	10°46	28°29	15°47	T 19
F 20	16 19 3	5°34'02	24°43	10°34	22° 2	14°36	11°42	4°33	4°47	22°53	22° 1	10°48	10°43	28°36	15°45	F 20
S 21	16 23 0	6°31'23	6♋42	12°43	22°46	15°13	11°54	4°32	4°46	22°55	22° 1	10°36	10°40	28°43	15°43	S 21
S 22	16 26 56	7°28'43	18°47	14°52	23°31	15°50	12° 5	4°31	4°46	22°56	22° 2	10°26	10°37	28°49	15°41	S 22
M23	16 30 53	8°26'03	1♌ 1	16°59	24°17	16°27	12°16	4°31	4°45	22°58	22° 3	10°20	10°34	28°56	15°40	M23
T 24	16 34 49	9°23'21	13°26	19° 4	25° 3	17° 4	12°26	4°30	4°44	23° 0	22° 4	10°16	10°31	29° 3	15°38	T 24
W25	16 38 46	10°20'38	26° 6	21° 8	25°51	17°41	12°37	4°29	4°44	23° 2	22° 5	10°14	10°27	29°10	15°37	W25
T 26	16 42 42	11°17'55	9♍ 5	23° 9	26°39	18°18	12°48	4°29	4°43	23° 3	22° 5	10°14	10°24	29°16	15°36	T 26
F 27	16 46 39	12°15'10	22°26	25° 9	27°28	18°55	12°58	4°28	4°43	23° 5	22° 6	10°14	10°21	29°23	15°35	F 27
S 28	16 50 35	13°12'25	6♎13	27° 7	28°17	19°32	13° 9	4°28	4°42	23° 6	22° 7	10°13	10°18	29°30	15°34	S 28
S 29	16 54 32	14° 9'38	20°27	29° 2	29° 8	20° 9	13°19	4°28	4°42	23° 8	22° 8	10° 9	10°15	29°36	15°33	S 29
M30	16 58 29	15° 6'51	5♏ 6	0♋55	29°59	20°46	13°30	4°28	4°41	23°10	22° 9	10° 4	10°12	29°43	15°32	M30
T 31	17 2 25	16♊ 4'04	20♏ 7	2♋46	0♉50	21♋23	13♈40	4°D27	4♎41	23♈11	22♌10	9♍56	10♍ 8	29♉50	15♎31	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 5	2s23	2n26	10n 6	1s51	5n 4	0n24	24n51	1n21	2n 4	1s10	0n25	2n43	1s25	0n43	7n 5	1s45	25n42	12n 8	6n44	7n12	14n37	7s18	0s49
M 2	17 21	7 0	3 30	10 52	1 43	5 1	0 13	24 50	1 21	2 9	1 10	0 26	2 42	1 24	0 43	7 6	1 45	25 42	12 8	6 46	7 13	14 38	7 17	0 49
T 3	17 37	11 16	4 20	11 39	1 34	5 0	0 3	24 49	1 21	2 14	1 11	0 27	2 42	1 24	0 43	7 6	1 45	25 42	12 7	6 48	7 14	14 39	7 15	0 48
W 4	17 53	14 49	4 51	12 25	1 25	5 0	0s 7	24 48	1 21	2 19	1 11	0 28	2 42	1 23	0 43	7 7	1 45	25 41	12 7	6 52	7 15	14 41	7 13	0 48
T 5	18 8	17 21	5 2	13 13	1 16	5 0	0 16	24 46	1 21	2 24	1 11	0 29	2 42	1 22	0 43	7 8	1 45	25 41	12 7	6 56	7 16	14 42	7 12	0 47
F 6	18 23	18 38	4 52	14 0	1 6	5 2	0 25	24 45	1 21	2 28	1 11	0 30	2 42	1 22	0 43	7 9	1 45	25 40	12 6	6 59	7 18	14 43	7 10	0 47
S 7	18 38	18 38	4 23	14 47	0 56	5 4	0 34	24 43	1 21	2 33	1 11	0 30	2 41	1 21	0 43	7 9	1 45	25 40	12 6	7 2	7 19	14 45	7 9	0 47
S 8	18 52	17 25	3 38	15 33	0 46	5 7	0 43	24 41	1 20	2 38	1 11	0 31	2 41	1 21	0 43	7 10	1 45	25 40	12 6	7 4	7 20	14 46	7 7	0 46
M 9	19 6	15 13	2 41	16 19	0 35	5 12	0 51	24 39	1 20	2 43	1 11	0 32	2 41	1 20	0 43	7 11	1 45	25 39	12 6	7 5	7 21	14 47	7 6	0 46
T 10	19 20	12 15	1 37	17 5	0 25	5 16	0 59	24 36	1 20	2 47	1 11	0 32	2 41	1 20	0 43	7 11	1 45	25 39	12 5	7 5	7 23	14 49	7 4	0 45
W11	19 33	8 46	0 30	17 50	0 14	5 22	1 7	24 34	1 20	2 52	1 12	0 33	2 41	1 19	0 43	7 12	1 45	25 39	12 5	7 5	7 24	14 50	7 3	0 45
T 12	19 47	4 58	0s37	18 34	0 3	5 29	1 14	24 31	1 20	2 56	1 12	0 33	2 40	1 19	0 43	7 13	1 45	25 38	12 5	7 5	7 25	14 51	7 1	0 45
F 13	19 59	1 3	1 40	19 16	0n 7	5 36	1 21	24 28	1 20	3 1	1 12	0 34	2 40	1 18	0 42	7 13	1 45	25 38	12 4	7 6	7 26	14 52	7 0	0 44
S 14	20 12	2n52	2 38	19 57	0 18	5 43	1 28	24 25	1 20	3 6	1 12	0 34	2 40	1 18	0 42	7 14	1 45	25 37	12 4	7 7	7 27	14 54	6 59	0 44
S 15	20 24	6 36	3 28	20 36	0 28	5 52	1 34	24 22	1 20	3 10	1 12	0 35	2 40	1 18	0 42	7 15	1 45	25 37	12 4	7 10	7 29	14 55	6 57	0 43
M16	20 36	10 4	4 8	21 14	0 38	6 1	1 41	24 18	1 20	3 14	1 12	0 35	2 39	1 17	0 42	7 15	1 45	25 36	12 4	7 13	7 30	14 56	6 56	0 43
T 17	20 47	13 6	4 38	21 49	0 48	6 11	1 46	24 15	1 20	3 19	1 13	0 36	2 39	1 17	0 42	7 16	1 46	25 36	12 3	7 17	7 31	14 57	6 55	0 43
W18	20 58	15 37	4 55	22 22	0 57	6 21	1 52	24 11	1 19	3 23	1 13	0 36	2 39	1 16	0 42	7 17	1 46	25 35	12 3	7 23	7 32	14 59	6 54	0 42
T 19	21 9	17 28	5 0	22 53	1 6	6 32	1 58	24 7	1 19	3 27	1 13	0 36	2 39	1 16	0 42	7 17	1 46	25 35	12 3	7 28	7 33	15 0	6 53	0 42
F 20	21 19	18 35	4 51	23 21	1 14	6 43	2 3	24 3	1 19	3 32	1 13	0 36	2 39	1 16	0 42	7 18	1 46	25 34	12 2	7 33	7 35	15 1	6 52	0 41
S 21	21 29	18 53	4 30	23 46	1 22	6 55	2 8	23 59	1 19	3 36	1 13	0 37	2 38	1 16	0 42	7 19	1 46	25 34	12 2	7 37	7 36	15 2	6 50	0 41
S 22	21 39	18 19	3 56	24 9	1 29	7 7	2 12	23 54	1 19	3 40	1 13	0 37	2 38	1 15	0 42	7 19	1 46	25 33	12 2	7 41	7 37	15 4	6 49	0 41
M23	21 48	16 54	3 11	24 29	1 36	7 20	2 17	23 49	1 19	3 44	1 14	0 37	2 38	1 15	0 42	7 20	1 46	25 33	12 2	7 44	7 38	15 5	6 48	0 40
T 24	21 57	14 41	2 17	24 46	1 41	7 33	2 21	23 45	1 19	3 48	1 14	0 37	2 38	1 15	0 42	7 20	1 46	25 32	12 1	7 45	7 39	15 6	6 48	0 40
W25	22 6	11 43	1 14	25 1	1 46	7 46	2 25	23 40	1 18	3 52	1 14	0 37	2 37	1 15	0 42	7 21	1 46	25 32	12 1	7 46	7 41	15 8	6 47	0 39
T 26	22 14	8 6	0 6	25 12	1 51	8 0	2 29	23 35	1 18	3 56	1 14	0 37	2 37	1 14	0 42	7 22	1 46	25 31	12 1	7 46	7 42	15 9	6 46	0 39
F 27	22 21	4 0	1n 4	25 21	1 54	8 15	2 32	23 29	1 18	4 0	1 14	0 37	2 37	1 14	0 42	7 22	1 46	25 31	12 1	7 46	7 43	15 10	6 45	0 39
S 28	22 29	0s27	2 13	25 27	1 57	8 29	2 36	23 24	1 18	4 4	1 14	0 37	2 37	1 14	0 42	7 23	1 46	25 30	12 0	7 46	7 44	15 11	6 44	0 38
S 29	22 36	5 0	3 15	25 31	1 59	8 44	2 39	23 18	1 18	4 8	1 15	0 37	2 36	1 14	0 42	7 23	1 46	25 30	12 0	7 47	7 45	15 12	6 43	0 38
M30	22 42	9 24	4 7	25 33	2 1	8 59	2 42	23 12	1 18	4 12	1 15	0 36	2 36	1 14	0 42	7 24	1 46	25 29	12 0	7 50	7 47	15 14	6 43	0 37
T 31	22n48	13s18	4n43	25n32	2n 1	9n14	2s45	23n 6	1n18	4n16	1s15	0n36	2n36	1s14	0n42	7n24	1s46	25n28	11n59	7n53	7n48	15n15	6s42	0s37

Julian Day Number = 2165322.5, Delta T = 12m48s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'45, Lahiri = 12°55'46 Julian Calendar 1 May 1216 == Greg. Calendar 8 May 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

JUNE 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 6 22	17♊ 1'15	5♐21	4♋35	1♉42	22♋ 0	13♈50	4♎28	4°R41	23♈13	22♌11	9°R46	10♍ 5	29♉57	15°R30	W 1
T 2	17 10 18	17°58'27	20°38	6°22	2°35	22°37	14° 0	4°28	4♎41	23°14	22°12	9♍35	10° 2	0♊ 3	15♎30	T 2
F 3	17 14 15	18°55'38	5♑46	8° 6	3°28	23°15	14° 9	4°28	4°41	23°16	22°13	9°25	9°59	0°10	15°29	F 3
S 4	17 18 11	19°52'48	20°35	9°47	4°22	23°52	14°19	4°28	4°40	23°17	22°14	9°17	9°56	0°17	15°29	S 4
S 5	17 22 8	20°49'59	4♒59	11°27	5°17	24°29	14°29	4°29	4°D40	23°18	22°15	9°11	9°52	0°24	15°29	S 5
M 6	17 26 4	21°47'09	18°54	13° 4	6°11	25° 6	14°38	4°29	4°40	23°20	22°17	9° 7	9°49	0°30	15°D29	M 6
T 7	17 30 1	22°44'19	2♓19	14°39	7° 7	25°43	14°48	4°30	4°40	23°21	22°18	9° 6	9°46	0°37	15°29	T 7
W 8	17 33 58	23°41'30	15°18	16°11	8° 3	26°20	14°57	4°31	4°41	23°23	22°19	9°D 6	9°43	0°44	15°29	W 8
T 9	17 37 54	24°38'40	27°53	17°41	8°59	26°58	15° 6	4°32	4°41	23°24	22°20	9°R 6	9°40	0°50	15°29	T 9
F 10	17 41 51	25°35'50	10♈11	19° 9	9°56	27°35	15°15	4°33	4°41	23°25	22°21	9° 5	9°37	0°57	15°30	F 10
S 11	17 45 47	26°33'01	22°16	20°34	10°53	28°12	15°24	4°34	4°41	23°26	22°23	9° 2	9°33	1° 4	15°30	S 11
S 12	17 49 44	27°30'12	4♉12	21°57	11°51	28°49	15°32	4°35	4°42	23°28	22°24	8°57	9°30	1°11	15°31	S 12
M13	17 53 40	28°27'23	16° 4	23°17	12°49	29°27	15°41	4°36	4°42	23°29	22°25	8°49	9°27	1°17	15°31	M13
T 14	17 57 37	29°24'34	27°55	24°35	13°47	0♌ 4	15°49	4°37	4°42	23°30	22°27	8°39	9°24	1°24	15°32	T 14
W15	18 1 33	0♋21'45	9♊47	25°50	14°46	0°41	15°58	4°39	4°43	23°31	22°28	8°28	9°21	1°31	15°33	W15
T 16	18 5 30	1°18'56	21°43	27° 3	15°45	1°19	16° 6	4°40	4°44	23°32	22°29	8°15	9°18	1°38	15°34	T 16
F 17	18 9 27	2°16'08	3♋45	28°13	16°45	1°56	16°14	4°42	4°44	23°33	22°31	8° 3	9°14	1°44	15°35	F 17
S 18	18 13 23	3°13'19	15°53	29°20	17°45	2°33	16°22	4°44	4°45	23°34	22°32	7°53	9°11	1°51	15°36	S 18
S 19	18 17 20	4°10'31	28° 9	0♌24	18°45	3°11	16°30	4°46	4°45	23°35	22°33	7°45	9° 8	1°58	15°38	S 19
M20	18 21 16	5° 7'43	10♌33	1°26	19°45	3°48	16°37	4°48	4°46	23°36	22°35	7°39	9° 5	2° 4	15°39	M20
T 21	18 25 13	6° 4'54	23° 8	2°24	20°46	4°25	16°45	4°50	4°47	23°37	22°36	7°36	9° 2	2°11	15°41	T 21
W22	18 29 9	7° 2'06	5♍57	3°19	21°47	5° 3	16°52	4°52	4°48	23°38	22°38	7°D35	8°58	2°18	15°42	W22
T 23	18 33 6	7°59'18	19° 0	4°11	22°48	5°40	16°59	4°54	4°49	23°39	22°39	7°35	8°55	2°25	15°44	T 23
F 24	18 37 2	8°56'29	2♎22	5° 0	23°50	6°18	17° 6	4°56	4°50	23°40	22°41	7°R36	8°52	2°31	15°46	F 24
S 25	18 40 59	9°53'41	16° 5	5°45	24°52	6°55	17°13	4°59	4°51	23°41	22°43	7°36	8°49	2°38	15°48	S 25
S 26	18 44 56	10°50'53	0♏ 9	6°26	25°54	7°33	17°20	5° 1	4°52	23°42	22°44	7°34	8°46	2°45	15°50	S 26
M27	18 48 52	11°48'04	14°34	7° 3	26°57	8°10	17°26	5° 4	4°53	23°42	22°46	7°31	8°43	2°51	15°52	M27
T 28	18 52 49	12°45'17	29°18	7°37	28° 0	8°48	17°33	5° 6	4°54	23°43	22°47	7°25	8°39	2°58	15°54	T 28
W29	18 56 45	13°42'29	14♐14	8° 6	29° 3	9°25	17°39	5° 9	4°55	23°44	22°49	7°18	8°36	3° 5	15°57	W29
T 30	19 0 42	14♋39'42	29♐14	8♌32	0♊ 6	10♌ 3	17♈45	5♎12	4♎57	23♈45	22♌51	7♍10	8♍33	3♊12	15♎59	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n54	16s22	5n 0	25n29	2n 1	9n30	2s47	23n 0	1n17	4n19	1s15	0n36	2n36	1s14	0n42	7n25	1s46	25n28	11n59	7n56	7n49	15n16	6s41	0s37
T 2	23 0	18 18	4 55	25 23	2 0	9 46	2 50	22 54	1 17	4 23	1 15	0 36	2 35	1 14	0 42	7 25	1 46	25 27	11 59	8 0	7 50	15 17	6 41	0 36
F 3	23 4	18 55	4 30	25 16	1 59	10 2	2 52	22 48	1 17	4 27	1 16	0 35	2 35	1 14	0 42	7 26	1 46	25 27	11 59	8 4	7 51	15 19	6 40	0 36
S 4	23 9	18 13	3 47	25 7	1 57	10 18	2 54	22 41	1 17	4 30	1 16	0 35	2 35	1 14	0 42	7 26	1 46	25 26	11 58	8 7	7 53	15 20	6 40	0 35
S 5	23 13	16 21	2 50	24 56	1 54	10 35	2 55	22 34	1 17	4 34	1 16	0 35	2 35	1 14	0 42	7 27	1 46	25 25	11 58	8 10	7 54	15 21	6 39	0 35
M 6	23 17	13 34	1 45	24 44	1 50	10 51	2 57	22 27	1 17	4 37	1 16	0 34	2 34	1 14	0 42	7 27	1 46	25 25	11 58	8 11	7 55	15 22	6 39	0 35
T 7	23 20	10 8	0 36	24 29	1 46	11 8	2 58	22 20	1 16	4 41	1 16	0 34	2 34	1 14	0 41	7 28	1 46	25 24	11 58	8 11	7 56	15 24	6 39	0 34
W 8	23 23	6 19	0s33	24 14	1 42	11 25	3 0	22 13	1 16	4 44	1 17	0 33	2 34	1 14	0 41	7 28	1 47	25 24	11 58	8 11	7 57	15 25	6 38	0 34
T 9	23 26	2 20	1 38	23 57	1 36	11 42	3 1	22 6	1 16	4 48	1 17	0 33	2 34	1 14	0 41	7 28	1 47	25 23	11 57	8 11	7 59	15 26	6 38	0 33
F 10	23 28	1n39	2 37	23 39	1 30	11 59	3 2	21 58	1 16	4 51	1 17	0 32	2 33	1 14	0 41	7 29	1 47	25 22	11 57	8 12	8 0	15 27	6 38	0 33
S 11	23 30	5 29	3 28	23 20	1 24	12 16	3 3	21 51	1 16	4 54	1 17	0 31	2 33	1 14	0 41	7 29	1 47	25 22	11 57	8 13	8 1	15 28	6 38	0 33
S 12	23 31	9 4	4 9	23 0	1 17	12 33	3 3	21 43	1 16	4 57	1 17	0 31	2 33	1 15	0 41	7 30	1 47	25 21	11 57	8 15	8 2	15 30	6 38	0 32
M13	23 32	12 16	4 39	22 39	1 9	12 50	3 4	21 35	1 15	5 0	1 18	0 30	2 33	1 15	0 41	7 30	1 47	25 20	11 56	8 18	8 3	15 31	6 38	0 32
T 14	23 32	14 57	4 57	22 17	1 1	13 7	3 4	21 27	1 15	5 3	1 18	0 29	2 32	1 15	0 41	7 31	1 47	25 20	11 56	8 21	8 5	15 32	6 38	0 32
W15	23 32	17 2	5 2	21 55	0 52	13 24	3 4	21 18	1 15	5 6	1 18	0 28	2 32	1 15	0 41	7 31	1 47	25 19	11 56	8 26	8 6	15 33	6 38	0 31
T 16	23 32	18 24	4 54	21 32	0 43	13 41	3 4	21 10	1 15	5 9	1 18	0 27	2 32	1 15	0 41	7 31	1 47	25 18	11 56	8 30	8 7	15 35	6 38	0 31
F 17	23 31	18 57	4 33	21 9	0 33	13 58	3 4	21 1	1 15	5 12	1 18	0 27	2 32	1 16	0 41	7 32	1 47	25 18	11 56	8 35	8 8	15 36	6 38	0 30
S 18	23 30	18 38	3 59	20 45	0 23	14 15	3 4	20 53	1 14	5 15	1 19	0 26	2 31	1 16	0 41	7 32	1 47	25 17	11 55	8 39	8 9	15 37	6 38	0 30
S 19	23 28	17 27	3 14	20 21	0 12	14 32	3 4	20 44	1 14	5 18	1 19	0 25	2 31	1 16	0 41	7 32	1 47	25 16	11 55	8 42	8 11	15 38	6 38	0 30
M20	23 26	15 26	2 19	19 57	0 1	14 49	3 3	20 35	1 14	5 21	1 19	0 24	2 31	1 17	0 41	7 33	1 47	25 16	11 55	8 44	8 12	15 39	6 38	0 29
T 21	23 24	12 40	1 16	19 33	0s10	15 5	3 2	20 26	1 14	5 23	1 19	0 23	2 31	1 17	0 41	7 33	1 47	25 15	11 55	8 45	8 13	15 40	6 38	0 29
W22	23 21	9 14	0 9	19 8	0 22	15 22	3 2	20 16	1 14	5 26	1 20	0 22	2 30	1 17	0 41	7 33	1 47	25 14	11 55	8 46	8 14	15 42	6 39	0 29
T 23	23 18	5 18	1n 1	18 44	0 34	15 38	3 1	20 7	1 13	5 28	1 20	0 21	2 30	1 18	0 41	7 33	1 47	25 14	11 54	8 46	8 15	15 43	6 39	0 28
F 24	23 14	1 1	2 9	18 20	0 47	15 54	3 0	19 57	1 13	5 31	1 20	0 19	2 30	1 18	0 41	7 34	1 47	25 13	11 54	8 45	8 17	15 44	6 39	0 28
S 25	23 10	3s25	3 11	17 57	1 0	16 10	2 59	19 48	1 13	5 33	1 20	0 18	2 30	1 19	0 41	7 34	1 48	25 12	11 54	8 45	8 18	15 45	6 40	0 27
S 26	23 6	7 46	4 3	17 34	1 13	16 26	2 58	19 38	1 13	5 36	1 21	0 17	2 29	1 19	0 41	7 34	1 48	25 11	11 54	8 46	8 19	15 46	6 40	0 27
M27	23 1	11 47	4 42	17 12	1 26	16 42	2 56	19 28	1 13	5 38	1 21	0 16	2 29	1 20	0 41	7 34	1 48	25 11	11 54	8 47	8 20	15 48	6 41	0 27
T 28	22 55	15 9	5 3	16 50	1 40	16 57	2 55	19 18	1 12	5 40	1 21	0 14	2 29	1 20	0 41	7 35	1 48	25 10	11 54	8 49	8 21	15 49	6 41	0 26
W29	22 50	17 35	5 4	16 29	1 54	17 13	2 53	19 8	1 12	5 42	1 21	0 13	2 29	1 21	0 41	7 35	1 48	25 9	11 53	8 52	8 23	15 50	6 42	0 26
T 30	22n44	18s48	4n44	16n 9	2s 8	17n27	2s52	18n57	1n12	5n44	1s21	0n12	2n28	1s21	0n41	7n35	1s48	25n 9	11n53	8n55	8n24	15n51	6s43	0s26

Julian Day Number = 2165353.5, Delta T = 12m48s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'50, Lahiri = 12°55'50 Julian Calendar 1 June 1216 == Greg. Calendar 8 June 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

JULY 1216 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 4 38	15♋36'55	14♉10	8♌53	1♊ 9	10♌40	17♈51	5♎15	4♎58	23♈45	22♌52	7°R 2	8♍30	3♊18	16♎ 2	F 1
S 2	19 8 35	16°34'08	28°51	9° 9	2°13	11°18	17°57	5°18	4°59	23°46	22°54	6♍56	8°27	3°25	16° 5	S 2
S 3	19 12 31	17°31'23	13♒12	9°20	3°17	11°55	18° 2	5°21	5° 1	23°47	22°56	6°52	8°24	3°32	16° 7	S 3
M 4	19 16 28	18°28'38	27° 7	9°27	4°21	12°33	18° 8	5°24	5° 2	23°47	22°57	6°50	8°20	3°39	16°10	M 4
T 5	19 20 25	19°25'53	10♓35	9°R29	5°25	13°11	18°13	5°27	5° 4	23°48	22°59	6°D49	8°17	3°45	16°13	T 5
W 6	19 24 21	20°23'10	23°38	9°26	6°30	13°48	18°18	5°31	5° 5	23°48	23° 1	6°50	8°14	3°52	16°16	W 6
T 7	19 28 18	21°20'28	6♈17	9°18	7°35	14°26	18°23	5°34	5° 7	23°49	23° 3	6°52	8°11	3°59	16°20	T 7
F 8	19 32 14	22°17'46	18°38	9° 4	8°40	15° 3	18°28	5°38	5° 9	23°49	23° 4	6°R52	8° 8	4° 5	16°23	F 8
S 9	19 36 11	23°15'06	0♉44	8°46	9°45	15°41	18°33	5°41	5°10	23°49	23° 6	6°52	8° 4	4°12	16°26	S 9
S 10	19 40 7	24°12'27	12°41	8°23	10°50	16°19	18°37	5°45	5°12	23°50	23° 8	6°50	8° 1	4°19	16°30	S 10
M11	19 44 4	25° 9'48	24°34	7°56	11°56	16°57	18°41	5°49	5°14	23°50	23°10	6°47	7°58	4°26	16°33	M11
T 12	19 48 0	26° 7'11	6♊26	7°24	13° 2	17°34	18°45	5°53	5°16	23°50	23°12	6°42	7°55	4°32	16°37	T 12
W13	19 51 57	27° 4'35	18°21	6°48	14° 8	18°12	18°49	5°57	5°18	23°51	23°13	6°35	7°52	4°39	16°41	W13
T 14	19 55 54	28° 2'01	0♋22	6° 9	15°14	18°50	18°53	6° 1	5°20	23°51	23°15	6°28	7°49	4°46	16°45	T 14
F 15	19 59 50	28°59'27	12°32	5°26	16°20	19°28	18°56	6° 5	5°22	23°51	23°17	6°21	7°45	4°53	16°49	F 15
S 16	20 3 47	29°56'54	24°51	4°42	17°27	20° 6	19° 0	6° 9	5°24	23°51	23°19	6°15	7°42	4°59	16°53	S 16
S 17	20 7 43	0♌54'22	7♌21	3°56	18°33	20°43	19° 3	6°13	5°26	23°51	23°21	6°11	7°39	5° 6	16°57	S 17
M18	20 11 40	1°51'52	20° 2	3° 9	19°40	21°21	19° 6	6°18	5°28	23°51	23°23	6° 8	7°36	5°13	17° 1	M18
T 19	20 15 36	2°49'22	2♍56	2°22	20°47	21°59	19° 9	6°22	5°30	23°52	23°25	6°D 7	7°33	5°19	17° 6	T 19
W20	20 19 33	3°46'53	16° 1	1°36	21°54	22°37	19°11	6°27	5°32	23°R52	23°27	6° 7	7°30	5°26	17°10	W20
T 21	20 23 29	4°44'25	29°20	0°52	23° 2	23°15	19°14	6°31	5°34	23°52	23°29	6° 9	7°26	5°33	17°15	T 21
F 22	20 27 26	5°41'58	12♎53	0°11	24° 9	23°53	19°16	6°36	5°37	23°52	23°31	6°10	7°23	5°40	17°19	F 22
S 23	20 31 23	6°39'32	26°40	29♋33	25°17	24°31	19°18	6°40	5°39	23°51	23°32	6°11	7°20	5°46	17°24	S 23
S 24	20 35 19	7°37'07	10♏41	29° 0	26°24	25° 9	19°20	6°45	5°41	23°51	23°34	6°R11	7°17	5°53	17°29	S 24
M25	20 39 16	8°34'43	24°56	28°32	27°32	25°47	19°21	6°50	5°44	23°51	23°36	6°11	7°14	6° 0	17°34	M25
T 26	20 43 12	9°32'19	9♐21	28° 9	28°40	26°25	19°23	6°55	5°46	23°51	23°38	6° 9	7°10	6° 6	17°39	T 26
W27	20 47 9	10°29'57	23°54	27°53	29°48	27° 3	19°24	7° 0	5°49	23°51	23°40	6° 6	7° 7	6°13	17°44	W27
T 28	20 51 5	11°27'36	8♑29	27°43	0♋56	27°41	19°25	7° 5	5°51	23°51	23°42	6° 2	7° 4	6°20	17°49	T 28
F 29	20 55 2	12°25'16	23° 0	27°D40	2° 5	28°19	19°26	7°10	5°54	23°50	23°44	5°59	7° 1	6°27	17°54	F 29
S 30	20 58 58	13°22'58	7♒20	27°45	3°13	28°57	19°26	7°15	5°57	23°50	23°46	5°56	6°58	6°33	17°59	S 30
S 31	21 2 55	14♌20'40	21♒25	27♋57	4♋22	29♌35	19♈27	7♎21	5♎59	23♈50	23♌48	5♍55	6♍55	6♊40	18♎ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n37	18s44	4n 5	15n50	2s22	17n42	2s50	18n47	1n12	5n46	1s22	0n10	2n28	1s22	0n40	7n35	1s48	25n 8	11n53	8n58	8n25	15n52	6s43	0s25
S 2	22 30	17 23	3 10	15 33	2 35	17 57	2 48	18 36	1 11	5 48	1 22	0 9	2 28	1 22	0 40	7 35	1 48	25 7	11 53	9 0	8 26	15 53	6 44	0 25
S 3	22 23	14 57	2 4	15 16	2 49	18 11	2 46	18 26	1 11	5 50	1 22	0 8	2 28	1 23	0 40	7 36	1 48	25 7	11 53	9 2	8 27	15 55	6 45	0 25
M 4	22 15	11 42	0 52	15 1	3 3	18 25	2 44	18 15	1 11	5 52	1 22	0 6	2 28	1 24	0 40	7 36	1 48	25 6	11 53	9 2	8 29	15 56	6 46	0 24
T 5	22 7	7 56	0s20	14 48	3 16	18 38	2 42	18 4	1 11	5 54	1 23	0 5	2 27	1 24	0 40	7 36	1 48	25 5	11 53	9 3	8 30	15 57	6 46	0 24
W 6	21 59	3 55	1 30	14 36	3 29	18 51	2 40	17 53	1 10	5 56	1 23	0 3	2 27	1 25	0 40	7 36	1 48	25 4	11 52	9 2	8 31	15 58	6 47	0 24
T 7	21 50	0n11	2 32	14 26	3 42	19 4	2 38	17 41	1 10	5 57	1 23	0 1	2 27	1 26	0 40	7 36	1 48	25 4	11 52	9 2	8 32	15 59	6 48	0 23
F 8	21 41	4 9	3 26	14 18	3 54	19 17	2 35	17 30	1 10	5 59	1 24	0s 0	2 27	1 26	0 40	7 36	1 48	25 3	11 52	9 1	8 33	16 0	6 49	0 23
S 9	21 32	7 52	4 10	14 12	4 5	19 29	2 33	17 19	1 10	6 0	1 24	0 2	2 26	1 27	0 40	7 36	1 48	25 2	11 52	9 2	8 35	16 2	6 50	0 23
S 10	21 22	11 13	4 43	14 8	4 16	19 41	2 30	17 7	1 10	6 2	1 24	0 3	2 26	1 28	0 40	7 36	1 48	25 1	11 52	9 2	8 36	16 3	6 51	0 22
M11	21 11	14 6	5 2	14 6	4 25	19 52	2 28	16 55	1 9	6 3	1 24	0 5	2 26	1 28	0 40	7 36	1 49	25 1	11 52	9 4	8 37	16 4	6 52	0 22
T 12	21 1	16 23	5 9	14 6	4 33	20 3	2 25	16 44	1 9	6 4	1 25	0 7	2 26	1 29	0 40	7 36	1 49	25 0	11 52	9 6	8 38	16 5	6 53	0 21
W13	20 50	18 0	5 3	14 8	4 40	20 14	2 22	16 32	1 9	6 6	1 25	0 9	2 26	1 30	0 40	7 36	1 49	24 59	11 52	9 8	8 39	16 6	6 55	0 21
T 14	20 38	18 49	4 43	14 12	4 45	20 24	2 20	16 20	1 8	6 7	1 25	0 10	2 25	1 31	0 40	7 36	1 49	24 59	11 52	9 10	8 41	16 7	6 56	0 21
F 15	20 27	18 47	4 10	14 19	4 49	20 34	2 17	16 7	1 8	6 8	1 25	0 12	2 25	1 32	0 40	7 37	1 49	24 58	11 52	9 13	8 42	16 8	6 57	0 20
S 16	20 15	17 52	3 26	14 27	4 51	20 43	2 14	15 55	1 8	6 9	1 26	0 14	2 25	1 32	0 40	7 37	1 49	24 57	11 52	9 15	8 43	16 10	6 58	0 20
S 17	20 2	16 5	2 30	14 37	4 52	20 52	2 11	15 43	1 8	6 10	1 26	0 16	2 25	1 33	0 40	7 37	1 49	24 56	11 51	9 17	8 44	16 11	6 59	0 20
M18	19 50	13 30	1 27	14 49	4 50	21 0	2 8	15 30	1 7	6 11	1 26	0 18	2 25	1 34	0 40	7 36	1 49	24 56	11 51	9 18	8 45	16 12	7 1	0 19
T 19	19 37	10 12	0 17	15 3	4 47	21 8	2 5	15 18	1 7	6 12	1 26	0 20	2 24	1 35	0 40	7 36	1 49	24 55	11 51	9 18	8 46	16 13	7 2	0 19
W20	19 23	6 22	0n54	15 18	4 42	21 16	2 2	15 5	1 7	6 12	1 27	0 22	2 24	1 36	0 40	7 36	1 49	24 54	11 51	9 18	8 48	16 14	7 4	0 19
T 21	19 9	2 9	2 4	15 34	4 35	21 23	1 59	14 52	1 7	6 13	1 27	0 24	2 24	1 37	0 40	7 36	1 49	24 54	11 51	9 18	8 49	16 15	7 5	0 18
F 22	18 55	2s14	3 8	15 51	4 27	21 29	1 56	14 40	1 6	6 14	1 27	0 26	2 24	1 38	0 40	7 36	1 49	24 53	11 51	9 17	8 50	16 16	7 7	0 18
S 23	18 41	6 34	4 2	16 9	4 16	21 35	1 52	14 27	1 6	6 14	1 27	0 28	2 24	1 39	0 40	7 36	1 49	24 52	11 51	9 17	8 51	16 18	7 8	0 18
S 24	18 26	10 36	4 43	16 27	4 5	21 40	1 49	14 14	1 6	6 15	1 28	0 30	2 23	1 40	0 40	7 36	1 49	24 52	11 51	9 17	8 52	16 19	7 10	0 17
M25	18 12	14 6	5 7	16 45	3 52	21 45	1 46	14 0	1 6	6 15	1 28	0 32	2 23	1 41	0 40	7 36	1 49	24 51	11 51	9 17	8 54	16 20	7 11	0 17
T 26	17 56	16 47	5 13	17 4	3 38	21 49	1 43	13 47	1 5	6 15	1 28	0 34	2 23	1 42	0 40	7 36	1 49	24 50	11 51	9 18	8 55	16 21	7 13	0 17
W27	17 41	18 26	4 59	17 22	3 23	21 53	1 39	13 34	1 5	6 15	1 29	0 36	2 23	1 43	0 40	7 36	1 50	24 49	11 51	9 19	8 56	16 22	7 14	0 17
T 28	17 25	18 52	4 25	17 39	3 7	21 56	1 36	13 20	1 5	6 16	1 29	0 38	2 23	1 44	0 39	7 36	1 50	24 49	11 51	9 20	8 57	16 23	7 16	0 16
F 29	17 9	18 3	3 34	17 56	2 50	21 59	1 32	13 7	1 4	6 16	1 29	0 41	2 22	1 45	0 39	7 35	1 50	24 48	11 51	9 21	8 58	16 24	7 18	0 16
S 30	16 52	16 5	2 31	18 12	2 33	22 1	1 29	12 53	1 4	6 16	1 29	0 43	2 22	1 46	0 39	7 35	1 50	24 47	11 51	9 22	8 59	16 25	7 19	0 16
S 31	16n36	13s11	1n19	18n26	2s16	22n 3	1s25	12n40	1n 4	6n16	1s30	0s45	2n22	1s47	0n39	7n35	1s50	24n47	11n51	9n23	9n 1	16n26	7s21	0s15

Julian Day Number = 2165383.5, Delta T = 12m48s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'54, Lahiri = 12°55'54 Julian Calendar 1 July 1216 == Greg. Calendar 8 July 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

AUGUST 1216 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 6 52	15♌18'24	5♓11	28♋16	5♋31	0♍14	19♈27	7♎26	6♎ 2	23°R49	23♌50	5°D54	6♍51	6♊47	18♎10	M 1
T 2	21 10 48	16°16'10	18°34	28°43	6°40	0°52	19°R27	7°31	6° 5	23♈49	23°52	5♍55	6°48	6°54	18°16	T 2
W 3	21 14 45	17°13'57	1♈35	29°18	7°49	1°30	19°27	7°37	6° 7	23°49	23°54	5°56	6°45	7° 0	18°21	W 3
T 4	21 18 41	18°11'46	14°16	0♌ 0	8°58	2° 8	19°26	7°42	6°10	23°48	23°56	5°57	6°42	7° 7	18°27	T 4
F 5	21 22 38	19° 9'36	26°39	0°50	10° 7	2°46	19°26	7°48	6°13	23°48	23°58	5°58	6°39	7°14	18°33	F 5
S 6	21 26 34	20° 7'29	8♉47	1°46	11°17	3°25	19°25	7°53	6°16	23°47	24° 0	5°59	6°35	7°20	18°39	S 6
S 7	21 30 31	21° 5'23	20°46	2°50	12°26	4° 3	19°24	7°59	6°19	23°47	24° 2	6°R 0	6°32	7°27	18°45	S 7
M 8	21 34 27	22° 3'19	2♊40	4° 0	13°36	4°41	19°23	8° 5	6°22	23°46	24° 4	5°59	6°29	7°34	18°51	M 8
T 9	21 38 24	23° 1'17	14°34	5°15	14°46	5°20	19°22	8°10	6°25	23°45	24° 6	5°59	6°26	7°41	18°57	T 9
W10	21 42 21	23°59'17	26°31	6°37	15°56	5°58	19°20	8°16	6°28	23°45	24° 8	5°57	6°23	7°47	19° 3	W10
T 11	21 46 17	24°57'19	8♋36	8° 4	17° 6	6°37	19°18	8°22	6°31	23°44	24°10	5°56	6°20	7°54	19° 9	T 11
F 12	21 50 14	25°55'22	20°52	9°36	18°16	7°15	19°16	8°28	6°34	23°43	24°13	5°54	6°16	8° 1	19°15	F 12
S 13	21 54 10	26°53'28	3♌21	11°12	19°26	7°53	19°14	8°34	6°37	23°43	24°15	5°53	6°13	8° 8	19°22	S 13
S 14	21 58 7	27°51'35	16° 6	12°52	20°36	8°32	19°12	8°40	6°40	23°42	24°17	5°52	6°10	8°14	19°28	S 14
M15	22 2 3	28°49'44	29° 6	14°36	21°47	9°10	19° 9	8°46	6°43	23°41	24°19	5°52	6° 7	8°21	19°34	M15
T 16	22 6 0	29°47'54	12♍22	16°22	22°57	9°49	19° 7	8°52	6°46	23°40	24°21	5°D52	6° 4	8°28	19°41	T 16
W17	22 9 56	0♍46'07	25°52	18°11	24° 8	10°28	19° 4	8°58	6°49	23°40	24°23	5°52	6° 1	8°34	19°48	W17
T 18	22 13 53	1°44'21	9♎35	20° 1	25°19	11° 6	19° 0	9° 5	6°53	23°39	24°25	5°52	5°57	8°41	19°54	T 18
F 19	22 17 50	2°42'36	23°29	21°53	26°29	11°45	18°57	9°11	6°56	23°38	24°27	5°53	5°54	8°48	20° 1	F 19
S 20	22 21 46	3°40'54	7♏32	23°47	27°40	12°23	18°54	9°17	6°59	23°37	24°29	5°53	5°51	8°55	20° 8	S 20
S 21	22 25 43	4°39'12	21°41	25°41	28°51	13° 2	18°50	9°24	7° 3	23°36	24°31	5°53	5°48	9° 1	20°15	S 21
M22	22 29 39	5°37'33	5♐53	27°35	0♌ 3	13°41	18°46	9°30	7° 6	23°35	24°33	5°53	5°45	9° 8	20°21	M22
T 23	22 33 36	6°35'55	20° 8	29°30	1°14	14°20	18°42	9°37	7° 9	23°34	24°35	5°53	5°41	9°15	20°28	T 23
W24	22 37 32	7°34'18	4♑21	1♍25	2°25	14°58	18°38	9°43	7°13	23°33	24°37	5°53	5°38	9°21	20°35	W24
T 25	22 41 29	8°32'44	18°30	3°19	3°37	15°37	18°33	9°50	7°16	23°32	24°39	5°53	5°35	9°28	20°42	T 25
F 26	22 45 25	9°31'10	2♒32	5°13	4°48	16°16	18°29	9°56	7°20	23°31	24°41	5°54	5°32	9°35	20°50	F 26
S 27	22 49 22	10°29'39	16°25	7° 7	6° 0	16°55	18°24	10° 3	7°23	23°30	24°43	5°54	5°29	9°42	20°57	S 27
S 28	22 53 19	11°28'09	0♓ 6	9° 0	7°11	17°34	18°19	10° 9	7°26	23°28	24°45	5°R54	5°26	9°48	21° 4	S 28
M29	22 57 15	12°26'41	13°32	10°52	8°23	18°13	18°14	10°16	7°30	23°27	24°46	5°54	5°22	9°55	21°11	M29
T 30	23 1 12	13°25'16	26°41	12°43	9°35	18°52	18° 9	10°23	7°33	23°26	24°48	5°54	5°19	10° 2	21°18	T 30
W31	23 5 8	14♍23'52	9♈34	14♍34	10♌47	19♍30	18♈ 3	10♎29	7♎37	23♈25	24♌50	5♍53	5♍16	10♊ 9	21♎26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n19	9s35	0n 4	18n40	1s58	22n 4	1s22	12n26	1n 4	6n15	1s30	0s47	2n22	1s48	0n39	7n35	1s50	24n46	11n51	9n23	9n 2	16n27	7s23	0s15
T 2	16 2	5 36	1s 9	18 51	1 41	22 4	1 18	12 12	1 3	6 15	1 30	0 50	2 22	1 49	0 39	7 35	1 50	24 45	11 51	9 23	9 3	16 29	7 25	0 15
W 3	15 44	1 28	2 17	19 1	1 24	22 4	1 15	11 58	1 3	6 15	1 30	0 52	2 22	1 50	0 39	7 35	1 50	24 45	11 51	9 23	9 4	16 30	7 27	0 14
T 4	15 26	2n38	3 16	19 9	1 7	22 3	1 11	11 44	1 3	6 14	1 31	0 54	2 21	1 52	0 39	7 34	1 50	24 44	11 51	9 22	9 5	16 31	7 29	0 14
F 5	15 8	6 31	4 5	19 14	0 50	22 1	1 8	11 30	1 2	6 14	1 31	0 57	2 21	1 53	0 39	7 34	1 50	24 43	11 51	9 21	9 7	16 32	7 31	0 14
S 6	14 50	10 3	4 41	19 18	0 34	21 59	1 4	11 16	1 2	6 13	1 31	0 59	2 21	1 54	0 39	7 34	1 50	24 43	11 51	9 21	9 8	16 33	7 32	0 13
S 7	14 32	13 7	5 5	19 18	0 19	21 57	1 1	11 1	1 2	6 13	1 31	1 1	2 21	1 55	0 39	7 34	1 50	24 42	11 51	9 21	9 9	16 34	7 34	0 13
M 8	14 13	15 37	5 15	19 16	0 4	21 54	0 57	10 47	1 1	6 12	1 32	1 4	2 21	1 56	0 39	7 33	1 50	24 41	11 51	9 21	9 10	16 35	7 36	0 13
T 9	13 54	17 28	5 13	19 12	0n10	21 50	0 54	10 33	1 1	6 11	1 32	1 6	2 21	1 57	0 39	7 33	1 50	24 41	11 51	9 21	9 11	16 36	7 38	0 12
W10	13 35	18 34	4 56	19 4	0 23	21 45	0 50	10 18	1 1	6 11	1 32	1 9	2 21	1 59	0 39	7 33	1 50	24 40	11 51	9 22	9 12	16 37	7 41	0 12
T 11	13 15	18 50	4 26	18 54	0 36	21 40	0 47	10 4	1 0	6 10	1 32	1 11	2 20	2 0	0 39	7 32	1 50	24 39	11 52	9 23	9 14	16 38	7 43	0 12
F 12	12 56	18 13	3 44	18 40	0 47	21 35	0 43	9 49	1 0	6 9	1 33	1 13	2 20	2 1	0 39	7 32	1 50	24 39	11 52	9 23	9 15	16 39	7 45	0 12
S 13	12 36	16 43	2 50	18 24	0 57	21 28	0 39	9 34	1 0	6 8	1 33	1 16	2 20	2 2	0 39	7 32	1 51	24 38	11 52	9 24	9 16	16 41	7 47	0 11
S 14	12 16	14 22	1 47	18 5	1 7	21 22	0 36	9 19	1 0	6 7	1 33	1 18	2 20	2 4	0 39	7 31	1 51	24 37	11 52	9 24	9 17	16 42	7 49	0 11
M15	11 56	11 15	0 37	17 43	1 15	21 14	0 32	9 5	0 59	6 5	1 33	1 21	2 20	2 5	0 39	7 31	1 51	24 37	11 52	9 24	9 18	16 43	7 51	0 11
T 16	11 35	7 30	0n36	17 18	1 22	21 6	0 29	8 50	0 59	6 4	1 34	1 24	2 20	2 6	0 39	7 31	1 51	24 36	11 52	9 24	9 20	16 44	7 53	0 10
W17	11 15	3 19	1 49	16 51	1 29	20 57	0 25	8 35	0 59	6 3	1 34	1 26	2 20	2 8	0 39	7 30	1 51	24 36	11 52	9 24	9 21	16 45	7 56	0 10
T 18	10 54	1s 7	2 56	16 21	1 34	20 48	0 22	8 20	0 58	6 1	1 34	1 29	2 19	2 9	0 39	7 30	1 51	24 35	11 52	9 24	9 22	16 46	7 58	0 10
F 19	10 33	5 32	3 54	15 50	1 39	20 38	0 18	8 5	0 58	6 0	1 34	1 31	2 19	2 10	0 39	7 30	1 51	24 34	11 52	9 24	9 23	16 47	8 0	0 9
S 20	10 12	9 41	4 39	15 16	1 42	20 28	0 15	7 49	0 58	5 58	1 35	1 34	2 19	2 11	0 39	7 29	1 51	24 34	11 52	9 24	9 24	16 48	8 2	0 9
S 21	9 51	13 18	5 7	14 40	1 45	20 17	0 12	7 34	0 57	5 57	1 35	1 36	2 19	2 13	0 39	7 29	1 51	24 33	11 53	9 23	9 25	16 49	8 5	0 9
M22	9 29	16 10	5 17	14 2	1 47	20 5	0 8	7 19	0 57	5 55	1 35	1 39	2 19	2 14	0 39	7 28	1 51	24 33	11 53	9 23	9 27	16 50	8 7	0 9
T 23	9 8	18 4	5 7	13 23	1 48	19 53	0 5	7 4	0 57	5 53	1 35	1 42	2 19	2 15	0 39	7 28	1 51	24 32	11 53	9 23	9 28	16 51	8 9	0 8
W24	8 46	18 49	4 39	12 42	1 48	19 41	0 2	6 48	0 56	5 52	1 35	1 44	2 19	2 17	0 39	7 28	1 51	24 32	11 53	9 23	9 29	16 52	8 12	0 8
T 25	8 24	18 24	3 54	12 0	1 48	19 27	0n 2	6 33	0 56	5 50	1 36	1 47	2 19	2 18	0 39	7 27	1 51	24 31	11 53	9 23	9 30	16 53	8 14	0 8
F 26	8 2	16 50	2 55	11 18	1 47	19 13	0 5	6 18	0 55	5 48	1 36	1 50	2 19	2 20	0 39	7 27	1 51	24 30	11 53	9 23	9 31	16 54	8 17	0 7
S 27	7 40	14 18	1 46	10 34	1 45	18 59	0 8	6 2	0 55	5 46	1 36	1 52	2 18	2 21	0 39	7 26	1 51	24 30	11 53	9 23	9 32	16 55	8 19	0 7
S 28	7 18	10 59	0 32	9 49	1 43	18 44	0 11	5 46	0 55	5 44	1 36	1 55	2 18	2 22	0 39	7 26	1 51	24 29	11 54	9 23	9 34	16 56	8 21	0 7
M29	6 55	7 9	0s42	9 4	1 41	18 29	0 15	5 31	0 54	5 42	1 36	1 58	2 18	2 24	0 39	7 25	1 51	24 29	11 54	9 23	9 35	16 57	8 24	0 7
T 30	6 33	3 3	1 53	8 19	1 38	18 13	0 18	5 15	0 54	5 39	1 37	2 1	2 18	2 25	0 39	7 25	1 51	24 28	11 54	9 23	9 36	16 58	8 26	0 6
W31	6n10	1n 7	2s56	7n33	1n34	17n56	0n21	5n 0	0n54	5n37	1s37	2s 3	2n18	2s27	0n39	7n24	1s51	24n28	11n54	9n23	9n37	16n59	8s29	0s 6

Julian Day Number = 2165414.5, Delta T = 12m48s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°48'58, Lahiri = 12°55'59 Julian Calendar 1 Aug. 1216 == Greg. Calendar 8 Aug. 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

SEPTEMBER 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 9 5	15♍22'30	22♈10	16♍24	11♌59	20♍ 9	17°R58	10♎36	7♎41	23°R24	24♌52	5°R52	5♍13	10♊15	21♎33	T 1
F 2	23 13 1	16°21'10	4♉32	18°12	13°11	20°48	17♈52	10°43	7°44	23♈22	24°54	5♍50	5°10	10°22	21°41	F 2
S 3	23 16 58	17°19'53	16°40	20° 0	14°23	21°28	17°46	10°50	7°48	23°21	24°56	5°49	5° 7	10°29	21°48	S 3
S 4	23 20 54	18°18'38	28°40	21°47	15°36	22° 7	17°40	10°57	7°51	23°20	24°58	5°48	5° 3	10°35	21°56	S 4
M 5	23 24 51	19°17'25	10♊34	23°33	16°48	22°46	17°34	11° 4	7°55	23°19	25° 0	5°47	5° 0	10°42	22° 3	M 5
T 6	23 28 47	20°16'15	22°27	25°18	18° 0	23°25	17°27	11°11	7°59	23°17	25° 2	5°D47	4°57	10°49	22°11	T 6
W 7	23 32 44	21°15'06	4♋23	27° 2	19°13	24° 4	17°21	11°18	8° 2	23°16	25° 4	5°47	4°54	10°56	22°19	W 7
T 8	23 36 41	22°14'00	16°28	28°45	20°26	24°43	17°14	11°24	8° 6	23°14	25° 5	5°48	4°51	11° 2	22°26	T 8
F 9	23 40 37	23°12'57	28°46	0♎27	21°38	25°23	17° 8	11°31	8°10	23°13	25° 7	5°50	4°47	11° 9	22°34	F 9
S 10	23 44 34	24°11'56	11♌21	2° 8	22°51	26° 2	17° 1	11°39	8°13	23°12	25° 9	5°51	4°44	11°16	22°42	S 10
S 11	23 48 30	25°10'56	24°15	3°48	24° 4	26°41	16°54	11°46	8°17	23°10	25°11	5°52	4°41	11°22	22°50	S 11
M12	23 52 27	26°10'00	7♍30	5°28	25°17	27°20	16°47	11°53	8°21	23° 9	25°13	5°R53	4°38	11°29	22°58	M12
T 13	23 56 23	27° 9'05	21° 7	7° 6	26°30	28° 0	16°40	12° 0	8°24	23° 7	25°15	5°52	4°35	11°36	23° 5	T 13
W14	0 0 20	28° 8'12	5♎ 2	8°44	27°43	28°39	16°32	12° 7	8°28	23° 6	25°16	5°50	4°32	11°43	23°13	W14
T 15	0 4 16	29° 7'21	19°14	10°21	28°56	29°19	16°25	12°14	8°32	23° 4	25°18	5°47	4°28	11°49	23°21	T 15
F 16	0 8 13	0♎ 6'33	3♏37	11°57	0♍ 9	29°58	16°17	12°21	8°36	23° 3	25°20	5°44	4°25	11°56	23°29	F 16
S 17	0 12 10	1° 5'46	18° 4	13°32	1°22	0♎38	16°10	12°28	8°39	23° 1	25°22	5°40	4°22	12° 3	23°37	S 17
S 18	0 16 6	2° 5'01	2♐32	15° 6	2°36	1°17	16° 2	12°35	8°43	23° 0	25°23	5°37	4°19	12°10	23°45	S 18
M19	0 20 3	3° 4'18	16°55	16°40	3°49	1°57	15°55	12°43	8°47	22°58	25°25	5°35	4°16	12°16	23°54	M19
T 20	0 23 59	4° 3'37	1♑ 9	18°13	5° 3	2°36	15°47	12°50	8°51	22°57	25°27	5°D34	4°12	12°23	24° 2	T 20
W21	0 27 56	5° 2'58	15°13	19°45	6°16	3°16	15°39	12°57	8°54	22°55	25°28	5°35	4° 9	12°30	24°10	W21
T 22	0 31 52	6° 2'20	29° 4	21°17	7°30	3°56	15°31	13° 4	8°58	22°53	25°30	5°36	4° 6	12°36	24°18	T 22
F 23	0 35 49	7° 1'44	12♒43	22°47	8°43	4°35	15°23	13°11	9° 2	22°52	25°32	5°38	4° 3	12°43	24°26	F 23
S 24	0 39 45	8° 1'10	26°10	24°17	9°57	5°15	15°15	13°19	9° 6	22°50	25°33	5°39	4° 0	12°50	24°34	S 24
S 25	0 43 42	9° 0'38	9♓24	25°47	11°11	5°55	15° 7	13°26	9° 9	22°49	25°35	5°R39	3°57	12°57	24°43	S 25
M26	0 47 38	10° 0'07	22°27	27°15	12°24	6°35	14°59	13°33	9°13	22°47	25°36	5°38	3°53	13° 3	24°51	M26
T 27	0 51 35	10°59'39	5♈17	28°43	13°38	7°14	14°51	13°40	9°17	22°45	25°38	5°35	3°50	13°10	24°59	T 27
W28	0 55 32	11°59'13	17°56	0♏10	14°52	7°54	14°43	13°48	9°21	22°44	25°39	5°30	3°47	13°17	25° 7	W28
T 29	0 59 28	12°58'48	0♉22	1°36	16° 6	8°34	14°35	13°55	9°25	22°42	25°41	5°24	3°44	13°23	25°16	T 29
F 30	1 3 25	13♎58'26	12♉37	3♏ 2	17♍20	9♎14	14♈27	14♎ 2	9♎28	22♈40	25♌42	5♍17	3♍41	13♊30	25♎24	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n47	5n 8	3s49	6n46	1n30	17n39	0n24	4n44	0n53	5n35	1s37	2s 6	2n18	2s28	0n39	7n24	1s51	24n27	11n54	9n24	9n38	17n 0	8s31	0s 6
F 2	5 24	8 50	4 30	6 0	1 26	17 21	0 27	4 28	0 53	5 33	1 37	2 9	2 18	2 29	0 39	7 23	1 52	24 27	11 54	9 24	9 39	17 1	8 34	0 5
S 3	5 1	12 7	4 59	5 13	1 21	17 3	0 30	4 12	0 53	5 30	1 37	2 12	2 18	2 31	0 39	7 23	1 52	24 26	11 55	9 25	9 41	17 2	8 37	0 5
S 4	4 38	14 50	5 14	4 26	1 16	16 45	0 32	3 57	0 52	5 28	1 37	2 14	2 18	2 32	0 39	7 22	1 52	24 26	11 55	9 25	9 42	17 3	8 39	0 5
M 5	4 15	16 56	5 15	3 39	1 11	16 26	0 35	3 41	0 52	5 25	1 38	2 17	2 18	2 34	0 39	7 22	1 52	24 25	11 55	9 26	9 43	17 4	8 42	0 5
T 6	3 52	18 17	5 3	2 52	1 5	16 6	0 38	3 25	0 51	5 23	1 38	2 20	2 18	2 35	0 39	7 21	1 52	24 25	11 55	9 26	9 44	17 5	8 44	0 4
W 7	3 29	18 50	4 38	2 6	0 59	15 46	0 41	3 9	0 51	5 20	1 38	2 23	2 18	2 37	0 39	7 21	1 52	24 24	11 56	9 26	9 45	17 6	8 47	0 4
T 8	3 6	18 33	4 0	1 19	0 53	15 26	0 44	2 53	0 51	5 17	1 38	2 25	2 17	2 38	0 38	7 20	1 52	24 24	11 56	9 25	9 46	17 7	8 50	0 4
F 9	2 42	17 23	3 11	0 33	0 47	15 5	0 46	2 37	0 50	5 15	1 38	2 28	2 17	2 40	0 38	7 20	1 52	24 24	11 56	9 25	9 48	17 8	8 52	0 3
S 10	2 19	15 21	2 11	0s13	0 41	14 43	0 49	2 21	0 50	5 12	1 38	2 31	2 17	2 41	0 38	7 19	1 52	24 23	11 56	9 24	9 49	17 9	8 55	0 3
S 11	1 55	12 29	1 4	0 59	0 35	14 22	0 51	2 5	0 50	5 9	1 38	2 34	2 17	2 43	0 38	7 19	1 52	24 23	11 56	9 24	9 50	17 10	8 57	0 3
M12	1 32	8 56	0n 9	1 45	0 28	13 59	0 54	1 49	0 49	5 6	1 38	2 37	2 17	2 44	0 38	7 18	1 52	24 22	11 57	9 24	9 51	17 11	9 0	0 3
T 13	1 8	4 48	1 23	2 30	0 21	13 37	0 56	1 33	0 49	5 4	1 38	2 39	2 17	2 46	0 38	7 17	1 52	24 22	11 57	9 24	9 52	17 12	9 3	0 2
W14	0 45	0 20	2 34	3 15	0 14	13 14	0 58	1 17	0 48	5 1	1 39	2 42	2 17	2 47	0 38	7 17	1 52	24 22	11 57	9 25	9 53	17 13	9 5	0 2
T 15	0 21	4s14	3 36	4 0	0 8	12 50	1 1	1 1	0 48	4 58	1 39	2 45	2 17	2 48	0 38	7 16	1 52	24 21	11 57	9 26	9 55	17 14	9 8	0 2
F 16	0s 3	8 36	4 26	4 44	0 1	12 27	1 3	0 44	0 48	4 55	1 39	2 48	2 17	2 50	0 38	7 16	1 52	24 21	11 58	9 27	9 56	17 15	9 11	0 1
S 17	0 26	12 30	4 59	5 28	0s 6	12 2	1 5	0 28	0 47	4 52	1 39	2 51	2 17	2 51	0 38	7 15	1 52	24 20	11 58	9 28	9 57	17 16	9 14	0 1
S 18	0 50	15 38	5 13	6 11	0 13	11 38	1 7	0 12	0 47	4 49	1 39	2 54	2 17	2 53	0 38	7 15	1 52	24 20	11 58	9 29	9 58	17 17	9 16	0 1
M19	1 14	17 48	5 7	6 54	0 20	11 13	1 9	0s 4	0 46	4 46	1 39	2 56	2 17	2 54	0 38	7 14	1 52	24 20	11 59	9 30	9 59	17 18	9 19	0 1
T 20	1 37	18 49	4 43	7 36	0 27	10 48	1 11	0 20	0 46	4 43	1 39	2 59	2 17	2 56	0 38	7 13	1 52	24 19	11 59	9 30	10 0	17 19	9 22	0 0
W21	2 1	18 40	4 2	8 17	0 35	10 23	1 13	0 36	0 46	4 40	1 39	3 2	2 17	2 57	0 38	7 13	1 52	24 19	11 59	9 30	10 2	17 20	9 25	0 0
T 22	2 24	17 23	3 7	8 59	0 42	9 57	1 15	0 53	0 45	4 37	1 39	3 5	2 17	2 59	0 38	7 12	1 52	24 19	11 59	9 30	10 3	17 21	9 27	0n 0
F 23	2 48	15 7	2 2	9 39	0 49	9 31	1 16	1 9	0 45	4 34	1 39	3 8	2 17	3 0	0 38	7 11	1 52	24 19	12 0	9 29	10 4	17 22	9 30	0 0
S 24	3 12	12 2	0 52	10 19	0 56	9 4	1 18	1 25	0 44	4 31	1 39	3 10	2 17	3 2	0 38	7 11	1 52	24 18	12 0	9 29	10 5	17 23	9 33	0 1
S 25	3 35	8 23	0s21	10 58	1 2	8 38	1 20	1 41	0 44	4 27	1 39	3 13	2 17	3 3	0 38	7 10	1 52	24 18	12 0	9 29	10 6	17 24	9 36	0 1
M26	3 59	4 23	1 30	11 37	1 9	8 11	1 21	1 57	0 43	4 24	1 39	3 16	2 17	3 5	0 38	7 10	1 52	24 18	12 1	9 29	10 7	17 25	9 38	0 1
T 27	4 22	0 15	2 34	12 15	1 16	7 44	1 22	2 14	0 43	4 21	1 39	3 19	2 17	3 6	0 38	7 9	1 52	24 18	12 1	9 30	10 9	17 26	9 41	0 2
W28	4 45	3n50	3 30	12 52	1 23	7 16	1 24	2 30	0 43	4 18	1 39	3 22	2 17	3 8	0 38	7 8	1 52	24 17	12 1	9 32	10 10	17 27	9 44	0 2
T 29	5 9	7 41	4 14	13 29	1 29	6 49	1 25	2 46	0 42	4 15	1 39	3 25	2 17	3 9	0 38	7 8	1 52	24 17	12 2	9 34	10 11	17 28	9 47	0 2
F 30	5s32	11n 9	4s46	14s 4	1s36	6n21	1n26	3s 2	0n42	4n12	1s39	3s27	2n17	3s11	0n38	7n 7	1s52	24n17	12n 2	9n37	10n12	17n29	9s50	0n 2

Julian Day Number = 2165445.5, Delta T = 12m48s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'02, Lahiri = 12°56'03 Julian Calendar 1 Sept. 1216 == Greg. Calendar 8 Sept. 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

OCTOBER 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 7 21	14♎58'06	24♉43	4♏26	18♍34	9♎54	14°R19	14♎ 9	9♎32	22°R39	25♌44	5°R 9	3♍38	13♊37	25♎32	S 1
S 2	1 11 18	15°57'49	6♊40	5°50	19°48	10°34	14♈10	14°17	9°36	22♈37	25°45	5♍ 3	3°34	13°44	25°41	S 2
M 3	1 15 14	16°57'33	18°33	7°13	21° 3	11°14	14° 2	14°24	9°40	22°35	25°47	4°57	3°31	13°50	25°49	M 3
T 4	1 19 11	17°57'20	0♋24	8°35	22°17	11°54	13°54	14°31	9°43	22°34	25°48	4°53	3°28	13°57	25°57	T 4
W 5	1 23 7	18°57'09	12°18	9°56	23°31	12°34	13°46	14°38	9°47	22°32	25°49	4°52	3°25	14° 4	26° 6	W 5
T 6	1 27 4	19°57'00	24°20	11°16	24°45	13°14	13°38	14°46	9°51	22°30	25°51	4°D51	3°22	14°11	26°14	T 6
F 7	1 31 1	20°56'54	6♌35	12°35	26° 0	13°55	13°30	14°53	9°55	22°29	25°52	4°52	3°18	14°17	26°22	F 7
S 8	1 34 57	21°56'50	19° 8	13°52	27°14	14°35	13°22	15° 0	9°58	22°27	25°53	4°54	3°15	14°24	26°31	S 8
S 9	1 38 54	22°56'47	2♍ 3	15° 9	28°29	15°15	13°14	15° 7	10° 2	22°25	25°55	4°R55	3°12	14°31	26°39	S 9
M10	1 42 50	23°56'48	15°24	16°23	29°43	15°55	13° 6	15°14	10° 6	22°24	25°56	4°54	3° 9	14°37	26°48	M10
T 11	1 46 47	24°56'50	29°11	17°37	0♎58	16°36	12°59	15°22	10° 9	22°22	25°57	4°52	3° 6	14°44	26°56	T 11
W12	1 50 43	25°56'54	13♎24	18°48	2°12	17°16	12°51	15°29	10°13	22°20	25°58	4°47	3° 3	14°51	27° 4	W12
T 13	1 54 40	26°57'00	27°59	19°58	3°27	17°56	12°43	15°36	10°17	22°19	25°59	4°40	2°59	14°58	27°13	T 13
F 14	1 58 36	27°57'08	12♏49	21° 6	4°42	18°37	12°36	15°43	10°20	22°17	26° 1	4°32	2°56	15° 4	27°21	F 14
S 15	2 2 33	28°57'18	27°45	22°11	5°56	19°17	12°28	15°50	10°24	22°15	26° 2	4°23	2°53	15°11	27°30	S 15
S 16	2 6 30	29°57'30	12♐38	23°13	7°11	19°58	12°21	15°57	10°28	22°14	26° 3	4°15	2°50	15°18	27°38	S 16
M17	2 10 26	0♏57'43	27°21	24°13	8°26	20°38	12°13	16° 5	10°31	22°12	26° 4	4° 9	2°47	15°24	27°46	M17
T 18	2 14 23	1°57'58	11♑47	25°10	9°41	21°19	12° 6	16°12	10°35	22°10	26° 5	4° 4	2°43	15°31	27°55	T 18
W19	2 18 19	2°58'15	25°54	26° 2	10°55	22° 0	11°59	16°19	10°38	22° 9	26° 6	4° 3	2°40	15°38	28° 3	W19
T 20	2 22 16	3°58'33	9♒40	26°51	12°10	22°40	11°52	16°26	10°42	22° 7	26° 7	4°D 3	2°37	15°45	28°12	T 20
F 21	2 26 12	4°58'52	23° 7	27°35	13°25	23°21	11°45	16°33	10°46	22° 5	26° 8	4° 3	2°34	15°51	28°20	F 21
S 22	2 30 9	5°59'13	6♓16	28°14	14°40	24° 2	11°38	16°40	10°49	22° 4	26° 9	4°R 4	2°31	15°58	28°28	S 22
S 23	2 34 5	6°59'35	19°11	28°47	15°55	24°42	11°32	16°47	10°53	22° 2	26°10	4° 2	2°28	16° 5	28°37	S 23
M24	2 38 2	7°59'58	1♈53	29°14	17°10	25°23	11°25	16°54	10°56	22° 0	26°11	3°59	2°24	16°11	28°45	M24
T 25	2 41 59	9° 0'23	14°25	29°34	18°25	26° 4	11°19	17° 1	11° 0	21°59	26°11	3°53	2°21	16°18	28°53	T 25
W26	2 45 55	10° 0'50	26°47	29°45	19°40	26°45	11°13	17° 7	11° 3	21°57	26°12	3°44	2°18	16°25	29° 2	W26
T 27	2 49 52	11° 1'18	9♉ 1	29°R49	20°55	27°26	11° 7	17°14	11° 6	21°56	26°13	3°32	2°15	16°32	29°10	T 27
F 28	2 53 48	12° 1'48	21° 7	29°43	22°10	28° 7	11° 1	17°21	11°10	21°54	26°14	3°19	2°12	16°38	29°18	F 28
S 29	2 57 45	13° 2'19	3♊ 7	29°27	23°25	28°48	10°55	17°28	11°13	21°53	26°15	3° 6	2° 9	16°45	29°26	S 29
S 30	3 1 41	14° 2'53	15° 2	29° 1	24°40	29°29	10°50	17°35	11°16	21°51	26°15	2°53	2° 5	16°52	29°35	S 30
M31	3 5 38	15♏ 3'27	26♊53	28♏25	25♎55	0♏10	10♈44	17♎41	11♎20	21♈49	26♌16	2♍42	2♍ 2	16♊59	29♎43	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s55	14n 6	5s 4	14s39	1s42	5n53	1n28	3s18	0n41	4n 9	1s39	3s30	2n17	3s12	0n38	7n 7	1s52	24n17	12n 2	9n40	10n13	17n30	9s52	0n 3	S 1
S 2	6 18	16 26	5 9	15 13	1 48	5 25	1 29	3 34	0 41	4 6	1 39	3 33	2 17	3 14	0 38	7 6	1 52	24 16	12 3	9 42	10 14	17 31	9 55	0 3	S 2
M 3	6 41	18 3	5 1	15 47	1 54	4 56	1 30	3 51	0 40	4 3	1 39	3 36	2 17	3 15	0 38	7 5	1 52	24 16	12 3	9 44	10 15	17 32	9 58	0 3	M 3
T 4	7 4	18 53	4 39	16 19	2 0	4 28	1 30	4 7	0 40	3 59	1 39	3 39	2 17	3 17	0 38	7 5	1 52	24 16	12 3	9 45	10 17	17 33	10 1	0 3	T 4
W 5	7 27	18 53	4 6	16 50	2 6	3 59	1 31	4 23	0 40	3 56	1 39	3 41	2 17	3 18	0 38	7 4	1 52	24 16	12 4	9 46	10 18	17 34	10 4	0 4	W 5
T 6	7 50	18 2	3 21	17 21	2 11	3 30	1 32	4 39	0 39	3 53	1 39	3 44	2 17	3 20	0 38	7 3	1 52	24 16	12 4	9 46	10 19	17 35	10 6	0 4	T 6
F 7	8 13	16 20	2 27	17 50	2 16	3 1	1 33	4 55	0 39	3 50	1 39	3 47	2 17	3 21	0 38	7 3	1 52	24 16	12 4	9 46	10 20	17 35	10 9	0 4	F 7
S 8	8 35	13 49	1 24	18 19	2 21	2 32	1 33	5 11	0 38	3 47	1 38	3 50	2 17	3 23	0 38	7 2	1 52	24 16	12 5	9 45	10 21	17 36	10 12	0 5	S 8
S 9	8 57	10 33	0 15	18 46	2 26	2 3	1 34	5 27	0 38	3 44	1 38	3 52	2 17	3 24	0 38	7 1	1 52	24 15	12 5	9 45	10 22	17 37	10 15	0 5	S 9
M10	9 20	6 39	0n56	19 12	2 30	1 33	1 34	5 43	0 37	3 41	1 38	3 55	2 17	3 26	0 38	7 1	1 52	24 15	12 6	9 45	10 24	17 38	10 18	0 5	M10
T 11	9 42	2 16	2 7	19 37	2 34	1 4	1 35	5 59	0 37	3 38	1 38	3 58	2 17	3 27	0 38	7 0	1 52	24 15	12 6	9 46	10 25	17 39	10 20	0 5	T 11
W12	10 4	2s22	3 12	20 1	2 38	0 34	1 35	6 15	0 36	3 35	1 38	4 1	2 17	3 29	0 38	7 0	1 52	24 15	12 6	9 48	10 26	17 40	10 23	0 6	W12
T 13	10 26	6 59	4 6	20 23	2 41	0 5	1 35	6 31	0 36	3 33	1 38	4 3	2 17	3 30	0 38	6 59	1 52	24 15	12 7	9 50	10 27	17 41	10 26	0 6	T 13
F 14	10 47	11 14	4 44	20 44	2 44	0s25	1 36	6 47	0 35	3 30	1 38	4 6	2 17	3 31	0 38	6 58	1 52	24 15	12 7	9 53	10 28	17 42	10 29	0 6	F 14
S 15	11 9	14 49	5 3	21 4	2 46	0 54	1 36	7 3	0 35	3 27	1 38	4 9	2 17	3 33	0 38	6 58	1 52	24 15	12 7	9 57	10 29	17 43	10 31	0 6	S 15
S 16	11 30	17 25	5 2	21 21	2 48	1 24	1 36	7 18	0 34	3 24	1 37	4 11	2 17	3 34	0 38	6 57	1 52	24 15	12 8	10 0	10 30	17 44	10 34	0 7	S 16
M17	11 51	18 50	4 41	21 38	2 49	1 54	1 36	7 34	0 34	3 22	1 37	4 14	2 17	3 36	0 38	6 57	1 52	24 15	12 8	10 2	10 32	17 45	10 37	0 7	M17
T 18	12 12	19 0	4 2	21 52	2 49	2 23	1 36	7 50	0 33	3 19	1 37	4 17	2 18	3 37	0 38	6 56	1 52	24 15	12 9	10 3	10 33	17 46	10 40	0 7	T 18
W19	12 33	17 57	3 9	22 5	2 49	2 53	1 35	8 6	0 33	3 16	1 37	4 19	2 18	3 38	0 38	6 55	1 52	24 15	12 9	10 4	10 34	17 46	10 42	0 8	W19
T 20	12 54	15 52	2 7	22 15	2 48	3 22	1 35	8 21	0 32	3 14	1 37	4 22	2 18	3 40	0 38	6 55	1 52	24 15	12 9	10 4	10 35	17 47	10 45	0 8	T 20
F 21	13 14	12 57	0 58	22 24	2 46	3 52	1 35	8 37	0 32	3 11	1 36	4 25	2 18	3 41	0 38	6 54	1 52	24 15	12 10	10 4	10 36	17 48	10 48	0 8	F 21
S 22	13 34	9 26	0s12	22 30	2 43	4 21	1 34	8 52	0 31	3 9	1 36	4 27	2 18	3 43	0 38	6 54	1 52	24 15	12 10	10 4	10 37	17 49	10 51	0 8	S 22
S 23	13 54	5 31	1 20	22 34	2 39	4 51	1 34	9 8	0 31	3 6	1 36	4 30	2 18	3 44	0 38	6 53	1 52	24 15	12 11	10 4	10 38	17 50	10 53	0 9	S 23
M24	14 14	1 25	2 22	22 35	2 34	5 20	1 33	9 23	0 30	3 4	1 36	4 33	2 18	3 45	0 38	6 52	1 52	24 15	12 11	10 5	10 40	17 51	10 56	0 9	M24
T 25	14 33	2n40	3 17	22 33	2 28	5 49	1 33	9 39	0 30	3 2	1 36	4 35	2 18	3 47	0 38	6 52	1 52	24 15	12 12	10 8	10 41	17 52	10 59	0 9	T 25
W26	14 53	6 36	4 2	22 28	2 20	6 18	1 32	9 54	0 29	2 59	1 35	4 38	2 18	3 48	0 38	6 51	1 52	24 15	12 12	10 11	10 42	17 53	11 2	0 9	W26
T 27	15 12	10 13	4 35	22 20	2 11	6 47	1 31	10 9	0 29	2 57	1 35	4 40	2 18	3 49	0 38	6 51	1 52	24 16	12 12	10 15	10 43	17 53	11 4	0 10	T 27
F 28	15 31	13 22	4 55	22 8	2 1	7 16	1 30	10 24	0 28	2 55	1 35	4 43	2 18	3 51	0 38	6 50	1 52	24 16	12 13	10 20	10 44	17 54	11 7	0 10	F 28
S 29	15 49	15 56	5 1	21 53	1 49	7 45	1 29	10 39	0 28	2 53	1 35	4 45	2 18	3 52	0 39	6 49	1 52	24 16	12 13	10 25	10 45	17 55	11 10	0 10	S 29
S 30	16 7	17 49	4 55	21 34	1 35	8 13	1 29	10 54	0 27	2 51	1 35	4 48	2 19	3 53	0 39	6 49	1 52	24 16	12 14	10 29	10 46	17 56	11 12	0 11	S 30
M31	16s25	18n55	4s35	21s11	1s20	8s42	1n28	11s 9	0n27	2n49	1s34	4s50	2n19	3s55	0n39	6n48	1s52	24n16	12n14	10n33	10n48	17n57	11s15	0n11	M31

Julian Day Number = 2165475.5, Delta T = 12m48s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'06, Lahiri = 12°56'07 Julian Calendar 1 Oct. 1216 == Greg. Calendar 8 Oct. 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

NOVEMBER 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 34	16♏ 4'04	8♋43	27°R38	27♎11	0♏51	10°R39	17♎48	11♎23	21°R48	26♌17	2°R33	1♍59	17♊ 5	29♎51	T 1
W 2	3 13 31	17° 4'42	20°36	26♏41	28°26	1°32	10♈34	17°55	11°26	21♈46	26°17	2♍27	1°56	17°12	29°59	W 2
T 3	3 17 28	18° 5'22	2♌35	25°35	29°41	2°13	10°29	18° 1	11°30	21°45	26°18	2°24	1°53	17°19	0♏ 7	T 3
F 4	3 21 24	19° 6'04	14°46	24°22	0♏56	2°55	10°24	18° 8	11°33	21°44	26°18	2°D23	1°49	17°25	0°15	F 4
S 5	3 25 21	20° 6'47	27°13	23° 3	2°11	3°36	10°20	18°15	11°36	21°42	26°19	2°R23	1°46	17°32	0°24	S 5
S 6	3 29 17	21° 7'32	10♍ 3	21°42	3°27	4°17	10°15	18°21	11°39	21°41	26°19	2°23	1°43	17°39	0°32	S 6
M 7	3 33 14	22° 8'18	23°18	20°20	4°42	4°58	10°11	18°28	11°42	21°39	26°20	2°22	1°40	17°46	0°40	M 7
T 8	3 37 10	23° 9'06	7♎ 3	19° 0	5°57	5°40	10° 7	18°34	11°45	21°38	26°20	2°18	1°37	17°52	0°48	T 8
W 9	3 41 7	24° 9'56	21°19	17°46	7°13	6°21	10° 3	18°40	11°48	21°36	26°21	2°11	1°34	17°59	0°56	W 9
T 10	3 45 3	25°10'47	6♏ 1	16°39	8°28	7° 3	9°59	18°47	11°51	21°35	26°21	2° 2	1°30	18° 6	1° 4	T 10
F 11	3 49 0	26°11'39	21° 5	15°41	9°43	7°44	9°56	18°53	11°54	21°34	26°21	1°51	1°27	18°12	1°11	F 11
S 12	3 52 56	27°12'33	6♐20	14°54	10°59	8°26	9°53	18°59	11°57	21°33	26°22	1°39	1°24	18°19	1°19	S 12
S 13	3 56 53	28°13'27	21°36	14°17	12°14	9° 7	9°50	19° 5	12° 0	21°31	26°22	1°28	1°21	18°26	1°27	S 13
M14	4 0 50	29°14'23	6♑41	13°53	13°29	9°49	9°47	19°12	12° 3	21°30	26°22	1°19	1°18	18°33	1°35	M14
T 15	4 4 46	0♐15'20	21°26	13°40	14°45	10°31	9°44	19°18	12° 6	21°29	26°22	1°12	1°15	18°39	1°43	T 15
W16	4 8 43	1°16'17	5♒46	13°D37	16° 0	11°12	9°42	19°24	12° 9	21°28	26°22	1° 9	1°11	18°46	1°50	W16
T 17	4 12 39	2°17'15	19°40	13°45	17°16	11°54	9°39	19°30	12°11	21°26	26°23	1° 7	1° 8	18°53	1°58	T 17
F 18	4 16 36	3°18'14	3♓ 7	14° 3	18°31	12°36	9°37	19°36	12°14	21°25	26°23	1° 7	1° 5	18°59	2° 6	F 18
S 19	4 20 32	4°19'14	16°12	14°29	19°46	13°18	9°36	19°41	12°17	21°24	26°23	1° 7	1° 2	19° 6	2°13	S 19
S 20	4 24 29	5°20'14	28°58	15° 3	21° 2	13°59	9°34	19°47	12°20	21°23	26°23	1° 5	0°59	19°13	2°21	S 20
M21	4 28 26	6°21'14	11♈28	15°44	22°17	14°41	9°33	19°53	12°22	21°22	26°R23	1° 1	0°55	19°20	2°28	M21
T 22	4 32 22	7°22'15	23°47	16°31	23°33	15°23	9°31	19°59	12°25	21°21	26°23	0°54	0°52	19°26	2°36	T 22
W23	4 36 19	8°23'17	5♉57	17°23	24°48	16° 5	9°30	20° 4	12°27	21°20	26°23	0°44	0°49	19°33	2°43	W23
T 24	4 40 15	9°24'20	18° 0	18°21	26° 3	16°47	9°30	20°10	12°30	21°19	26°23	0°31	0°46	19°40	2°51	T 24
F 25	4 44 12	10°25'23	29°58	19°22	27°19	17°29	9°29	20°15	12°32	21°18	26°23	0°17	0°43	19°46	2°58	F 25
S 26	4 48 8	11°26'27	11♊53	20°27	28°34	18°11	9°29	20°21	12°35	21°17	26°22	0° 2	0°40	19°53	3° 5	S 26
S 27	4 52 5	12°27'32	23°45	21°36	29°50	18°53	9°D28	20°26	12°37	21°16	26°22	29♌48	0°36	20° 0	3°12	S 27
M28	4 56 1	13°28'37	5♋36	22°47	1♐ 5	19°35	9°28	20°31	12°39	21°15	26°22	29°36	0°33	20° 7	3°20	M28
T 29	4 59 58	14°29'43	17°28	24° 1	2°21	20°18	9°29	20°37	12°41	21°14	26°22	29°26	0°30	20°13	3°27	T 29
W30	5 3 55	15♐30'50	29♋23	25♏16	3♐36	21♏ 0	9♈29	20♎42	12♎44	21♈13	26♌22	29♌19	0♍27	20♊20	3♏34	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s43	19n12	4s 4	20s44	1s 3	9s10	1n26	11s24	0n26	2n47	1s34	4s53	2n19	3s56	0n39	6n48	1s52	24n16	12n14	10n36	10n49	17n58	11s18	0n11
W 2	17 0	18 37	3 22	20 13	0 45	9 38	1 25	11 39	0 26	2 46	1 34	4 55	2 19	3 57	0 39	6 47	1 52	24 17	12 15	10 39	10 50	17 59	11 20	0 11
T 3	17 17	17 13	2 31	19 39	0 25	10 6	1 24	11 54	0 25	2 44	1 34	4 57	2 19	3 58	0 39	6 47	1 52	24 17	12 15	10 40	10 51	17 59	11 23	0 12
F 4	17 34	15 0	1 32	19 1	0 5	10 33	1 23	12 9	0 25	2 42	1 33	5 0	2 19	4 0	0 39	6 46	1 52	24 17	12 16	10 40	10 52	18 0	11 25	0 12
S 5	17 51	12 4	0 27	18 22	0n16	11 0	1 22	12 23	0 24	2 41	1 33	5 2	2 19	4 1	0 39	6 46	1 52	24 17	12 16	10 40	10 53	18 1	11 28	0 12
S 6	18 7	8 27	0n40	17 41	0 36	11 28	1 20	12 38	0 24	2 39	1 33	5 5	2 19	4 2	0 39	6 45	1 52	24 17	12 17	10 40	10 54	18 2	11 31	0 13
M 7	18 23	4 20	1 48	17 0	0 56	11 54	1 19	12 52	0 23	2 38	1 32	5 7	2 19	4 3	0 39	6 45	1 52	24 18	12 17	10 41	10 56	18 3	11 33	0 13
T 8	18 38	0s11	2 52	16 20	1 15	12 21	1 17	13 7	0 23	2 37	1 32	5 9	2 20	4 4	0 39	6 44	1 52	24 18	12 18	10 42	10 57	18 4	11 36	0 13
W 9	18 53	4 49	3 48	15 43	1 32	12 47	1 16	13 21	0 22	2 35	1 32	5 12	2 20	4 6	0 39	6 44	1 52	24 18	12 18	10 44	10 58	18 5	11 38	0 13
T 10	19 8	9 20	4 30	15 9	1 48	13 13	1 14	13 35	0 21	2 34	1 32	5 14	2 20	4 7	0 39	6 43	1 52	24 18	12 18	10 48	10 59	18 5	11 41	0 14
F 11	19 23	13 21	4 55	14 40	2 2	13 38	1 13	13 49	0 21	2 33	1 31	5 16	2 20	4 8	0 39	6 43	1 52	24 19	12 19	10 52	11 0	18 6	11 43	0 14
S 12	19 37	16 33	4 59	14 15	2 13	14 4	1 11	14 3	0 20	2 32	1 31	5 18	2 20	4 9	0 39	6 42	1 52	24 19	12 19	10 56	11 1	18 7	11 46	0 14
S 13	19 51	18 35	4 42	13 55	2 23	14 28	1 9	14 17	0 20	2 31	1 31	5 21	2 20	4 10	0 39	6 42	1 52	24 19	12 20	11 0	11 2	18 8	11 48	0 14
M14	20 4	19 17	4 5	13 41	2 30	14 53	1 7	14 31	0 19	2 30	1 30	5 23	2 20	4 11	0 39	6 42	1 52	24 20	12 20	11 3	11 4	18 9	11 51	0 15
T 15	20 17	18 39	3 13	13 32	2 35	15 17	1 5	14 44	0 19	2 30	1 30	5 25	2 21	4 12	0 39	6 41	1 52	24 20	12 21	11 5	11 5	18 9	11 53	0 15
W16	20 30	16 49	2 10	13 28	2 38	15 41	1 4	14 58	0 18	2 29	1 30	5 27	2 21	4 13	0 39	6 41	1 52	24 20	12 21	11 7	11 6	18 10	11 55	0 15
T 17	20 42	14 2	1 0	13 29	2 40	16 4	1 2	15 11	0 18	2 28	1 30	5 29	2 21	4 15	0 39	6 40	1 51	24 21	12 22	11 7	11 7	18 11	11 58	0 16
F 18	20 54	10 34	0s11	13 34	2 41	16 27	1 0	15 25	0 17	2 28	1 29	5 31	2 21	4 16	0 39	6 40	1 51	24 21	12 22	11 7	11 8	18 12	12 0	0 16
S 19	21 6	6 40	1 19	13 43	2 39	16 50	0 58	15 38	0 16	2 27	1 29	5 33	2 21	4 17	0 39	6 39	1 51	24 22	12 22	11 7	11 9	18 13	12 2	0 16
S 20	21 17	2 34	2 21	13 55	2 37	17 12	0 56	15 51	0 16	2 27	1 29	5 35	2 21	4 18	0 39	6 39	1 51	24 22	12 23	11 8	11 10	18 14	12 5	0 17
M21	21 28	1n33	3 16	14 9	2 34	17 33	0 54	16 4	0 15	2 27	1 28	5 37	2 22	4 19	0 39	6 39	1 51	24 22	12 23	11 9	11 11	18 14	12 7	0 17
T 22	21 38	5 33	4 0	14 27	2 30	17 54	0 52	16 17	0 15	2 26	1 28	5 39	2 22	4 20	0 39	6 38	1 51	24 23	12 24	11 12	11 13	18 15	12 9	0 17
W23	21 48	9 16	4 33	14 46	2 25	18 15	0 49	16 30	0 14	2 26	1 28	5 41	2 22	4 21	0 39	6 38	1 51	24 23	12 24	11 16	11 14	18 16	12 12	0 17
T 24	21 57	12 35	4 53	15 7	2 20	18 35	0 47	16 42	0 13	2 26	1 27	5 43	2 22	4 22	0 39	6 38	1 51	24 24	12 25	11 20	11 15	18 17	12 14	0 18
F 25	22 6	15 21	5 0	15 29	2 14	18 55	0 45	16 55	0 13	2 26	1 27	5 45	2 22	4 22	0 39	6 37	1 51	24 24	12 25	11 25	11 16	18 18	12 16	0 18
S 26	22 15	17 27	4 53	15 53	2 8	19 14	0 43	17 7	0 12	2 27	1 27	5 47	2 22	4 23	0 39	6 37	1 51	24 25	12 26	11 30	11 17	18 18	12 18	0 18
S 27	22 23	18 49	4 34	16 17	2 1	19 32	0 41	17 19	0 12	2 27	1 26	5 49	2 23	4 24	0 39	6 37	1 51	24 25	12 26	11 35	11 18	18 19	12 21	0 19
M28	22 31	19 22	4 4	16 42	1 54	19 50	0 38	17 32	0 11	2 27	1 26	5 51	2 23	4 25	0 39	6 36	1 51	24 25	12 26	11 40	11 19	18 20	12 23	0 19
T 29	22 38	19 3	3 22	17 7	1 47	20 8	0 36	17 44	0 10	2 27	1 26	5 52	2 23	4 26	0 39	6 36	1 51	24 26	12 27	11 43	11 20	18 21	12 25	0 19
W30	22s45	17n54	2s31	17s33	1n40	20s25	0n34	17s55	0n10	2n28	1s25	5s54	2n23	4s27	0n39	6n36	1s51	24n26	12n27	11n46	11n22	18n21	12s27	0n19

Julian Day Number = 2165506.5, Delta T = 12m47s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'11, Lahiri = 12°56'11 Julian Calendar 1 Nov. 1216 == Greg. Calendar 8 Nov. 1216

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ASTRODIENST EPHEMERIS for the year 1216
geocentric

DECEMBER 1216 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 51	16♐31'57	11♌25	26♏34	4♐52	21♏42	9♈30	20♎47	12♎46	21°R12	26°R21	29°R15	0♍24	20♊27	3♏41	T 1
F 2	5 11 48	17°33'05	23°35	27°53	6° 7	22°24	9°31	20°52	12°48	21♈12	26♌21	29♌14	0°21	20°33	3°48	F 2
S 3	5 15 44	18°34'14	6♍ 1	29°14	7°23	23° 7	9°32	20°57	12°50	21°11	26°21	29°D14	0°17	20°40	3°54	S 3
S 4	5 19 41	19°35'23	18°45	0♐36	8°38	23°49	9°33	21° 2	12°52	21°10	26°20	29°R14	0°14	20°47	4° 1	S 4
M 5	5 23 37	20°36'33	1♎52	1°59	9°54	24°31	9°35	21° 7	12°54	21°10	26°20	29°13	0°11	20°54	4° 8	M 5
T 6	5 27 34	21°37'44	15°28	3°23	11° 9	25°14	9°36	21°11	12°56	21° 9	26°19	29°11	0° 8	21° 0	4°15	T 6
W 7	5 31 30	22°38'55	29°32	4°48	12°25	25°56	9°38	21°16	12°58	21° 8	26°19	29° 6	0° 5	21° 7	4°21	W 7
T 8	5 35 27	23°40'07	14♏ 6	6°13	13°40	26°39	9°40	21°21	13° 0	21° 8	26°18	28°59	0° 1	21°14	4°28	T 8
F 9	5 39 24	24°41'19	29° 4	7°40	14°56	27°21	9°43	21°25	13° 2	21° 7	26°18	28°49	29♌58	21°20	4°34	F 9
S 10	5 43 20	25°42'32	14♐19	9° 7	16°11	28° 4	9°45	21°30	13° 3	21° 7	26°17	28°39	29°55	21°27	4°41	S 10
S 11	5 47 17	26°43'45	29°40	10°35	17°27	28°47	9°48	21°34	13° 5	21° 6	26°17	28°30	29°52	21°34	4°47	S 11
M12	5 51 13	27°44'58	14♑56	12° 3	18°42	29°29	9°51	21°38	13° 7	21° 6	26°16	28°22	29°49	21°41	4°53	M12
T 13	5 55 10	28°46'11	29°55	13°32	19°58	0♐12	9°54	21°42	13° 8	21° 5	26°15	28°16	29°46	21°47	4°59	T 13
W14	5 59 6	29°47'24	14♒30	15° 1	21°13	0°55	9°57	21°46	13°10	21° 5	26°15	28°13	29°42	21°54	5° 5	W14
T 15	6 3 3	0♑48'36	28°37	16°31	22°29	1°38	10° 1	21°50	13°11	21° 4	26°14	28°D12	29°39	22° 1	5°11	T 15
F 16	6 6 59	1°49'49	12♓15	18° 1	23°44	2°20	10° 5	21°54	13°13	21° 4	26°13	28°13	29°36	22° 7	5°17	F 16
S 17	6 10 56	2°51'00	25°27	19°31	25° 0	3° 3	10° 8	21°58	13°14	21° 4	26°12	28°13	29°33	22°14	5°23	S 17
S 18	6 14 53	3°52'12	8♈14	21° 3	26°15	3°46	10°13	22° 2	13°15	21° 4	26°12	28°R14	29°30	22°21	5°29	S 18
M19	6 18 49	4°53'22	20°43	22°34	27°30	4°29	10°17	22° 6	13°17	21° 3	26°11	28°12	29°27	22°28	5°35	M19
T 20	6 22 46	5°54'33	2♉57	24° 6	28°46	5°12	10°21	22° 9	13°18	21° 3	26°10	28° 8	29°23	22°34	5°40	T 20
W21	6 26 42	6°55'43	15° 1	25°38	0♑ 1	5°55	10°26	22°13	13°19	21° 3	26° 9	28° 2	29°20	22°41	5°46	W21
T 22	6 30 39	7°56'52	26°57	27°11	1°17	6°38	10°31	22°16	13°20	21° 3	26° 8	27°54	29°17	22°48	5°51	T 22
F 23	6 34 35	8°58'01	8♊50	28°44	2°32	7°21	10°36	22°19	13°21	21° 3	26° 7	27°45	29°14	22°54	5°57	F 23
S 24	6 38 32	9°59'10	20°42	0♑18	3°48	8° 4	10°41	22°23	13°22	21° 3	26° 6	27°35	29°11	23° 1	6° 2	S 24
S 25	6 42 28	11° 0'18	2♋34	1°52	5° 3	8°48	10°46	22°26	13°23	21°D 3	26° 5	27°25	29° 7	23° 8	6° 7	S 25
M26	6 46 25	12° 1'25	14°28	3°26	6°19	9°31	10°52	22°29	13°24	21° 3	26° 4	27°17	29° 4	23°15	6°13	M26
T 27	6 50 22	13° 2'32	26°26	5° 1	7°34	10°14	10°58	22°32	13°25	21° 3	26° 3	27°11	29° 1	23°21	6°18	T 27
W28	6 54 18	14° 3'39	8♌29	6°37	8°49	10°57	11° 4	22°35	13°26	21° 3	26° 2	27° 6	28°58	23°28	6°23	W28
T 29	6 58 15	15° 4'45	20°39	8°13	10° 5	11°40	11°10	22°37	13°26	21° 3	26° 1	27° 5	28°55	23°35	6°27	T 29
F 30	7 2 11	16° 5'51	2♍59	9°49	11°20	12°24	11°16	22°40	13°27	21° 3	26° 0	27°D 4	28°52	23°41	6°32	F 30
S 31	7 6 8	17♑ 6'56	15♍31	11♑27	12♑36	13♐ 7	11♈22	22♎43	13♎28	21♈ 3	25♌59	27♌ 6	28♌48	23♊48	6♏37	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s51	15n56	1s33	17s58	1n32	20s41	0n31	18s 7	0n 9	2n29	1s25	5s56	2n23	4s28	0n39	6n36	1s51	24n27	12n28	11n47	11n23	18n22	12s29	0n20
F 2	22 57	13 14	0 30	18 24	1 25	20 56	0 29	18 19	0 9	2 29	1 25	5 58	2 24	4 28	0 39	6 35	1 51	24 27	12 28	11 47	11 24	18 23	12 31	0 20
S 3	23 3	9 54	0n36	18 49	1 17	21 12	0 27	18 30	0 8	2 30	1 24	5 59	2 24	4 29	0 39	6 35	1 51	24 28	12 29	11 47	11 25	18 24	12 33	0 20
S 4	23 8	6 2	1 42	19 14	1 9	21 26	0 24	18 41	0 7	2 31	1 24	6 1	2 24	4 30	0 39	6 35	1 51	24 29	12 29	11 47	11 26	18 24	12 35	0 21
M 5	23 12	1 46	2 44	19 38	1 1	21 40	0 22	18 52	0 7	2 32	1 24	6 3	2 24	4 31	0 39	6 35	1 51	24 29	12 29	11 48	11 27	18 25	12 37	0 21
T 6	23 16	2s44	3 40	20 2	0 54	21 53	0 20	19 3	0 6	2 33	1 23	6 4	2 24	4 31	0 39	6 35	1 51	24 30	12 30	11 48	11 28	18 26	12 39	0 21
W 7	23 20	7 14	4 24	20 26	0 46	22 6	0 17	19 14	0 5	2 34	1 23	6 6	2 25	4 32	0 39	6 34	1 51	24 30	12 30	11 50	11 29	18 27	12 41	0 22
T 8	23 23	11 28	4 53	20 49	0 38	22 18	0 15	19 25	0 5	2 35	1 23	6 7	2 25	4 33	0 39	6 34	1 50	24 31	12 31	11 53	11 31	18 28	12 43	0 22
F 9	23 26	15 6	5 3	21 11	0 30	22 29	0 12	19 35	0 4	2 36	1 23	6 9	2 25	4 34	0 39	6 34	1 50	24 31	12 31	11 56	11 32	18 28	12 45	0 22
S 10	23 28	17 47	4 52	21 32	0 23	22 39	0 10	19 45	0 3	2 37	1 22	6 10	2 25	4 34	0 39	6 34	1 50	24 32	12 31	11 59	11 33	18 29	12 47	0 23
S 11	23 30	19 12	4 20	21 52	0 15	22 49	0 7	19 55	0 3	2 39	1 22	6 12	2 25	4 35	0 39	6 34	1 50	24 32	12 32	12 3	11 34	18 30	12 49	0 23
M12	23 31	19 14	3 29	22 12	0 8	22 58	0 5	20 5	0 2	2 40	1 22	6 13	2 26	4 35	0 40	6 34	1 50	24 33	12 32	12 6	11 35	18 30	12 50	0 23
T 13	23 32	17 53	2 25	22 31	0 0	23 7	0 3	20 15	0 1	2 42	1 21	6 14	2 26	4 36	0 40	6 34	1 50	24 34	12 33	12 8	11 36	18 31	12 52	0 23
W14	23 32	15 23	1 13	22 48	0s 7	23 15	0 0	20 25	0 1	2 43	1 21	6 16	2 26	4 37	0 40	6 33	1 50	24 34	12 33	12 9	11 37	18 32	12 54	0 24
T 15	23 32	12 2	0s 2	23 5	0 14	23 22	0s 2	20 34	0 0	2 45	1 21	6 17	2 26	4 37	0 40	6 33	1 50	24 35	12 33	12 9	11 38	18 33	12 56	0 24
F 16	23 32	8 8	1 15	23 21	0 21	23 28	0 5	20 43	0s 1	2 47	1 20	6 18	2 27	4 38	0 40	6 33	1 50	24 36	12 34	12 9	11 40	18 33	12 57	0 24
S 17	23 30	3 58	2 21	23 35	0 28	23 34	0 7	20 52	0 1	2 48	1 20	6 19	2 27	4 38	0 40	6 33	1 50	24 36	12 34	12 8	11 41	18 34	12 59	0 25
S 18	23 29	0n15	3 18	23 48	0 34	23 39	0 10	21 1	0 2	2 50	1 20	6 21	2 27	4 39	0 40	6 33	1 50	24 37	12 35	12 8	11 42	18 35	13 1	0 25
M19	23 27	4 21	4 4	24 1	0 41	23 43	0 12	21 10	0 3	2 52	1 19	6 22	2 27	4 39	0 40	6 33	1 50	24 37	12 35	12 9	11 43	18 36	13 2	0 25
T 20	23 24	8 12	4 38	24 12	0 47	23 46	0 14	21 19	0 3	2 54	1 19	6 23	2 27	4 40	0 40	6 33	1 50	24 38	12 35	12 10	11 44	18 36	13 4	0 26
W21	23 21	11 39	4 59	24 21	0 53	23 49	0 17	21 27	0 4	2 56	1 19	6 24	2 28	4 40	0 40	6 33	1 50	24 39	12 36	12 12	11 45	18 37	13 5	0 26
T 22	23 18	14 35	5 6	24 30	0 59	23 51	0 19	21 35	0 5	2 59	1 18	6 25	2 28	4 40	0 40	6 33	1 50	24 39	12 36	12 15	11 46	18 38	13 7	0 26
F 23	23 14	16 55	5 1	24 37	1 5	23 52	0 21	21 43	0 5	3 1	1 18	6 26	2 28	4 41	0 40	6 33	1 50	24 40	12 36	12 18	11 47	18 38	13 8	0 27
S 24	23 10	18 31	4 42	24 43	1 11	23 53	0 24	21 51	0 6	3 3	1 18	6 27	2 28	4 41	0 40	6 33	1 50	24 41	12 37	12 22	11 48	18 39	13 10	0 27
S 25	23 5	19 19	4 11	24 48	1 16	23 52	0 26	21 58	0 7	3 6	1 18	6 28	2 29	4 41	0 40	6 33	1 49	24 41	12 37	12 25	11 50	18 40	13 11	0 27
M26	23 0	19 17	3 30	24 51	1 21	23 51	0 28	22 5	0 7	3 8	1 17	6 29	2 29	4 42	0 40	6 33	1 49	24 42	12 37	12 28	11 51	18 40	13 13	0 28
T 27	22 54	18 22	2 38	24 53	1 26	23 50	0 31	22 12	0 8	3 11	1 17	6 30	2 29	4 42	0 40	6 33	1 49	24 43	12 38	12 30	11 52	18 41	13 14	0 28
W28	22 48	16 37	1 39	24 53	1 31	23 47	0 33	22 19	0 9	3 13	1 17	6 30	2 29	4 42	0 40	6 34	1 49	24 43	12 38	12 32	11 53	18 42	13 15	0 28
T 29	22 41	14 7	0 35	24 52	1 35	23 44	0 35	22 26	0 9	3 16	1 16	6 31	2 30	4 43	0 40	6 34	1 49	24 44	12 39	12 32	11 54	18 43	13 17	0 29
F 30	22 34	10 57	0n32	24 49	1 39	23 40	0 37	22 33	0 10	3 18	1 16	6 32	2 30	4 43	0 40	6 34	1 49	24 45	12 39	12 32	11 55	18 43	13 18	0 29
S 31	22s26	7n15	1n39	24s45	1s43	23s35	0s39	22s39	0s11	3n21	1s16	6s33	2n30	4s43	0n40	6n34	1s49	24n46	12n39	12n32	11n56	18n44	13s19	0n29

Julian Day Number = 2165536.5, Delta T = 12m47s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'15, Lahiri = 12°56'15 Julian Calendar 1 Dec. 1216 == Greg. Calendar 8 Dec. 1216

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1217
geocentric

JANUARY 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 4	18♑ 8'01	28♍18	13♑ 4	13♑51	13♐51	11♈29	22♎45	13♎28	21♈ 4	25°R58	27♌ 7	28♌45	23♊55	6♏41	S 1
M 2	7 14 1	19° 9'05	11♎25	14°42	15° 6	14°34	11°36	22°47	13°29	21° 4	25♌57	27° 9	28°42	24° 2	6°46	M 2
T 3	7 17 57	20°10'09	24°53	16°21	16°22	15°18	11°43	22°50	13°29	21° 4	25°56	27°R 9	28°39	24° 8	6°50	T 3
W 4	7 21 54	21°11'13	8♏45	18° 1	17°37	16° 1	11°50	22°52	13°29	21° 5	25°54	27° 7	28°36	24°15	6°55	W 4
T 5	7 25 51	22°12'16	23° 2	19°40	18°53	16°45	11°57	22°54	13°30	21° 5	25°53	27° 4	28°32	24°22	6°59	T 5
F 6	7 29 47	23°13'18	7♐41	21°21	20° 8	17°28	12° 4	22°56	13°30	21° 5	25°52	27° 0	28°29	24°28	7° 3	F 6
S 7	7 33 44	24°14'20	22°38	23° 2	21°23	18°12	12°12	22°58	13°30	21° 6	25°51	26°55	28°26	24°35	7° 7	S 7
S 8	7 37 40	25°15'22	7♑44	24°44	22°39	18°56	12°20	22°59	13°30	21° 6	25°50	26°50	28°23	24°42	7°11	S 8
M 9	7 41 37	26°16'22	22°50	26°27	23°54	19°39	12°28	23° 1	13°30	21° 7	25°48	26°46	28°20	24°49	7°15	M 9
T 10	7 45 33	27°17'22	7♒46	28°10	25° 9	20°23	12°36	23° 3	13°R31	21° 7	25°47	26°43	28°17	24°55	7°18	T 10
W11	7 49 30	28°18'20	22°25	29°54	26°25	21° 7	12°44	23° 4	13°30	21° 8	25°46	26°D42	28°13	25° 2	7°22	W11
T 12	7 53 27	29°19'17	6♓39	1♒38	27°40	21°51	12°52	23° 5	13°30	21° 8	25°44	26°43	28°10	25° 9	7°26	T 12
F 13	7 57 23	0♒20'13	20°27	3°23	28°55	22°34	13° 0	23° 7	13°30	21° 9	25°43	26°44	28° 7	25°15	7°29	F 13
S 14	8 1 20	1°21'07	3♈48	5° 9	0♒11	23°18	13° 9	23° 8	13°30	21°10	25°42	26°45	28° 4	25°22	7°32	S 14
S 15	8 5 16	2°22'00	16°44	6°55	1°26	24° 2	13°18	23° 9	13°30	21°11	25°40	26°47	28° 1	25°29	7°35	S 15
M16	8 9 13	3°22'52	29°18	8°42	2°41	24°46	13°27	23°10	13°30	21°11	25°39	26°R48	27°58	25°35	7°39	M16
T 17	8 13 9	4°23'42	11♉34	10°29	3°56	25°30	13°36	23°11	13°29	21°12	25°37	26°48	27°54	25°42	7°42	T 17
W18	8 17 6	5°24'30	23°38	12°17	5°12	26°14	13°45	23°11	13°29	21°13	25°36	26°46	27°51	25°49	7°44	W18
T 19	8 21 2	6°25'17	5♊33	14° 5	6°27	26°58	13°54	23°12	13°28	21°14	25°35	26°44	27°48	25°56	7°47	T 19
F 20	8 24 59	7°26'03	17°25	15°53	7°42	27°42	14° 3	23°12	13°28	21°15	25°33	26°41	27°45	26° 2	7°50	F 20
S 21	8 28 56	8°26'47	29°16	17°41	8°57	28°26	14°13	23°13	13°27	21°15	25°32	26°38	27°42	26° 9	7°52	S 21
S 22	8 32 52	9°27'30	11♋ 9	19°29	10°13	29°10	14°23	23°13	13°27	21°16	25°30	26°35	27°38	26°16	7°55	S 22
M23	8 36 49	10°28'11	23° 8	21°17	11°28	29°54	14°32	23°13	13°26	21°17	25°29	26°33	27°35	26°22	7°57	M23
T 24	8 40 45	11°28'50	5♌14	23° 5	12°43	0♑39	14°42	23°R13	13°25	21°18	25°27	26°31	27°32	26°29	7°59	T 24
W25	8 44 42	12°29'28	17°29	24°51	13°58	1°23	14°52	23°13	13°25	21°19	25°26	26°30	27°29	26°36	8° 2	W25
T 26	8 48 38	13°30'05	29°54	26°37	15°13	2° 7	15° 2	23°13	13°24	21°21	25°24	26°D30	27°26	26°43	8° 4	T 26
F 27	8 52 35	14°30'40	12♍31	28°21	16°28	2°51	15°13	23°13	13°23	21°22	25°23	26°30	27°23	26°49	8° 5	F 27
S 28	8 56 31	15°31'13	25°20	0♓ 4	17°44	3°36	15°23	23°13	13°22	21°23	25°21	26°31	27°19	26°56	8° 7	S 28
S 29	9 0 28	16°31'46	8♎23	1°44	18°59	4°20	15°33	23°12	13°21	21°24	25°20	26°32	27°16	27° 3	8° 9	S 29
M30	9 4 24	17°32'17	21°40	3°22	20°14	5° 4	15°44	23°12	13°20	21°25	25°18	26°33	27°13	27° 9	8°10	M30
T 31	9 8 21	18♒32'46	5♏13	4♓56	21♒29	5♑49	15♈55	23♎11	13♎19	21♈26	25♌17	26♌34	27♌10	27♊16	8♏12	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s18	3n 9	2n42	24s40	1s47	23s30	0s41	22s45	0s12	3n24	1s16	6s33	2n30	4s43	0n40	6n34	1s49	24n46	12n39	12n31	11n57	18n45	13s20	0n30
M 2	22 10	1s11	3 38	24 33	1 50	23 24	0 43	22 51	0 12	3 27	1 15	6 34	2 31	4 43	0 40	6 34	1 49	24 47	12 40	12 31	11 58	18 45	13 21	0 30
T 3	22 1	5 35	4 24	24 24	1 53	23 17	0 45	22 56	0 13	3 30	1 15	6 35	2 31	4 44	0 40	6 34	1 49	24 48	12 40	12 31	12 0	18 46	13 23	0 30
W 4	21 52	9 48	4 56	24 14	1 56	23 9	0 47	23 2	0 14	3 33	1 15	6 35	2 31	4 44	0 40	6 35	1 49	24 48	12 40	12 31	12 1	18 47	13 24	0 31
T 5	21 42	13 35	5 11	24 2	1 58	23 1	0 49	23 7	0 14	3 36	1 14	6 36	2 32	4 44	0 40	6 35	1 49	24 49	12 41	12 32	12 2	18 47	13 25	0 31
F 6	21 32	16 39	5 6	23 49	2 0	22 52	0 51	23 12	0 15	3 39	1 14	6 36	2 32	4 44	0 40	6 35	1 49	24 50	12 41	12 34	12 3	18 48	13 26	0 31
S 7	21 21	18 39	4 41	23 33	2 1	22 42	0 53	23 17	0 16	3 42	1 14	6 37	2 32	4 44	0 40	6 35	1 49	24 50	12 41	12 35	12 4	18 49	13 27	0 32
S 8	21 10	19 23	3 56	23 17	2 3	22 32	0 55	23 21	0 17	3 46	1 14	6 37	2 32	4 44	0 40	6 35	1 49	24 51	12 42	12 37	12 5	18 49	13 28	0 32
M 9	20 59	18 43	2 55	22 58	2 3	22 21	0 57	23 25	0 17	3 49	1 13	6 37	2 33	4 44	0 40	6 36	1 49	24 52	12 42	12 39	12 6	18 50	13 29	0 32
T 10	20 47	16 46	1 42	22 38	2 4	22 9	0 59	23 29	0 18	3 52	1 13	6 38	2 33	4 44	0 40	6 36	1 48	24 53	12 42	12 39	12 7	18 51	13 30	0 33
W11	20 35	13 44	0 24	22 16	2 4	21 57	1 0	23 33	0 19	3 56	1 13	6 38	2 33	4 44	0 40	6 36	1 48	24 53	12 42	12 40	12 8	18 51	13 30	0 33
T 12	20 23	9 57	0s54	21 53	2 3	21 44	1 2	23 37	0 20	3 59	1 13	6 38	2 33	4 44	0 40	6 36	1 48	24 54	12 43	12 40	12 10	18 52	13 31	0 33
F 13	20 10	5 44	2 7	21 28	2 2	21 30	1 4	23 40	0 20	4 3	1 12	6 38	2 34	4 44	0 41	6 37	1 48	24 55	12 43	12 39	12 11	18 52	13 32	0 34
S 14	19 56	1 23	3 10	21 1	2 1	21 15	1 5	23 43	0 21	4 6	1 12	6 39	2 34	4 44	0 41	6 37	1 48	24 55	12 43	12 39	12 12	18 53	13 33	0 34
S 15	19 43	2n53	4 1	20 32	1 59	21 0	1 7	23 46	0 22	4 10	1 12	6 39	2 34	4 44	0 41	6 37	1 48	24 56	12 43	12 38	12 13	18 54	13 33	0 35
M16	19 29	6 55	4 40	20 2	1 57	20 45	1 8	23 49	0 23	4 14	1 12	6 39	2 34	4 43	0 41	6 38	1 48	24 57	12 44	12 38	12 14	18 54	13 34	0 35
T 17	19 14	10 33	5 4	19 30	1 54	20 29	1 10	23 51	0 23	4 18	1 11	6 39	2 35	4 43	0 41	6 38	1 48	24 57	12 44	12 38	12 15	18 55	13 35	0 35
W18	19 0	13 41	5 14	18 57	1 50	20 12	1 11	23 53	0 24	4 21	1 11	6 39	2 35	4 43	0 41	6 38	1 48	24 58	12 44	12 38	12 16	18 56	13 35	0 36
T 19	18 45	16 13	5 11	18 22	1 46	19 54	1 12	23 55	0 25	4 25	1 11	6 39	2 35	4 43	0 41	6 39	1 48	24 59	12 44	12 39	12 17	18 56	13 36	0 36
F 20	18 29	18 3	4 55	17 45	1 41	19 36	1 14	23 57	0 26	4 29	1 11	6 39	2 36	4 43	0 41	6 39	1 48	25 0	12 44	12 40	12 18	18 57	13 36	0 36
S 21	18 14	19 7	4 26	17 7	1 36	19 18	1 15	23 58	0 26	4 33	1 10	6 39	2 36	4 42	0 41	6 40	1 48	25 0	12 45	12 41	12 19	18 57	13 37	0 37
S 22	17 58	19 20	3 45	16 27	1 29	18 59	1 16	23 59	0 27	4 37	1 10	6 39	2 36	4 42	0 41	6 40	1 48	25 1	12 45	12 42	12 21	18 58	13 37	0 37
M23	17 41	18 41	2 54	15 46	1 23	18 39	1 17	24 0	0 28	4 41	1 10	6 38	2 36	4 42	0 41	6 40	1 48	25 2	12 45	12 43	12 22	18 59	13 38	0 37
T 24	17 25	17 11	1 55	15 4	1 15	18 19	1 18	24 1	0 29	4 45	1 10	6 38	2 37	4 42	0 41	6 41	1 48	25 2	12 45	12 44	12 23	18 59	13 38	0 38
W25	17 8	14 52	0 50	14 20	1 7	17 58	1 19	24 1	0 30	4 49	1 9	6 38	2 37	4 41	0 41	6 41	1 48	25 3	12 45	12 44	12 24	19 0	13 38	0 38
T 26	16 50	11 51	0n19	13 36	0 58	17 37	1 20	24 2	0 30	4 53	1 9	6 38	2 37	4 41	0 41	6 42	1 48	25 4	12 45	12 44	12 25	19 0	13 39	0 39
F 27	16 33	8 14	1 28	12 51	0 48	17 15	1 21	24 2	0 31	4 57	1 9	6 37	2 37	4 40	0 41	6 42	1 47	25 4	12 46	12 44	12 26	19 1	13 39	0 39
S 28	16 15	4 12	2 33	12 5	0 38	16 53	1 22	24 1	0 32	5 2	1 9	6 37	2 38	4 40	0 41	6 43	1 47	25 5	12 46	12 44	12 27	19 2	13 39	0 39
S 29	15 57	0s 6	3 32	11 19	0 27	16 30	1 22	24 1	0 33	5 6	1 8	6 37	2 38	4 40	0 41	6 43	1 47	25 6	12 46	12 43	12 28	19 2	13 39	0 40
M30	15 38	4 27	4 20	10 33	0 15	16 7	1 23	24 0	0 33	5 10	1 8	6 36	2 38	4 39	0 41	6 44	1 47	25 6	12 46	12 43	12 29	19 3	13 39	0 40
T 31	15s20	8s40	4n56	9s47	0s 3	15s43	1s24	23s59	0s34	5n14	1s 8	6s36	2n38	4s39	0n41	6n44	1s47	25n 7	12n46	12n43	12n30	19n 3	13s40	0n40

Julian Day Number = 2165567.5, Delta T = 12m47s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'19, Lahiri = 12°56'20 Julian Calendar 1 Jan. 1217 == Greg. Calendar 8 Jan. 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

FEBRUARY 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 12 18	19♒33'15	19♏ 2	6♓27	22♒44	6♉33	16♈ 6	23°R10	13°R18	21♈28	25°R15	26°R34	27♌ 7	27♊23	8♏13	W 1
T 2	9 16 14	20°33'42	3♐ 8	7°53	23°59	7°18	16°16	23♎10	13♎16	21°29	25♌14	26♌34	27° 4	27°29	8°14	T 2
F 3	9 20 11	21°34'08	17°28	9°14	25°14	8° 2	16°27	23° 9	13°15	21°30	25°12	26°33	27° 0	27°36	8°16	F 3
S 4	9 24 7	22°34'32	1♑59	10°29	26°29	8°47	16°39	23° 8	13°14	21°32	25°11	26°33	26°57	27°43	8°16	S 4
S 5	9 28 4	23°34'55	16°38	11°38	27°44	9°31	16°50	23° 6	13°13	21°33	25° 9	26°33	26°54	27°50	8°17	S 5
M 6	9 32 0	24°35'16	1♒19	12°40	28°59	10°16	17° 1	23° 5	13°11	21°34	25° 8	26°32	26°51	27°56	8°18	M 6
T 7	9 35 57	25°35'36	15°55	13°34	0♓14	11° 0	17°12	23° 4	13°10	21°36	25° 6	26°32	26°48	28° 3	8°19	T 7
W 8	9 39 53	26°35'54	0♓19	14°21	1°29	11°45	17°24	23° 2	13° 8	21°37	25° 4	26°32	26°44	28°10	8°19	W 8
T 9	9 43 50	27°36'10	14°27	14°58	2°44	12°29	17°35	23° 1	13° 7	21°39	25° 3	26°32	26°41	28°16	8°20	T 9
F 10	9 47 47	28°36'25	28°13	15°27	3°59	13°14	17°47	22°59	13° 5	21°40	25° 1	26°32	26°38	28°23	8°20	F 10
S 11	9 51 43	29°36'37	11♈37	15°46	5°14	13°59	17°59	22°57	13° 4	21°42	25° 0	26°32	26°35	28°30	8°20	S 11
S 12	9 55 40	0♓36'47	24°38	15°56	6°29	14°44	18°11	22°56	13° 2	21°43	24°58	26°31	26°32	28°37	8°R20	S 12
M13	9 59 36	1°36'55	7♉17	15°R56	7°44	15°28	18°23	22°54	13° 0	21°45	24°57	26°31	26°29	28°43	8°20	M13
T 14	10 3 33	2°37'01	19°38	15°47	8°58	16°13	18°35	22°52	12°59	21°46	24°55	26°30	26°25	28°50	8°20	T 14
W15	10 7 29	3°37'05	1♊45	15°30	10°13	16°58	18°47	22°49	12°57	21°48	24°54	26°D30	26°22	28°57	8°20	W15
T 16	10 11 26	4°37'07	13°41	15° 3	11°28	17°43	18°59	22°47	12°55	21°50	24°52	26°30	26°19	29° 3	8°20	T 16
F 17	10 15 22	5°37'06	25°33	14°29	12°43	18°27	19°11	22°45	12°53	21°51	24°51	26°31	26°16	29°10	8°19	F 17
S 18	10 19 19	6°37'04	7♋24	13°48	13°58	19°12	19°24	22°43	12°51	21°53	24°49	26°32	26°13	29°17	8°18	S 18
S 19	10 23 16	7°36'59	19°20	13° 1	15°12	19°57	19°36	22°40	12°50	21°55	24°48	26°33	26°10	29°23	8°18	S 19
M20	10 27 12	8°36'52	1♌23	12° 9	16°27	20°42	19°48	22°38	12°48	21°56	24°46	26°34	26° 6	29°30	8°17	M20
T 21	10 31 9	9°36'43	13°36	11°14	17°42	21°27	20° 1	22°35	12°46	21°58	24°45	26°35	26° 3	29°37	8°16	T 21
W22	10 35 5	10°36'31	26° 4	10°17	18°57	22°12	20°14	22°32	12°44	22° 0	24°43	26°R35	26° 0	29°44	8°15	W22
T 23	10 39 2	11°36'18	8♍46	9°19	20°11	22°57	20°26	22°29	12°42	22° 2	24°42	26°35	25°57	29°50	8°14	T 23
F 24	10 42 58	12°36'03	21°44	8°21	21°26	23°42	20°39	22°26	12°39	22° 4	24°40	26°34	25°54	29°57	8°13	F 24
S 25	10 46 55	13°35'45	4♎57	7°25	22°41	24°27	20°52	22°23	12°37	22° 5	24°39	26°32	25°50	0♋ 4	8°11	S 25
S 26	10 50 51	14°35'26	18°24	6°32	23°55	25°12	21° 5	22°20	12°35	22° 7	24°37	26°29	25°47	0°10	8°10	S 26
M27	10 54 48	15°35'05	2♏ 4	5°42	25°10	25°57	21°18	22°17	12°33	22° 9	24°36	26°26	25°44	0°17	8° 8	M27
T 28	10 58 45	16♓34'42	15♏55	4♓57	26♓24	26♉42	21♈31	22♎14	12♎31	22♈11	24♌35	26♌24	25♌41	0♋24	8♏ 7	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 1	12s30	5n15	9s 1	0n10	15s19	1s24	23s58	0s35	5n19	1s 8	6s35	2n39	4s38	0n41	6n45	1s47	25n 8	12n46	12n43	12n31	19n 4	13s40	0n41
T 2	14 42	15 43	5 15	8 17	0 24	14 55	1 25	23 56	0 36	5 23	1 8	6 35	2 39	4 38	0 41	6 45	1 47	25 8	12 46	12 43	12 33	19 5	13 40	0 41
F 3	14 22	18 1	4 57	7 33	0 38	14 30	1 25	23 54	0 37	5 28	1 7	6 34	2 39	4 37	0 41	6 46	1 47	25 9	12 46	12 43	12 34	19 5	13 40	0 42
S 4	14 3	19 13	4 19	6 51	0 53	14 5	1 26	23 52	0 37	5 32	1 7	6 33	2 39	4 37	0 41	6 46	1 47	25 10	12 47	12 43	12 35	19 6	13 40	0 42
S 5	13 43	19 7	3 24	6 11	1 7	13 39	1 26	23 50	0 38	5 37	1 7	6 33	2 40	4 36	0 41	6 47	1 47	25 10	12 47	12 43	12 36	19 6	13 40	0 42
M 6	13 23	17 45	2 16	5 34	1 23	13 13	1 26	23 47	0 39	5 41	1 7	6 32	2 40	4 36	0 41	6 47	1 47	25 11	12 47	12 43	12 37	19 7	13 39	0 43
T 7	13 3	15 12	0 59	4 59	1 38	12 47	1 26	23 44	0 40	5 46	1 7	6 31	2 40	4 35	0 41	6 48	1 47	25 11	12 47	12 43	12 38	19 7	13 39	0 43
W 8	12 42	11 44	0s21	4 27	1 53	12 20	1 26	23 41	0 41	5 50	1 6	6 31	2 40	4 35	0 41	6 49	1 47	25 12	12 47	12 43	12 39	19 8	13 39	0 43
T 9	12 21	7 39	1 38	3 59	2 7	11 53	1 26	23 38	0 41	5 55	1 6	6 30	2 41	4 34	0 41	6 49	1 47	25 13	12 47	12 43	12 40	19 8	13 39	0 44
F 10	12 0	3 16	2 47	3 35	2 22	11 26	1 26	23 35	0 42	5 59	1 6	6 29	2 41	4 33	0 41	6 50	1 47	25 13	12 47	12 43	12 41	19 9	13 39	0 44
S 11	11 39	1n10	3 45	3 15	2 36	10 58	1 26	23 31	0 43	6 4	1 6	6 28	2 41	4 33	0 41	6 50	1 47	25 14	12 47	12 43	12 42	19 10	13 38	0 45
S 12	11 18	5 24	4 30	2 59	2 49	10 30	1 26	23 27	0 44	6 9	1 6	6 27	2 41	4 32	0 41	6 51	1 47	25 14	12 47	12 44	12 43	19 10	13 38	0 45
M13	10 57	9 17	5 0	2 47	3 1	10 2	1 26	23 23	0 45	6 13	1 5	6 26	2 42	4 31	0 41	6 52	1 47	25 15	12 47	12 44	12 45	19 11	13 38	0 45
T 14	10 35	12 39	5 15	2 41	3 12	9 34	1 26	23 18	0 45	6 18	1 5	6 25	2 42	4 31	0 41	6 52	1 47	25 16	12 47	12 44	12 46	19 11	13 37	0 46
W15	10 13	15 26	5 16	2 39	3 21	9 5	1 25	23 13	0 46	6 23	1 5	6 24	2 42	4 30	0 41	6 53	1 47	25 16	12 47	12 44	12 47	19 12	13 37	0 46
T 16	9 51	17 31	5 3	2 42	3 29	8 36	1 25	23 8	0 47	6 28	1 5	6 23	2 42	4 29	0 41	6 54	1 46	25 17	12 47	12 44	12 48	19 12	13 36	0 47
F 17	9 29	18 50	4 38	2 49	3 35	8 7	1 25	23 3	0 48	6 33	1 5	6 22	2 43	4 28	0 41	6 54	1 46	25 17	12 47	12 44	12 49	19 13	13 36	0 47
S 18	9 7	19 20	4 0	3 1	3 40	7 38	1 24	22 58	0 49	6 37	1 5	6 21	2 43	4 28	0 41	6 55	1 46	25 18	12 47	12 43	12 50	19 13	13 35	0 47
S 19	8 45	18 58	3 12	3 17	3 42	7 8	1 24	22 52	0 49	6 42	1 4	6 20	2 43	4 27	0 42	6 56	1 46	25 18	12 47	12 43	12 51	19 14	13 35	0 48
M20	8 22	17 44	2 15	3 36	3 43	6 38	1 23	22 46	0 50	6 47	1 4	6 19	2 43	4 26	0 42	6 56	1 46	25 19	12 47	12 43	12 52	19 14	13 34	0 48
T 21	8 0	15 40	1 11	3 58	3 41	6 8	1 22	22 40	0 51	6 52	1 4	6 18	2 43	4 25	0 42	6 57	1 46	25 19	12 47	12 42	12 53	19 15	13 33	0 49
W22	7 37	12 50	0 3	4 23	3 37	5 38	1 21	22 33	0 52	6 57	1 4	6 16	2 44	4 25	0 42	6 58	1 46	25 20	12 47	12 42	12 54	19 15	13 33	0 49
T 23	7 14	9 21	1n 7	4 51	3 32	5 8	1 21	22 27	0 53	7 2	1 4	6 15	2 44	4 24	0 42	6 58	1 46	25 20	12 47	12 42	12 55	19 16	13 32	0 49
F 24	6 52	5 21	2 15	5 19	3 24	4 38	1 20	22 20	0 53	7 7	1 4	6 14	2 44	4 23	0 42	6 59	1 46	25 21	12 47	12 43	12 56	19 16	13 31	0 50
S 25	6 29	1 2	3 16	5 48	3 15	4 7	1 19	22 13	0 54	7 12	1 3	6 13	2 44	4 22	0 42	7 0	1 46	25 21	12 47	12 43	12 58	19 17	13 30	0 50
S 26	6 5	3s25	4 8	6 18	3 4	3 37	1 18	22 5	0 55	7 17	1 3	6 11	2 44	4 21	0 42	7 1	1 46	25 22	12 47	12 44	12 59	19 17	13 29	0 51
M27	5 42	7 45	4 47	6 47	2 53	3 6	1 17	21 58	0 56	7 22	1 3	6 10	2 45	4 20	0 42	7 1	1 46	25 22	12 47	12 45	13 0	19 18	13 29	0 51
T 28	5s19	11s43	5n10	7s15	2n40	2s35	1s15	21s50	0s57	7n27	1s 3	6s 9	2n45	4s20	0n42	7n 2	1s46	25n22	12n47	12n46	13n 1	19n18	13s28	0n51

Julian Day Number = 2165598.5, Delta T = 12m47s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'23, Lahiri = 12°56'24 Julian Calendar 1 Feb. 1217 == Greg. Calendar 8 Feb. 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

MARCH 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 2 41	17♓34'17	29♏54	4°R17	27♓39	27♑27	21♈44	22°R11	12°R29	22♈13	24°R33	26°R22	25♌38	0♋30	8°R 5	W 1
T 2	11 6 38	18°33'51	14♐ 0	3♓42	28°53	28°12	21°57	22♎ 7	12♎26	22°15	24♌32	26°D21	25°35	0°37	8♏ 3	T 2
F 3	11 10 34	19°33'23	28°11	3°13	0♈ 8	28°57	22°10	22° 4	12°24	22°17	24°30	26♌21	25°31	0°44	8° 1	F 3
S 4	11 14 31	20°32'53	12♑25	2°50	1°22	29°42	22°23	22° 1	12°22	22°19	24°29	26°22	25°28	0°50	7°59	S 4
S 5	11 18 27	21°32'21	26°39	2°33	2°37	0♒27	22°36	21°57	12°19	22°21	24°28	26°24	25°25	0°57	7°57	S 5
M 6	11 22 24	22°31'48	10♒51	2°23	3°51	1°13	22°50	21°53	12°17	22°23	24°26	26°25	25°22	1° 4	7°55	M 6
T 7	11 26 20	23°31'12	24°58	2°D18	5° 6	1°58	23° 3	21°50	12°15	22°25	24°25	26°R26	25°19	1°11	7°52	T 7
W 8	11 30 17	24°30'35	8♓57	2°19	6°20	2°43	23°17	21°46	12°12	22°27	24°24	26°25	25°15	1°17	7°50	W 8
T 9	11 34 13	25°29'56	22°44	2°25	7°34	3°28	23°30	21°42	12°10	22°29	24°23	26°23	25°12	1°24	7°47	T 9
F 10	11 38 10	26°29'14	6♈16	2°38	8°49	4°13	23°44	21°38	12° 7	22°31	24°21	26°20	25° 9	1°31	7°45	F 10
S 11	11 42 7	27°28'30	19°31	2°55	10° 3	4°59	23°57	21°34	12° 5	22°33	24°20	26°15	25° 6	1°37	7°42	S 11
S 12	11 46 3	28°27'45	2♉27	3°17	11°17	5°44	24°11	21°30	12° 3	22°35	24°19	26°10	25° 3	1°44	7°39	S 12
M13	11 50 0	29°26'57	15° 6	3°44	12°31	6°29	24°24	21°26	12° 0	22°37	24°18	26° 4	25° 0	1°51	7°36	M13
T 14	11 53 56	0♈26'07	27°28	4°15	13°46	7°14	24°38	21°22	11°58	22°39	24°16	25°59	24°56	1°57	7°34	T 14
W15	11 57 53	1°25'14	9♊35	4°50	15° 0	7°59	24°52	21°18	11°55	22°42	24°15	25°56	24°53	2° 4	7°30	W15
T 16	12 1 49	2°24'19	21°33	5°30	16°14	8°45	25° 6	21°14	11°53	22°44	24°14	25°53	24°50	2°11	7°27	T 16
F 17	12 5 46	3°23'22	3♋25	6°13	17°28	9°30	25°19	21°10	11°50	22°46	24°13	25°D53	24°47	2°18	7°24	F 17
S 18	12 9 42	4°22'23	15°16	7° 0	18°42	10°15	25°33	21° 5	11°47	22°48	24°12	25°53	24°44	2°24	7°21	S 18
S 19	12 13 39	5°21'21	27°12	7°50	19°56	11° 0	25°47	21° 1	11°45	22°50	24°11	25°55	24°41	2°31	7°18	S 19
M20	12 17 36	6°20'17	9♌16	8°43	21°10	11°46	26° 1	20°57	11°42	22°52	24°10	25°56	24°37	2°38	7°14	M20
T 21	12 21 32	7°19'11	21°35	9°39	22°24	12°31	26°15	20°53	11°40	22°55	24° 9	25°R57	24°34	2°44	7°11	T 21
W22	12 25 29	8°18'02	4♍10	10°38	23°38	13°16	26°29	20°48	11°37	22°57	24° 8	25°57	24°31	2°51	7° 7	W22
T 23	12 29 25	9°16'51	17° 6	11°40	24°52	14° 2	26°43	20°44	11°35	22°59	24° 7	25°55	24°28	2°58	7° 3	T 23
F 24	12 33 22	10°15'38	0♎22	12°45	26° 6	14°47	26°57	20°39	11°32	23° 1	24° 6	25°51	24°25	3° 4	7° 0	F 24
S 25	12 37 18	11°14'23	13°59	13°52	27°20	15°32	27°11	20°35	11°29	23° 3	24° 5	25°45	24°21	3°11	6°56	S 25
S 26	12 41 15	12°13'06	27°54	15° 2	28°34	16°17	27°25	20°30	11°27	23° 6	24° 4	25°38	24°18	3°18	6°52	S 26
M27	12 45 11	13°11'47	12♏ 2	16°14	29°48	17° 3	27°39	20°26	11°24	23° 8	24° 3	25°30	24°15	3°24	6°48	M27
T 28	12 49 8	14°10'26	26°19	17°28	1♉ 2	17°48	27°53	20°21	11°22	23°10	24° 2	25°23	24°12	3°31	6°44	T 28
W29	12 53 5	15° 9'04	10♐39	18°44	2°16	18°33	28° 7	20°17	11°19	23°12	24° 1	25°17	24° 9	3°38	6°40	W29
T 30	12 57 1	16° 7'40	24°59	20° 3	3°29	19°19	28°21	20°12	11°17	23°15	24° 0	25°13	24° 6	3°45	6°36	T 30
F 31	13 0 58	17♈ 6'14	9♑14	21♓23	4♉43	20♒ 4	28♈36	20♎ 8	11♎14	23♈17	23♌59	25♌11	24♌ 2	3♋51	6♏32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s56	15s 5	5n14	7s43	2n26	2s 4	1s14	21s42	0s57	7n32	1s 3	6s 7	2n45	4s19	0n42	7n 3	1s46	25n23	12n47	12n47	13n 2	19n19	13s27	0n52
T 2	4 32	17 36	5 0	8 9	2 12	1 34	1 13	21 34	0 58	7 37	1 3	6 6	2 45	4 18	0 42	7 4	1 46	25 23	12 47	12 47	13 3	19 19	13 26	0 52
F 3	4 9	19 4	4 28	8 33	1 57	1 3	1 12	21 25	0 59	7 42	1 3	6 4	2 45	4 17	0 42	7 4	1 46	25 24	12 47	12 47	13 4	19 20	13 25	0 53
S 4	3 46	19 19	3 39	8 55	1 42	0 32	1 10	21 16	1 0	7 47	1 2	6 3	2 45	4 16	0 42	7 5	1 46	25 24	12 46	12 47	13 5	19 20	13 24	0 53
S 5	3 22	18 21	2 37	9 15	1 27	0 1	1 9	21 7	1 1	7 52	1 2	6 2	2 46	4 15	0 42	7 6	1 46	25 24	12 46	12 46	13 6	19 21	13 23	0 53
M 6	2 59	16 14	1 25	9 33	1 12	0n30	1 7	20 58	1 1	7 57	1 2	6 0	2 46	4 14	0 42	7 7	1 46	25 25	12 46	12 46	13 7	19 21	13 22	0 54
T 7	2 35	13 8	0 8	9 49	0 57	1 1	1 6	20 49	1 2	8 2	1 2	5 59	2 46	4 13	0 42	7 7	1 46	25 25	12 46	12 45	13 8	19 22	13 20	0 54
W 8	2 11	9 18	1s 8	10 2	0 42	1 32	1 4	20 39	1 3	8 7	1 2	5 57	2 46	4 12	0 42	7 8	1 46	25 26	12 46	12 46	13 9	19 22	13 19	0 54
T 9	1 48	5 2	2 19	10 13	0 28	2 3	1 3	20 30	1 4	8 12	1 2	5 55	2 46	4 11	0 42	7 9	1 46	25 26	12 46	12 46	13 10	19 23	13 18	0 55
F 10	1 24	0 35	3 21	10 22	0 14	2 34	1 1	20 20	1 5	8 18	1 2	5 54	2 46	4 10	0 42	7 10	1 46	25 26	12 46	12 47	13 11	19 23	13 17	0 55
S 11	1 0	3n48	4 10	10 28	0 0	3 5	0 59	20 10	1 5	8 23	1 2	5 52	2 46	4 9	0 42	7 11	1 46	25 26	12 46	12 49	13 13	19 23	13 16	0 56
S 12	0 37	7 54	4 46	10 33	0s13	3 36	0 57	19 59	1 6	8 28	1 1	5 51	2 47	4 8	0 42	7 11	1 46	25 27	12 45	12 51	13 14	19 24	13 14	0 56
M13	0 13	11 33	5 6	10 34	0 25	4 7	0 56	19 49	1 7	8 33	1 1	5 49	2 47	4 7	0 42	7 12	1 46	25 27	12 45	12 53	13 15	19 24	13 13	0 56
T 14	0n10	14 37	5 12	10 34	0 37	4 38	0 54	19 38	1 8	8 38	1 1	5 47	2 47	4 6	0 42	7 13	1 46	25 27	12 45	12 54	13 16	19 25	13 12	0 57
W15	0 34	16 59	5 3	10 32	0 49	5 8	0 52	19 27	1 9	8 43	1 1	5 46	2 47	4 5	0 42	7 14	1 46	25 28	12 45	12 56	13 17	19 25	13 10	0 57
T 16	0 58	18 35	4 41	10 28	1 0	5 39	0 50	19 16	1 9	8 48	1 1	5 44	2 47	4 4	0 42	7 15	1 46	25 28	12 45	12 57	13 18	19 26	13 9	0 58
F 17	1 21	19 22	4 8	10 21	1 10	6 9	0 48	19 5	1 10	8 54	1 1	5 42	2 47	4 3	0 42	7 15	1 46	25 28	12 45	12 57	13 19	19 26	13 8	0 58
S 18	1 45	19 18	3 23	10 13	1 20	6 39	0 46	18 53	1 11	8 59	1 1	5 41	2 47	4 2	0 42	7 16	1 46	25 28	12 44	12 57	13 20	19 26	13 6	0 58
S 19	2 8	18 21	2 30	10 3	1 29	7 9	0 44	18 41	1 12	9 4	1 1	5 39	2 47	4 1	0 42	7 17	1 46	25 29	12 44	12 56	13 21	19 27	13 5	0 59
M20	2 32	16 34	1 29	9 51	1 38	7 39	0 41	18 30	1 13	9 9	1 0	5 37	2 47	4 0	0 42	7 18	1 46	25 29	12 44	12 56	13 22	19 27	13 3	0 59
T 21	2 55	14 0	0 24	9 37	1 46	8 9	0 39	18 17	1 13	9 14	1 0	5 36	2 47	3 59	0 42	7 19	1 46	25 29	12 44	12 55	13 23	19 28	13 2	1 0
W22	3 18	10 43	0n44	9 21	1 53	8 38	0 37	18 5	1 14	9 19	1 0	5 34	2 48	3 58	0 42	7 20	1 45	25 29	12 44	12 55	13 24	19 28	13 0	1 0
T 23	3 42	6 50	1 52	9 4	2 0	9 8	0 35	17 53	1 15	9 24	1 0	5 32	2 48	3 57	0 42	7 20	1 45	25 29	12 43	12 56	13 25	19 29	12 59	1 0
F 24	4 5	2 32	2 55	8 45	2 6	9 37	0 33	17 40	1 16	9 30	1 0	5 31	2 48	3 56	0 42	7 21	1 45	25 29	12 43	12 57	13 26	19 29	12 57	1 1
S 25	4 28	2s 0	3 50	8 24	2 12	10 6	0 30	17 28	1 16	9 35	1 0	5 29	2 48	3 55	0 42	7 22	1 45	25 30	12 43	12 59	13 27	19 29	12 55	1 1
S 26	4 51	6 32	4 32	8 2	2 17	10 35	0 28	17 15	1 17	9 40	1 0	5 27	2 48	3 54	0 42	7 23	1 45	25 30	12 43	13 2	13 29	19 30	12 54	1 1
M27	5 14	10 46	4 59	7 38	2 22	11 3	0 26	17 2	1 18	9 45	1 0	5 25	2 48	3 53	0 42	7 24	1 45	25 30	12 43	13 4	13 30	19 30	12 52	1 2
T 28	5 37	14 26	5 7	7 13	2 26	11 31	0 23	16 48	1 19	9 50	1 0	5 24	2 48	3 52	0 42	7 25	1 45	25 30	12 42	13 7	13 31	19 31	12 51	1 2
W29	5 59	17 15	4 56	6 46	2 30	11 59	0 21	16 35	1 19	9 55	1 0	5 22	2 48	3 51	0 42	7 25	1 45	25 30	12 42	13 9	13 32	19 31	12 49	1 3
T 30	6 22	19 0	4 27	6 18	2 33	12 27	0 18	16 22	1 20	10 0	1 0	5 20	2 48	3 50	0 42	7 26	1 45	25 30	12 42	13 10	13 33	19 31	12 47	1 3
F 31	6n45	19s32	3n41	5s48	2s35	12n54	0s16	16s 8	1s21	10n 6	0s59	5s18	2n48	3s49	0n42	7n27	1s45	25n30	12n42	13n11	13n34	19n32	12s46	1n 3

Julian Day Number = 2165626.5, Delta T = 12m47s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'27, Lahiri = 12°56'28 Julian Calendar 1 March 1217 == Greg. Calendar 8 March 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

APRIL 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 54	18♈ 4'47	23♉22	22♓45	5♉57	20♒49	28♈50	20°R 3	11°R12	23♈19	23°R59	25°D11	23♌59	3♋58	6°R28	S 1
S 2	13 8 51	19° 3'17	7♒22	24°10	7°10	21°34	29° 4	19♎59	11♎ 9	23°21	23♌58	25♌12	23°56	4° 5	6♏24	S 2
M 3	13 12 47	20° 1'47	21°13	25°36	8°24	22°20	29°18	19°54	11° 6	23°24	23°57	25°R13	23°53	4°11	6°20	M 3
T 4	13 16 44	21° 0'14	4♓55	27° 4	9°38	23° 5	29°32	19°49	11° 4	23°26	23°56	25°12	23°50	4°18	6°15	T 4
W 5	13 20 40	21°58'40	18°28	28°34	10°51	23°50	29°47	19°45	11° 1	23°28	23°56	25°10	23°47	4°25	6°11	W 5
T 6	13 24 37	22°57'04	1♈49	0♈ 6	12° 5	24°36	0♉ 1	19°40	10°59	23°30	23°55	25° 5	23°43	4°31	6° 7	T 6
F 7	13 28 33	23°55'27	15° 0	1°40	13°18	25°21	0°15	19°36	10°56	23°33	23°54	24°58	23°40	4°38	6° 3	F 7
S 8	13 32 30	24°53'47	27°57	3°16	14°32	26° 6	0°29	19°31	10°54	23°35	23°54	24°48	23°37	4°45	5°58	S 8
S 9	13 36 27	25°52'06	10♉41	4°53	15°45	26°51	0°44	19°27	10°51	23°37	23°53	24°37	23°34	4°51	5°54	S 9
M10	13 40 23	26°50'23	23°11	6°32	16°59	27°36	0°58	19°22	10°49	23°39	23°53	24°26	23°31	4°58	5°49	M10
T 11	13 44 20	27°48'38	5♊28	8°13	18°12	28°22	1°12	19°18	10°47	23°42	23°52	24°16	23°27	5° 5	5°45	T 11
W12	13 48 16	28°46'51	17°33	9°56	19°26	29° 7	1°26	19°13	10°44	23°44	23°52	24° 7	23°24	5°11	5°40	W12
T 13	13 52 13	29°45'02	29°29	11°40	20°39	29°52	1°41	19° 9	10°42	23°46	23°51	24° 0	23°21	5°18	5°36	T 13
F 14	13 56 9	0♉43'11	11♋20	13°27	21°52	0♓37	1°55	19° 4	10°39	23°48	23°51	23°56	23°18	5°25	5°31	F 14
S 15	14 0 6	1°41'18	23°10	15°15	23° 6	1°22	2° 9	19° 0	10°37	23°51	23°50	23°54	23°15	5°32	5°27	S 15
S 16	14 4 2	2°39'23	5♌ 4	17° 5	24°19	2° 7	2°24	18°56	10°35	23°53	23°50	23°D54	23°12	5°38	5°22	S 16
M17	14 7 59	3°37'26	17° 8	18°57	25°32	2°53	2°38	18°51	10°32	23°55	23°50	23°54	23° 8	5°45	5°18	M17
T 18	14 11 56	4°35'28	29°26	20°50	26°45	3°38	2°52	18°47	10°30	23°57	23°49	23°R54	23° 5	5°52	5°13	T 18
W19	14 15 52	5°33'27	12♍ 4	22°46	27°58	4°23	3° 6	18°43	10°28	24° 0	23°49	23°53	23° 2	5°58	5° 9	W19
T 20	14 19 49	6°31'24	25° 6	24°43	29°11	5° 8	3°21	18°38	10°26	24° 2	23°49	23°49	22°59	6° 5	5° 4	T 20
F 21	14 23 45	7°29'20	8♎33	26°42	0♊25	5°53	3°35	18°34	10°23	24° 4	23°49	23°43	22°56	6°12	5° 0	F 21
S 22	14 27 42	8°27'14	22°26	28°43	1°38	6°38	3°49	18°30	10°21	24° 6	23°48	23°35	22°52	6°18	4°55	S 22
S 23	14 31 38	9°25'06	6♏42	0♉45	2°51	7°23	4° 3	18°26	10°19	24° 9	23°48	23°25	22°49	6°25	4°51	S 23
M24	14 35 35	10°22'57	21°16	2°49	4° 4	8° 8	4°18	18°22	10°17	24°11	23°48	23°14	22°46	6°32	4°46	M24
T 25	14 39 31	11°20'46	5♐59	4°54	5°16	8°52	4°32	18°18	10°15	24°13	23°48	23° 3	22°43	6°38	4°42	T 25
W26	14 43 28	12°18'34	20°45	7° 1	6°29	9°37	4°46	18°14	10°13	24°15	23°48	22°54	22°40	6°45	4°37	W26
T 27	14 47 25	13°16'21	5♑26	9° 9	7°42	10°22	5° 0	18°10	10°11	24°17	23°48	22°48	22°37	6°52	4°33	T 27
F 28	14 51 21	14°14'06	19°55	11°19	8°55	11° 7	5°15	18° 6	10° 9	24°19	23°D48	22°44	22°33	6°58	4°28	F 28
S 29	14 55 18	15°11'51	4♒10	13°29	10° 8	11°52	5°29	18° 2	10° 7	24°22	23°48	22°42	22°30	7° 5	4°24	S 29
S 30	14 59 14	16♉ 9'34	18♒ 8	15♉40	11♊21	12♓37	5♉43	17♎58	10♎ 5	24♈24	23♌48	22♌42	22♌27	7♋12	4♏19	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 7	18s50	2n43	5s17	2s37	13n21	0s13	15s54	1s22	10n11	0s59	5s17	2n48	3s48	0n42	7n28	1s45	25n30	12n41	13n11	13n35	19n32	12s44	1n 4
S 2	7 30	16 59	1 34	4 45	2 38	13 48	0 11	15 40	1 22	10 16	0 59	5 15	2 48	3 47	0 42	7 29	1 45	25 30	12 41	13 11	13 36	19 32	12 42	1 4
M 3	7 52	14 9	0 21	4 11	2 39	14 14	0 8	15 26	1 23	10 21	0 59	5 13	2 48	3 46	0 42	7 30	1 45	25 30	12 41	13 10	13 37	19 33	12 40	1 4
T 4	8 14	10 33	0s52	3 36	2 39	14 40	0 6	15 12	1 24	10 26	0 59	5 12	2 48	3 45	0 42	7 30	1 45	25 30	12 41	13 10	13 38	19 33	12 39	1 5
W 5	8 36	6 26	2 1	3 0	2 39	15 6	0 3	14 58	1 25	10 31	0 59	5 10	2 48	3 44	0 42	7 31	1 45	25 30	12 40	13 11	13 39	19 33	12 37	1 5
T 6	8 58	2 4	3 3	2 22	2 38	15 31	0 0	14 43	1 25	10 36	0 59	5 8	2 48	3 44	0 42	7 32	1 45	25 30	12 40	13 13	13 40	19 34	12 35	1 5
F 7	9 19	2n20	3 54	1 43	2 36	15 56	0n 2	14 28	1 26	10 41	0 59	5 6	2 48	3 43	0 42	7 33	1 45	25 30	12 40	13 15	13 41	19 34	12 33	1 6
S 8	9 41	6 34	4 31	1 3	2 34	16 20	0 5	14 14	1 27	10 46	0 59	5 5	2 48	3 42	0 42	7 34	1 45	25 30	12 40	13 18	13 42	19 35	12 32	1 6
S 9	10 2	10 25	4 55	0 22	2 32	16 45	0 7	13 59	1 27	10 51	0 59	5 3	2 48	3 41	0 42	7 35	1 45	25 30	12 39	13 22	13 43	19 35	12 30	1 6
M10	10 23	13 45	5 3	0n20	2 29	17 8	0 10	13 44	1 28	10 56	0 59	5 1	2 48	3 40	0 42	7 35	1 45	25 30	12 39	13 26	13 44	19 35	12 28	1 7
T 11	10 44	16 25	4 58	1 3	2 25	17 31	0 13	13 29	1 29	11 2	0 59	5 0	2 48	3 39	0 42	7 36	1 45	25 30	12 39	13 29	13 45	19 36	12 26	1 7
W12	11 5	18 20	4 39	1 47	2 21	17 54	0 15	13 14	1 29	11 7	0 59	4 58	2 48	3 38	0 42	7 37	1 45	25 30	12 39	13 32	13 46	19 36	12 24	1 8
T 13	11 26	19 24	4 8	2 33	2 16	18 17	0 18	12 58	1 30	11 12	0 59	4 57	2 48	3 37	0 42	7 38	1 45	25 30	12 38	13 35	13 47	19 36	12 23	1 8
F 14	11 46	19 38	3 26	3 19	2 11	18 38	0 20	12 43	1 31	11 17	0 58	4 55	2 48	3 36	0 42	7 39	1 45	25 30	12 38	13 36	13 49	19 37	12 21	1 8
S 15	12 7	18 59	2 36	4 6	2 5	19 0	0 23	12 27	1 31	11 22	0 58	4 53	2 47	3 35	0 41	7 39	1 45	25 30	12 38	13 37	13 50	19 37	12 19	1 9
S 16	12 27	17 29	1 39	4 54	1 59	19 21	0 26	12 12	1 32	11 27	0 58	4 52	2 47	3 34	0 41	7 40	1 45	25 29	12 37	13 37	13 51	19 37	12 17	1 9
M17	12 47	15 12	0 36	5 43	1 52	19 41	0 28	11 56	1 33	11 31	0 58	4 50	2 47	3 33	0 41	7 41	1 45	25 29	12 37	13 37	13 52	19 38	12 15	1 9
T 18	13 6	12 11	0n29	6 32	1 45	20 1	0 31	11 40	1 33	11 36	0 58	4 49	2 47	3 32	0 41	7 42	1 45	25 29	12 37	13 37	13 53	19 38	12 13	1 10
W19	13 26	8 31	1 35	7 23	1 38	20 20	0 34	11 24	1 34	11 41	0 58	4 47	2 47	3 32	0 41	7 43	1 45	25 29	12 37	13 37	13 54	19 38	12 12	1 10
T 20	13 45	4 22	2 38	8 13	1 30	20 39	0 36	11 8	1 35	11 46	0 58	4 45	2 47	3 31	0 41	7 44	1 45	25 29	12 36	13 38	13 55	19 38	12 10	1 10
F 21	14 4	0s 8	3 33	9 5	1 21	20 57	0 39	10 52	1 35	11 51	0 58	4 44	2 47	3 30	0 41	7 44	1 46	25 29	12 36	13 40	13 56	19 39	12 8	1 10
S 22	14 23	4 46	4 18	9 56	1 12	21 15	0 41	10 36	1 36	11 56	0 58	4 43	2 47	3 29	0 41	7 45	1 46	25 28	12 36	13 43	13 57	19 39	12 6	1 11
S 23	14 41	9 16	4 49	10 48	1 3	21 32	0 44	10 20	1 37	12 1	0 58	4 41	2 47	3 28	0 41	7 46	1 46	25 28	12 35	13 46	13 58	19 39	12 4	1 11
M24	15 0	13 18	5 1	11 40	0 53	21 48	0 46	10 4	1 37	12 6	0 58	4 40	2 47	3 27	0 41	7 47	1 46	25 28	12 35	13 50	13 59	19 40	12 3	1 11
T 25	15 18	16 35	4 54	12 32	0 43	22 4	0 49	9 47	1 38	12 11	0 58	4 38	2 47	3 27	0 41	7 48	1 46	25 28	12 35	13 53	14 0	19 40	12 1	1 12
W26	15 36	18 47	4 27	13 23	0 33	22 20	0 51	9 31	1 38	12 15	0 58	4 37	2 46	3 26	0 41	7 48	1 46	25 27	12 34	13 56	14 1	19 40	11 59	1 12
T 27	15 53	19 43	3 42	14 15	0 23	22 34	0 54	9 14	1 39	12 20	0 58	4 35	2 46	3 25	0 41	7 49	1 46	25 27	12 34	13 58	14 2	19 40	11 57	1 12
F 28	16 11	19 21	2 44	15 5	0 12	22 48	0 56	8 58	1 40	12 25	0 58	4 34	2 46	3 24	0 41	7 50	1 46	25 27	12 34	14 0	14 3	19 41	11 55	1 13
S 29	16 28	17 44	1 36	15 55	0 2	23 2	0 59	8 41	1 40	12 30	0 58	4 33	2 46	3 23	0 41	7 51	1 46	25 27	12 34	14 0	14 4	19 41	11 54	1 13
S 30	16n44	15s 4	0n24	16n44	0n 9	23n15	1n 1	8s24	1s41	12n34	0s58	4s31	2n46	3s23	0n41	7n51	1s46	25n26	12n33	14n 0	14n 5	19n41	11s52	1n13

Julian Day Number = 2165657.5, Delta T = 12m47s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'31, Lahiri = 12°56'32 Julian Calendar 1 Apr. 1217 == Greg. Calendar 8 Apr. 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

MAY 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 3 11	17♉ 7'16	1♓51	17♉51	12♊33	13♓21	5♉57	17°R55	10°R 3	24♈26	23♌48	22°R42	22♌24	7♋19	4°R15	M 1
T 2	15 7 7	18° 4'57	15°18	20° 2	13°46	14° 6	6°11	17♎51	10♎ 1	24°28	23°48	22♌41	22°21	7°25	4♏11	T 2
W 3	15 11 4	19° 2'37	28°31	22°14	14°59	14°51	6°25	17°47	9°59	24°30	23°48	22°37	22°18	7°32	4° 7	W 3
T 4	15 15 0	20° 0'16	11♈32	24°25	16°11	15°35	6°39	17°44	9°58	24°32	23°48	22°31	22°14	7°39	4° 2	T 4
F 5	15 18 57	20°57'54	24°22	26°35	17°24	16°20	6°53	17°41	9°56	24°34	23°48	22°22	22°11	7°45	3°58	F 5
S 6	15 22 54	21°55'31	7♉ 0	28°45	18°36	17° 5	7° 7	17°37	9°54	24°36	23°49	22°10	22° 8	7°52	3°54	S 6
S 7	15 26 50	22°53'06	19°28	0♊53	19°49	17°49	7°21	17°34	9°52	24°38	23°49	21°57	22° 5	7°59	3°50	S 7
M 8	15 30 47	23°50'41	1♊46	3° 0	21° 1	18°33	7°35	17°31	9°51	24°40	23°49	21°43	22° 2	8° 5	3°46	M 8
T 9	15 34 43	24°48'14	13°54	5° 5	22°14	19°18	7°49	17°27	9°49	24°42	23°50	21°31	21°58	8°12	3°42	T 9
W10	15 38 40	25°45'46	25°53	7° 9	23°26	20° 2	8° 3	17°24	9°48	24°44	23°50	21°19	21°55	8°19	3°38	W10
T 11	15 42 36	26°43'17	7♋45	9°10	24°38	20°47	8°17	17°21	9°46	24°46	23°50	21°11	21°52	8°25	3°34	T 11
F 12	15 46 33	27°40'47	19°34	11° 9	25°51	21°31	8°31	17°18	9°45	24°48	23°51	21° 5	21°49	8°32	3°30	F 12
S 13	15 50 29	28°38'15	1♌22	13° 6	27° 3	22°15	8°45	17°16	9°43	24°50	23°51	21° 1	21°46	8°39	3°26	S 13
S 14	15 54 26	29°35'42	13°15	15° 1	28°15	22°59	8°58	17°13	9°42	24°52	23°52	21° 0	21°43	8°45	3°22	S 14
M15	15 58 23	0♊33'08	25°17	16°53	29°27	23°43	9°12	17°10	9°41	24°54	23°52	21° 0	21°39	8°52	3°19	M15
T 16	16 2 19	1°30'32	7♍33	18°42	0♋40	24°27	9°26	17° 7	9°39	24°56	23°53	21° 0	21°36	8°59	3°15	T 16
W17	16 6 16	2°27'56	20°10	20°29	1°52	25°11	9°40	17° 5	9°38	24°58	23°53	20°59	21°33	9° 5	3°12	W17
T 18	16 10 12	3°25'18	3♎11	22°14	3° 4	25°55	9°53	17° 2	9°37	25° 0	23°54	20°56	21°30	9°12	3° 8	T 18
F 19	16 14 9	4°22'39	16°40	23°56	4°16	26°39	10° 7	17° 0	9°36	25° 2	23°54	20°51	21°27	9°19	3° 5	F 19
S 20	16 18 5	5°19'59	0♏38	25°35	5°28	27°23	10°20	16°58	9°35	25° 4	23°55	20°43	21°24	9°25	3° 1	S 20
S 21	16 22 2	6°17'18	15° 3	27°11	6°40	28° 7	10°34	16°56	9°34	25° 5	23°56	20°33	21°20	9°32	2°58	S 21
M22	16 25 58	7°14'36	29°51	28°44	7°51	28°51	10°47	16°53	9°33	25° 7	23°56	20°23	21°17	9°39	2°55	M22
T 23	16 29 55	8°11'53	14♐53	0♋15	9° 3	29°34	11° 1	16°51	9°32	25° 9	23°57	20°13	21°14	9°46	2°52	T 23
W24	16 33 52	9° 9'10	29°59	1°43	10°15	0♈18	11°14	16°49	9°31	25°11	23°58	20° 4	21°11	9°52	2°49	W24
T 25	16 37 48	10° 6'26	15♑ 1	3° 8	11°27	1° 2	11°28	16°48	9°30	25°12	23°59	19°58	21° 8	9°59	2°46	T 25
F 26	16 41 45	11° 3'42	29°49	4°31	12°38	1°45	11°41	16°46	9°29	25°14	23°59	19°55	21° 4	10° 6	2°43	F 26
S 27	16 45 41	12° 0'57	14♒18	5°50	13°50	2°28	11°54	16°44	9°28	25°16	24° 0	19°D53	21° 1	10°12	2°40	S 27
S 28	16 49 38	12°58'12	28°24	7° 7	15° 1	3°12	12° 7	16°43	9°28	25°17	24° 1	19°53	20°58	10°19	2°37	S 28
M29	16 53 34	13°55'26	12♓ 9	8°21	16°13	3°55	12°20	16°41	9°27	25°19	24° 2	19°R54	20°55	10°26	2°35	M29
T 30	16 57 31	14°52'41	25°32	9°31	17°24	4°38	12°33	16°40	9°26	25°21	24° 3	19°53	20°52	10°32	2°32	T 30
W31	17 1 27	15♊49'55	8♈37	10♋39	18♋36	5♈22	12♉47	16♎39	9♎26	25♈22	24♌ 4	19♌51	20♌49	10♋39	2♏30	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 1	11s37	0s48	17n32	0n19	23n27	1n 3	8s 8	1s41	12n39	0s58	4s30	2n46	3s22	0n41	7n52	1s46	25n26	12n33	14n 0	14n 6	19n42	11s50	1n14
T 2	17 17	7 36	1 56	18 18	0 30	23 38	1 6	7 51	1 42	12 44	0 58	4 29	2 46	3 21	0 41	7 53	1 46	25 26	12 33	14 1	14 7	19 42	11 48	1 14
W 3	17 33	3 18	2 57	19 3	0 40	23 49	1 8	7 34	1 42	12 49	0 58	4 28	2 45	3 21	0 41	7 54	1 46	25 25	12 32	14 2	14 8	19 42	11 47	1 14
T 4	17 49	1n 6	3 48	19 45	0 50	23 59	1 10	7 17	1 43	12 53	0 58	4 27	2 45	3 20	0 41	7 54	1 46	25 25	12 32	14 4	14 9	19 42	11 45	1 14
F 5	18 4	5 22	4 25	20 26	0 59	24 8	1 12	7 0	1 43	12 58	0 58	4 25	2 45	3 19	0 41	7 55	1 46	25 25	12 32	14 7	14 10	19 43	11 43	1 15
S 6	18 19	9 21	4 50	21 4	1 8	24 17	1 15	6 43	1 44	13 2	0 58	4 24	2 45	3 19	0 41	7 56	1 46	25 24	12 31	14 11	14 11	19 43	11 42	1 15
S 7	18 34	12 52	5 0	21 40	1 17	24 25	1 17	6 26	1 45	13 7	0 58	4 23	2 45	3 18	0 41	7 57	1 46	25 24	12 31	14 15	14 12	19 43	11 40	1 15
M 8	18 49	15 47	4 55	22 14	1 25	24 33	1 19	6 9	1 45	13 12	0 58	4 22	2 45	3 17	0 41	7 57	1 46	25 23	12 31	14 19	14 13	19 43	11 38	1 15
T 9	19 3	17 58	4 38	22 45	1 33	24 39	1 21	5 52	1 46	13 16	0 58	4 21	2 44	3 17	0 41	7 58	1 46	25 23	12 30	14 24	14 15	19 44	11 37	1 16
W10	19 17	19 21	4 8	23 14	1 40	24 45	1 23	5 35	1 46	13 21	0 58	4 20	2 44	3 16	0 41	7 59	1 46	25 23	12 30	14 27	14 16	19 44	11 35	1 16
T 11	19 30	19 51	3 28	23 39	1 46	24 51	1 25	5 18	1 46	13 25	0 58	4 19	2 44	3 16	0 41	7 59	1 46	25 22	12 30	14 30	14 17	19 44	11 34	1 16
F 12	19 43	19 30	2 38	24 3	1 51	24 55	1 27	5 1	1 47	13 30	0 58	4 18	2 44	3 15	0 41	8 0	1 46	25 22	12 30	14 32	14 18	19 44	11 32	1 16
S 13	19 56	18 17	1 42	24 23	1 56	24 59	1 29	4 44	1 47	13 34	0 58	4 17	2 44	3 15	0 41	8 1	1 46	25 21	12 29	14 33	14 19	19 44	11 31	1 17
S 14	20 9	16 15	0 41	24 41	2 0	25 2	1 30	4 27	1 48	13 38	0 57	4 16	2 43	3 14	0 41	8 1	1 46	25 21	12 29	14 33	14 20	19 45	11 29	1 17
M15	20 21	13 30	0n23	24 56	2 4	25 4	1 32	4 10	1 48	13 43	0 57	4 15	2 43	3 14	0 41	8 2	1 46	25 20	12 29	14 33	14 21	19 45	11 28	1 17
T 16	20 33	10 7	1 27	25 9	2 6	25 6	1 34	3 52	1 49	13 47	0 57	4 15	2 43	3 13	0 41	8 3	1 46	25 20	12 28	14 33	14 22	19 45	11 26	1 17
W17	20 44	6 11	2 28	25 19	2 8	25 7	1 35	3 35	1 49	13 52	0 57	4 14	2 43	3 13	0 41	8 3	1 46	25 20	12 28	14 34	14 23	19 45	11 25	1 18
T 18	20 56	1 51	3 24	25 27	2 9	25 7	1 37	3 18	1 50	13 56	0 57	4 13	2 43	3 12	0 41	8 4	1 46	25 19	12 28	14 35	14 24	19 46	11 23	1 18
F 19	21 6	2s43	4 10	25 33	2 9	25 7	1 38	3 1	1 50	14 0	0 57	4 12	2 42	3 12	0 41	8 5	1 46	25 19	12 27	14 36	14 25	19 46	11 22	1 18
S 20	21 17	7 18	4 44	25 37	2 9	25 5	1 40	2 44	1 50	14 4	0 57	4 12	2 42	3 11	0 40	8 5	1 46	25 18	12 27	14 39	14 26	19 46	11 21	1 18
S 21	21 27	11 38	5 1	25 38	2 8	25 3	1 41	2 27	1 51	14 9	0 57	4 11	2 42	3 11	0 40	8 6	1 46	25 18	12 27	14 42	14 27	19 46	11 19	1 19
M22	21 37	15 21	4 58	25 38	2 6	25 1	1 42	2 10	1 51	14 13	0 58	4 11	2 42	3 11	0 40	8 7	1 46	25 17	12 27	14 45	14 28	19 46	11 18	1 19
T 23	21 46	18 8	4 35	25 35	2 3	24 57	1 44	1 52	1 52	14 17	0 58	4 10	2 41	3 10	0 40	8 7	1 46	25 16	12 26	14 48	14 29	19 46	11 17	1 19
W24	21 55	19 40	3 52	25 31	1 59	24 53	1 45	1 35	1 52	14 21	0 58	4 9	2 41	3 10	0 40	8 8	1 46	25 16	12 26	14 51	14 30	19 47	11 15	1 19
T 25	22 3	19 48	2 54	25 25	1 55	24 48	1 46	1 18	1 52	14 25	0 58	4 9	2 41	3 10	0 40	8 8	1 46	25 15	12 26	14 53	14 31	19 47	11 14	1 20
F 26	22 12	18 34	1 45	25 18	1 50	24 43	1 47	1 1	1 53	14 29	0 58	4 9	2 41	3 9	0 40	8 9	1 47	25 15	12 25	14 54	14 32	19 47	11 13	1 20
S 27	22 19	16 8	0 30	25 9	1 45	24 36	1 48	0 44	1 53	14 33	0 58	4 8	2 40	3 9	0 40	8 10	1 47	25 14	12 25	14 55	14 33	19 47	11 12	1 20
S 28	22 27	12 47	0s45	24 59	1 38	24 29	1 49	0 27	1 53	14 37	0 58	4 8	2 40	3 9	0 40	8 10	1 47	25 14	12 25	14 55	14 34	19 47	11 11	1 20
M29	22 34	8 49	1 56	24 48	1 31	24 22	1 50	0 10	1 53	14 41	0 58	4 7	2 40	3 9	0 40	8 11	1 47	25 13	12 25	14 54	14 35	19 47	11 10	1 20
T 30	22 41	4 30	2 58	24 35	1 24	24 13	1 50	0n 7	1 54	14 45	0 58	4 7	2 40	3 9	0 40	8 11	1 47	25 13	12 24	14 55	14 36	19 48	11 8	1 21
W31	22n47	0s 5	3s49	24n22	1n15	24n 4	1n51	0n24	1s54	14n49	0s58	4s 7	2n39	3s 8	0n40	8n12	1s47	25n12	12n24	14n55	14n37	19n48	11s 7	1n21

Julian Day Number = 2165687.5, Delta T = 12m47s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'36, Lahiri = 12°56'36 Julian Calendar 1 May 1217 == Greg. Calendar 8 May 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

JUNE 1217 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 24	16♊47'09	21♈25	11♋43	19♋47	6♈ 5	13♉ 0	16°R37	9°R25	25♈24	24♌ 5	19°R46	20♌45	10♋46	2°R27	T 1
F 2	17 9 21	17°44'22	4♉ 0	12°44	20°58	6°48	13°12	16♎36	9♎25	25°25	24° 6	19♌39	20°42	10°52	2♏25	F 2
S 3	17 13 17	18°41'36	16°24	13°42	22°10	7°31	13°25	16°35	9°25	25°27	24° 7	19°30	20°39	10°59	2°23	S 3
S 4	17 17 14	19°38'49	28°37	14°37	23°21	8°13	13°38	16°34	9°24	25°28	24° 8	19°20	20°36	11° 6	2°21	S 4
M 5	17 21 10	20°36'02	10♊43	15°28	24°32	8°56	13°51	16°33	9°24	25°30	24° 9	19° 9	20°33	11°12	2°19	M 5
T 6	17 25 7	21°33'15	22°41	16°15	25°43	9°39	14° 4	16°33	9°24	25°31	24°10	18°58	20°30	11°19	2°17	T 6
W 7	17 29 3	22°30'28	4♋34	16°59	26°54	10°21	14°16	16°32	9°23	25°33	24°11	18°49	20°26	11°26	2°15	W 7
T 8	17 33 0	23°27'40	16°23	17°38	28° 5	11° 4	14°29	16°32	9°23	25°34	24°12	18°42	20°23	11°32	2°13	T 8
F 9	17 36 56	24°24'52	28°11	18°14	29°16	11°46	14°41	16°31	9°23	25°36	24°13	18°38	20°20	11°39	2°11	F 9
S 10	17 40 53	25°22'04	10♌ 0	18°46	0♌27	12°29	14°54	16°31	9°D23	25°37	24°15	18°36	20°17	11°46	2°10	S 10
S 11	17 44 50	26°19'15	21°54	19°14	1°38	13°11	15° 6	16°31	9°23	25°38	24°16	18°D35	20°14	11°52	2° 8	S 11
M12	17 48 46	27°16'26	3♍56	19°37	2°49	13°53	15°18	16°31	9°23	25°40	24°17	18°36	20°10	11°59	2° 7	M12
T 13	17 52 43	28°13'36	16°13	19°56	3°59	14°35	15°30	16°D31	9°23	25°41	24°18	18°37	20° 7	12° 6	2° 6	T 13
W14	17 56 39	29°10'47	28°47	20°10	5°10	15°17	15°43	16°31	9°24	25°42	24°20	18°R38	20° 4	12°12	2° 5	W14
T 15	18 0 36	0♋ 7'57	11♎45	20°20	6°20	15°59	15°55	16°31	9°24	25°43	24°21	18°37	20° 1	12°19	2° 4	T 15
F 16	18 4 32	1° 5'06	25°10	20°25	7°31	16°40	16° 7	16°31	9°24	25°45	24°22	18°35	19°58	12°26	2° 3	F 16
S 17	18 8 29	2° 2'16	9♏ 3	20°R25	8°41	17°22	16°19	16°31	9°24	25°46	24°24	18°30	19°55	12°32	2° 2	S 17
S 18	18 12 25	2°59'25	23°25	20°21	9°51	18° 3	16°30	16°32	9°25	25°47	24°25	18°25	19°51	12°39	2° 1	S 18
M19	18 16 22	3°56'34	8♐12	20°12	11° 2	18°45	16°42	16°32	9°25	25°48	24°26	18°18	19°48	12°46	2° 1	M19
T 20	18 20 19	4°53'44	23°18	19°59	12°12	19°26	16°54	16°33	9°26	25°49	24°28	18°12	19°45	12°52	2° 0	T 20
W21	18 24 15	5°50'53	8♑33	19°41	13°22	20° 7	17° 5	16°34	9°26	25°50	24°29	18° 7	19°42	12°59	2° 0	W21
T 22	18 28 12	6°48'03	23°46	19°19	14°32	20°48	17°17	16°35	9°27	25°51	24°31	18° 3	19°39	13° 6	1°59	T 22
F 23	18 32 8	7°45'13	8♒48	18°53	15°42	21°29	17°28	16°36	9°28	25°52	24°32	18° 1	19°36	13°13	1°59	F 23
S 24	18 36 5	8°42'23	23°31	18°23	16°52	22°10	17°40	16°37	9°28	25°53	24°34	18°D 1	19°32	13°19	1°59	S 24
S 25	18 40 1	9°39'34	7♓50	17°50	18° 1	22°51	17°51	16°38	9°29	25°54	24°35	18° 2	19°29	13°26	1°D59	S 25
M26	18 43 58	10°36'46	21°44	17°14	19°11	23°32	18° 2	16°39	9°30	25°55	24°37	18° 3	19°26	13°33	1°59	M26
T 27	18 47 55	11°33'58	5♈12	16°36	20°21	24°12	18°13	16°41	9°31	25°56	24°38	18° 4	19°23	13°39	1°59	T 27
W28	18 51 51	12°31'11	18°17	15°57	21°30	24°53	18°24	16°42	9°32	25°56	24°40	18°R 4	19°20	13°46	2° 0	W28
T 29	18 55 48	13°28'24	1♉ 1	15°17	22°40	25°33	18°35	16°43	9°32	25°57	24°42	18° 3	19°16	13°53	2° 0	T 29
F 30	18 59 44	14♋25'39	13♉29	14♋36	23♌49	26♈13	18♉46	16♎45	9♎33	25♈58	24♌43	18♌ 0	19♌13	13♋59	2♏ 1	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	4n15	4s28	24n 7	1n 7	23n55	1n51	0n40	1s54	14n53	0s58	4s 7	2n39	3s 8	0n40	8n12	1s47	25n11	12n24	14n57	14n38	19n48	11s 6	1n21
F 2	22 58	8 19	4 53	23 52	0 57	23 44	1 52	0 57	1 55	14 57	0 58	4 6	2 39	3 8	0 40	8 13	1 47	25 11	12 23	14 59	14 39	19 48	11 5	1 21
S 3	23 3	11 58	5 3	23 36	0 47	23 33	1 52	1 14	1 55	15 1	0 58	4 6	2 39	3 8	0 40	8 13	1 47	25 10	12 23	15 2	14 40	19 48	11 5	1 21
S 4	23 8	15 3	5 0	23 20	0 36	23 22	1 53	1 31	1 55	15 5	0 58	4 6	2 38	3 8	0 40	8 14	1 47	25 10	12 23	15 5	14 41	19 48	11 4	1 22
M 5	23 12	17 28	4 43	23 3	0 24	23 9	1 53	1 47	1 55	15 9	0 58	4 6	2 38	3 8	0 40	8 14	1 47	25 9	12 23	15 9	14 42	19 48	11 3	1 22
T 6	23 16	19 7	4 14	22 45	0 12	22 56	1 53	2 4	1 56	15 12	0 58	4 6	2 38	3 8	0 40	8 15	1 47	25 8	12 22	15 12	14 43	19 49	11 2	1 22
W 7	23 20	19 54	3 33	22 27	0s 0	22 43	1 53	2 21	1 56	15 16	0 58	4 6	2 38	3 8	0 40	8 15	1 47	25 8	12 22	15 15	14 44	19 49	11 1	1 22
T 8	23 23	19 49	2 44	22 9	0 13	22 29	1 53	2 37	1 56	15 20	0 58	4 6	2 37	3 8	0 40	8 16	1 47	25 7	12 22	15 17	14 45	19 49	11 0	1 22
F 9	23 25	18 51	1 47	21 51	0 27	22 14	1 53	2 54	1 56	15 23	0 58	4 6	2 37	3 8	0 40	8 16	1 47	25 6	12 22	15 18	14 46	19 49	11 0	1 22
S 10	23 27	17 4	0 46	21 33	0 41	21 58	1 53	3 10	1 56	15 27	0 58	4 6	2 37	3 8	0 40	8 17	1 47	25 6	12 21	15 19	14 47	19 49	10 59	1 23
S 11	23 29	14 33	0n18	21 15	0 55	21 42	1 53	3 26	1 56	15 31	0 58	4 6	2 37	3 8	0 40	8 17	1 47	25 5	12 21	15 19	14 48	19 49	10 58	1 23
M12	23 31	11 23	1 22	20 57	1 10	21 26	1 52	3 42	1 57	15 34	0 58	4 7	2 36	3 8	0 40	8 18	1 47	25 4	12 21	15 19	14 49	19 49	10 58	1 23
T 13	23 32	7 40	2 23	20 39	1 25	21 9	1 52	3 59	1 57	15 38	0 58	4 7	2 36	3 8	0 40	8 18	1 47	25 4	12 21	15 18	14 50	19 49	10 57	1 23
W14	23 32	3 32	3 20	20 22	1 40	20 51	1 51	4 15	1 57	15 41	0 58	4 7	2 36	3 8	0 39	8 18	1 47	25 3	12 20	15 18	14 51	19 50	10 57	1 23
T 15	23 32	0s52	4 8	20 6	1 55	20 33	1 51	4 31	1 57	15 45	0 58	4 7	2 36	3 8	0 39	8 19	1 48	25 2	12 20	15 19	14 52	19 50	10 56	1 23
F 16	23 32	5 22	4 44	19 50	2 11	20 14	1 50	4 47	1 57	15 48	0 58	4 8	2 35	3 8	0 39	8 19	1 48	25 2	12 20	15 19	14 53	19 50	10 56	1 24
S 17	23 31	9 45	5 5	19 34	2 26	19 55	1 49	5 3	1 57	15 51	0 58	4 8	2 35	3 8	0 39	8 19	1 48	25 1	12 20	15 21	14 54	19 50	10 55	1 24
S 18	23 30	13 44	5 8	19 20	2 41	19 35	1 48	5 18	1 57	15 55	0 58	4 9	2 35	3 9	0 39	8 20	1 48	25 0	12 19	15 22	14 55	19 50	10 55	1 24
M19	23 29	16 59	4 51	19 6	2 57	19 15	1 47	5 34	1 57	15 58	0 58	4 9	2 35	3 9	0 39	8 20	1 48	25 0	12 19	15 24	14 56	19 50	10 54	1 24
T 20	23 27	19 9	4 13	18 53	3 11	18 54	1 46	5 50	1 57	16 1	0 58	4 10	2 34	3 9	0 39	8 21	1 48	24 59	12 19	15 26	14 57	19 50	10 54	1 24
W21	23 25	19 59	3 18	18 42	3 26	18 33	1 45	6 5	1 57	16 4	0 58	4 10	2 34	3 9	0 39	8 21	1 48	24 58	12 19	15 28	14 58	19 50	10 54	1 24
T 22	23 22	19 20	2 8	18 31	3 39	18 11	1 43	6 21	1 57	16 8	0 58	4 11	2 34	3 10	0 39	8 21	1 48	24 58	12 19	15 29	14 59	19 50	10 54	1 25
F 23	23 19	17 20	0 50	18 22	3 52	17 49	1 42	6 36	1 57	16 11	0 59	4 11	2 33	3 10	0 39	8 21	1 48	24 57	12 18	15 30	15 0	19 50	10 53	1 25
S 24	23 15	14 12	0s30	18 14	4 4	17 27	1 40	6 51	1 57	16 14	0 59	4 12	2 33	3 10	0 39	8 22	1 48	24 56	12 18	15 30	15 1	19 50	10 53	1 25
S 25	23 11	10 18	1 46	18 8	4 15	17 4	1 39	7 6	1 57	16 17	0 59	4 13	2 33	3 10	0 39	8 22	1 48	24 55	12 18	15 29	15 2	19 50	10 53	1 25
M26	23 7	5 57	2 53	18 3	4 25	16 40	1 37	7 21	1 57	16 20	0 59	4 13	2 33	3 11	0 39	8 22	1 48	24 55	12 18	15 29	15 3	19 50	10 53	1 25
T 27	23 2	1 26	3 49	17 59	4 33	16 16	1 35	7 36	1 57	16 23	0 59	4 14	2 32	3 11	0 39	8 23	1 48	24 54	12 18	15 29	15 4	19 50	10 53	1 25
W28	22 57	3n 1	4 31	17 57	4 40	15 52	1 34	7 51	1 57	16 26	0 59	4 15	2 32	3 12	0 39	8 23	1 48	24 53	12 17	15 29	15 5	19 51	10 53	1 25
T 29	22 51	7 13	4 58	17 56	4 46	15 28	1 32	8 6	1 57	16 29	0 59	4 16	2 32	3 12	0 39	8 23	1 48	24 53	12 17	15 29	15 6	19 51	10 53	1 26
F 30	22n45	11n 0	5s11	17n56	4s49	15n 3	1n30	8n21	1s57	16n32	0s59	4s17	2n32	3s12	0n39	8n23	1s48	24n52	12n17	15n30	15n 7	19n51	10s53	1n26

Julian Day Number = 2165718.5, Delta T = 12m46s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'40, Lahiri = 12°56'40 Julian Calendar 1 June 1217 == Greg. Calendar 8 June 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

JULY 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 41	15♋22'54	25♉44	13°R56	24♌58	26♈53	18♉56	16♎47	9♎35	25♈59	24♌45	17°R56	19♌10	14♋ 6	2♏ 1	S 1
S 2	19 7 37	16°20'10	7♊48	13♋17	26° 7	27°33	19° 7	16°49	9°36	25°59	24°47	17♌51	19° 7	14°13	2° 2	S 2
M 3	19 11 34	17°17'26	19°45	12°40	27°16	28°13	19°18	16°51	9°37	26° 0	24°48	17°45	19° 4	14°19	2° 3	M 3
T 4	19 15 30	18°14'44	1♋37	12° 5	28°25	28°52	19°28	16°53	9°38	26° 1	24°50	17°40	19° 1	14°26	2° 4	T 4
W 5	19 19 27	19°12'02	13°27	11°34	29°34	29°32	19°38	16°55	9°39	26° 1	24°52	17°36	18°57	14°33	2° 5	W 5
T 6	19 23 24	20° 9'21	25°15	11° 6	0♍43	0♉11	19°48	16°57	9°41	26° 2	24°53	17°33	18°54	14°39	2° 6	T 6
F 7	19 27 20	21° 6'40	7♌ 5	10°43	1°52	0°50	19°58	16°59	9°42	26° 2	24°55	17°31	18°51	14°46	2° 7	F 7
S 8	19 31 17	22° 4'00	18°58	10°24	3° 0	1°29	20° 8	17° 2	9°43	26° 3	24°57	17°D30	18°48	14°53	2° 9	S 8
S 9	19 35 13	23° 1'21	0♍57	10°11	4° 9	2° 8	20°18	17° 4	9°45	26° 3	24°59	17°31	18°45	14°59	2°10	S 9
M10	19 39 10	23°58'42	13° 6	10° 4	5°17	2°47	20°28	17° 7	9°46	26° 4	25° 0	17°32	18°41	15° 6	2°12	M10
T 11	19 43 6	24°56'04	25°27	10°D 2	6°25	3°25	20°38	17° 9	9°48	26° 4	25° 2	17°34	18°38	15°13	2°13	T 11
W12	19 47 3	25°53'26	8♎ 5	10° 6	7°33	4° 3	20°47	17°12	9°50	26° 5	25° 4	17°35	18°35	15°19	2°15	W12
T 13	19 50 59	26°50'49	21° 2	10°17	8°42	4°42	20°56	17°15	9°51	26° 5	25° 6	17°R36	18°32	15°26	2°17	T 13
F 14	19 54 56	27°48'13	4♏22	10°34	9°49	5°20	21° 6	17°18	9°53	26° 5	25° 8	17°36	18°29	15°33	2°19	F 14
S 15	19 58 53	28°45'37	18° 7	10°57	10°57	5°57	21°15	17°21	9°55	26° 6	25°10	17°35	18°26	15°39	2°21	S 15
S 16	20 2 49	29°43'03	2♐19	11°27	12° 5	6°35	21°24	17°24	9°56	26° 6	25°11	17°34	18°22	15°46	2°23	S 16
M17	20 6 46	0♌40'28	16°54	12° 3	13°12	7°13	21°33	17°27	9°58	26° 6	25°13	17°32	18°19	15°53	2°26	M17
T 18	20 10 42	1°37'55	1♑48	12°45	14°20	7°50	21°42	17°30	10° 0	26° 6	25°15	17°30	18°16	15°59	2°28	T 18
W19	20 14 39	2°35'23	16°55	13°34	15°27	8°27	21°50	17°34	10° 2	26° 6	25°17	17°28	18°13	16° 6	2°30	W19
T 20	20 18 35	3°32'51	2♒ 5	14°29	16°34	9° 4	21°59	17°37	10° 4	26° 7	25°19	17°27	18°10	16°13	2°33	T 20
F 21	20 22 32	4°30'21	17° 9	15°30	17°41	9°41	22° 7	17°41	10° 6	26° 7	25°21	17°D27	18° 7	16°19	2°36	F 21
S 22	20 26 28	5°27'52	1♓59	16°37	18°48	10°17	22°15	17°44	10° 8	26° 7	25°23	17°27	18° 3	16°26	2°38	S 22
S 23	20 30 25	6°25'24	16°27	17°50	19°54	10°54	22°23	17°48	10°10	26°R 7	25°25	17°28	18° 0	16°33	2°41	S 23
M24	20 34 22	7°22'57	0♈30	19° 8	21° 1	11°30	22°31	17°52	10°12	26° 7	25°27	17°28	17°57	16°39	2°44	M24
T 25	20 38 18	8°20'32	14° 6	20°32	22° 7	12° 6	22°39	17°55	10°15	26° 7	25°29	17°29	17°54	16°46	2°47	T 25
W26	20 42 15	9°18'09	27°16	22° 1	23°13	12°42	22°47	17°59	10°17	26° 7	25°31	17°30	17°51	16°53	2°51	W26
T 27	20 46 11	10°15'47	10♉ 3	23°34	24°19	13°17	22°55	18° 3	10°19	26° 6	25°33	17°R30	17°47	16°59	2°54	T 27
F 28	20 50 8	11°13'26	22°31	25°11	25°25	13°53	23° 2	18° 7	10°21	26° 6	25°35	17°30	17°44	17° 6	2°57	F 28
S 29	20 54 4	12°11'07	4♊42	26°53	26°31	14°28	23° 9	18°12	10°24	26° 6	25°37	17°29	17°41	17°13	3° 1	S 29
S 30	20 58 1	13° 8'50	16°43	28°38	27°36	15° 3	23°16	18°16	10°26	26° 6	25°39	17°29	17°38	17°19	3° 4	S 30
M31	21 1 57	14♌ 6'35	28♊35	0♌27	28♍42	15♉37	23♉23	18♎20	10♎29	26♈ 6	25♌41	17♌28	17♌35	17♋26	3♏ 8	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n39	14n16	5s 9	17n58	4s52	14n37	1n27	8n35	1s57	16n35	0s59	4s18	2n31	3s13	0n39	8n23	1s48	24n51	12n17	15n31	15n 8	19n51	10s53	1n26
S 2	22 32	16 52	4 53	18 2	4 52	14 12	1 25	8 49	1 57	16 38	0 59	4 18	2 31	3 13	0 39	8 24	1 49	24 50	12 17	15 33	15 9	19 51	10 53	1 26
M 3	22 25	18 44	4 25	18 7	4 51	13 46	1 23	9 4	1 57	16 40	0 59	4 19	2 31	3 14	0 39	8 24	1 49	24 50	12 17	15 35	15 10	19 51	10 53	1 26
T 4	22 17	19 46	3 45	18 13	4 48	13 20	1 20	9 18	1 57	16 43	0 59	4 20	2 31	3 14	0 39	8 24	1 49	24 49	12 17	15 36	15 11	19 51	10 53	1 26
W 5	22 9	19 56	2 56	18 20	4 43	12 53	1 18	9 32	1 57	16 46	0 59	4 21	2 30	3 15	0 39	8 24	1 49	24 48	12 16	15 37	15 12	19 51	10 54	1 26
T 6	22 1	19 13	1 59	18 28	4 37	12 26	1 15	9 46	1 56	16 49	0 59	4 23	2 30	3 15	0 39	8 24	1 49	24 47	12 16	15 38	15 13	19 51	10 54	1 27
F 7	21 52	17 40	0 57	18 38	4 29	11 59	1 12	10 0	1 56	16 51	0 59	4 24	2 30	3 16	0 39	8 24	1 49	24 47	12 16	15 39	15 14	19 51	10 54	1 27
S 8	21 43	15 20	0n 8	18 48	4 20	11 31	1 10	10 13	1 56	16 54	1 0	4 25	2 30	3 17	0 39	8 25	1 49	24 46	12 16	15 39	15 15	19 51	10 55	1 27
S 9	21 34	12 19	1 13	19 0	4 10	11 4	1 7	10 27	1 56	16 56	1 0	4 26	2 29	3 17	0 38	8 25	1 49	24 45	12 16	15 39	15 16	19 51	10 55	1 27
M10	21 24	8 46	2 16	19 11	3 59	10 36	1 4	10 40	1 56	16 59	1 0	4 27	2 29	3 18	0 38	8 25	1 49	24 44	12 16	15 38	15 17	19 51	10 55	1 27
T 11	21 14	4 47	3 14	19 24	3 46	10 8	1 1	10 54	1 55	17 1	1 0	4 28	2 29	3 19	0 38	8 25	1 49	24 44	12 16	15 38	15 18	19 51	10 56	1 27
W12	21 3	0 31	4 4	19 37	3 33	9 39	0 57	11 7	1 55	17 4	1 0	4 30	2 29	3 19	0 38	8 25	1 49	24 43	12 15	15 38	15 19	19 51	10 56	1 27
T 13	20 52	3s52	4 43	19 50	3 19	9 11	0 54	11 20	1 55	17 6	1 0	4 31	2 28	3 20	0 38	8 25	1 49	24 42	12 15	15 37	15 20	19 51	10 57	1 27
F 14	20 41	8 12	5 8	20 3	3 4	8 42	0 51	11 33	1 55	17 8	1 0	4 32	2 28	3 21	0 38	8 25	1 49	24 41	12 15	15 37	15 21	19 51	10 57	1 28
S 15	20 30	12 14	5 16	20 16	2 49	8 13	0 47	11 46	1 54	17 11	1 0	4 34	2 28	3 21	0 38	8 25	1 49	24 41	12 15	15 38	15 22	19 51	10 58	1 28
S 16	20 18	15 43	5 6	20 29	2 34	7 44	0 44	11 58	1 54	17 13	1 0	4 35	2 28	3 22	0 38	8 25	1 49	24 40	12 15	15 38	15 23	19 51	10 59	1 28
M17	20 5	18 19	4 36	20 42	2 18	7 14	0 40	12 11	1 54	17 15	1 0	4 37	2 27	3 23	0 38	8 25	1 49	24 39	12 15	15 39	15 24	19 51	10 59	1 28
T 18	19 53	19 45	3 47	20 54	2 2	6 45	0 36	12 23	1 54	17 17	1 0	4 38	2 27	3 24	0 38	8 25	1 50	24 38	12 15	15 39	15 25	19 51	11 0	1 28
W19	19 40	19 48	2 41	21 5	1 47	6 15	0 32	12 36	1 53	17 20	1 1	4 40	2 27	3 24	0 38	8 25	1 50	24 38	12 15	15 40	15 26	19 51	11 1	1 28
T 20	19 26	18 25	1 24	21 15	1 31	5 46	0 28	12 48	1 53	17 22	1 1	4 41	2 27	3 25	0 38	8 25	1 50	24 37	12 15	15 40	15 27	19 50	11 2	1 28
F 21	19 13	15 44	0 2	21 23	1 15	5 16	0 24	13 0	1 52	17 24	1 1	4 43	2 26	3 26	0 38	8 25	1 50	24 36	12 15	15 40	15 28	19 50	11 2	1 28
S 22	18 59	12 3	1s20	21 31	1 0	4 46	0 20	13 12	1 52	17 26	1 1	4 44	2 26	3 27	0 38	8 25	1 50	24 36	12 15	15 40	15 29	19 50	11 3	1 28
S 23	18 45	7 44	2 34	21 37	0 45	4 16	0 16	13 23	1 52	17 28	1 1	4 46	2 26	3 28	0 38	8 25	1 50	24 35	12 15	15 40	15 30	19 50	11 4	1 29
M24	18 30	3 7	3 37	21 40	0 30	3 46	0 12	13 35	1 51	17 30	1 1	4 48	2 26	3 29	0 38	8 25	1 50	24 34	12 15	15 40	15 31	19 50	11 5	1 29
T 25	18 15	1n31	4 25	21 42	0 16	3 15	0 8	13 46	1 51	17 32	1 1	4 49	2 25	3 30	0 38	8 25	1 50	24 33	12 14	15 39	15 32	19 50	11 6	1 29
W26	18 0	5 55	4 58	21 42	0 2	2 45	0 3	13 58	1 50	17 33	1 1	4 51	2 25	3 30	0 38	8 25	1 50	24 33	12 14	15 39	15 33	19 50	11 7	1 29
T 27	17 45	9 55	5 15	21 39	0n11	2 15	0s 1	14 9	1 50	17 35	1 1	4 53	2 25	3 31	0 38	8 25	1 50	24 32	12 14	15 39	15 34	19 50	11 8	1 29
F 28	17 29	13 23	5 16	21 34	0 23	1 44	0 6	14 20	1 49	17 37	1 1	4 54	2 25	3 32	0 38	8 25	1 50	24 31	12 14	15 39	15 35	19 50	11 9	1 29
S 29	17 13	16 12	5 3	21 26	0 35	1 14	0 10	14 31	1 49	17 39	1 2	4 56	2 25	3 33	0 38	8 25	1 50	24 30	12 14	15 39	15 36	19 50	11 10	1 29
S 30	16 56	18 16	4 37	21 16	0 46	0 43	0 15	14 41	1 49	17 40	1 2	4 58	2 24	3 34	0 38	8 24	1 50	24 30	12 14	15 40	15 37	19 50	11 11	1 29
M31	16n40	19n32	4s 0	21n 3	0n55	0n13	0s20	14n52	1s48	17n42	1s 2	5s 0	2n24	3s35	0n38	8n24	1s50	24n29	12n14	15n40	15n38	19n50	11s12	1n30

Julian Day Number = 2165748.5, Delta T = 12m46s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'44, Lahiri = 12°56'44 Julian Calendar 1 July 1217 == Greg. Calendar 8 July 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

AUGUST 1217 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 54	15♌ 4'21	10♋24	2♌18	29♍47	16♉12	23♉30	18♎25	10♎31	26°R 5	25♌43	17°R28	17♌32	17♋33	3♏12	T 1
W 2	21 9 51	16° 2'09	22°13	4°11	0♎52	16°46	23°37	18°29	10°34	26♈ 5	25°45	17♌28	17°28	17°39	3°15	W 2
T 3	21 13 47	16°59'58	4♌ 4	6° 6	1°57	17°20	23°43	18°34	10°36	26° 5	25°47	17°28	17°25	17°46	3°19	T 3
F 4	21 17 44	17°57'48	15°59	8° 3	3° 1	17°54	23°50	18°38	10°39	26° 4	25°49	17°28	17°22	17°53	3°23	F 4
S 5	21 21 40	18°55'41	28° 1	10° 1	4° 6	18°27	23°56	18°43	10°42	26° 4	25°51	17°28	17°19	17°59	3°27	S 5
S 6	21 25 37	19°53'34	10♍12	12° 0	5°10	19° 0	24° 2	18°48	10°44	26° 4	25°53	17°28	17°16	18° 6	3°32	S 6
M 7	21 29 33	20°51'29	22°34	13°59	6°14	19°33	24° 8	18°52	10°47	26° 3	25°55	17°27	17°13	18°13	3°36	M 7
T 8	21 33 30	21°49'26	5♎ 8	15°58	7°17	20° 6	24°14	18°57	10°50	26° 3	25°57	17°27	17° 9	18°19	3°40	T 8
W 9	21 37 26	22°47'24	17°56	17°58	8°21	20°38	24°19	19° 2	10°53	26° 2	25°59	17°26	17° 6	18°26	3°45	W 9
T 10	21 41 23	23°45'23	1♏ 0	19°57	9°24	21°10	24°24	19° 7	10°55	26° 2	26° 1	17°26	17° 3	18°33	3°49	T 10
F 11	21 45 19	24°43'24	14°22	21°55	10°27	21°42	24°30	19°12	10°58	26° 1	26° 3	17°25	17° 0	18°39	3°54	F 11
S 12	21 49 16	25°41'26	28° 2	23°53	11°30	22°14	24°35	19°17	11° 1	26° 0	26° 5	17°D25	16°57	18°46	3°58	S 12
S 13	21 53 13	26°39'29	12♐ 2	25°50	12°32	22°45	24°40	19°23	11° 4	26° 0	26° 7	17°25	16°53	18°53	4° 3	S 13
M14	21 57 9	27°37'34	26°21	27°46	13°35	23°16	24°44	19°28	11° 7	25°59	26° 9	17°26	16°50	18°59	4° 8	M14
T 15	22 1 6	28°35'40	10♑55	29°41	14°37	23°47	24°49	19°33	11°10	25°58	26°11	17°27	16°47	19° 6	4°13	T 15
W16	22 5 2	29°33'48	25°42	1♍36	15°38	24°17	24°53	19°39	11°13	25°58	26°13	17°28	16°44	19°13	4°18	W16
T 17	22 8 59	0♍31'58	10♒35	3°29	16°40	24°47	24°57	19°44	11°16	25°57	26°15	17°R28	16°41	19°19	4°23	T 17
F 18	22 12 55	1°30'09	25°26	5°21	17°41	25°17	25° 1	19°50	11°19	25°56	26°17	17°28	16°38	19°26	4°28	F 18
S 19	22 16 52	2°28'21	10♓ 8	7°12	18°41	25°46	25° 5	19°55	11°22	25°55	26°19	17°27	16°34	19°33	4°33	S 19
S 20	22 20 48	3°26'36	24°34	9° 2	19°42	26°15	25° 9	20° 1	11°25	25°54	26°21	17°26	16°31	19°39	4°39	S 20
M21	22 24 45	4°24'52	8♈40	10°50	20°42	26°44	25°12	20° 6	11°29	25°53	26°23	17°24	16°28	19°46	4°44	M21
T 22	22 28 42	5°23'11	22°20	12°38	21°42	27°12	25°15	20°12	11°32	25°52	26°25	17°21	16°25	19°53	4°50	T 22
W23	22 32 38	6°21'31	5♉36	14°24	22°41	27°40	25°18	20°18	11°35	25°52	26°28	17°19	16°22	19°59	4°55	W23
T 24	22 36 35	7°19'54	18°27	16° 9	23°40	28° 8	25°21	20°24	11°38	25°51	26°30	17°17	16°18	20° 6	5° 1	T 24
F 25	22 40 31	8°18'19	0♊57	17°53	24°39	28°35	25°24	20°30	11°42	25°50	26°32	17°16	16°15	20°12	5° 6	F 25
S 26	22 44 28	9°16'46	13°10	19°36	25°37	29° 2	25°27	20°36	11°45	25°49	26°34	17°D16	16°12	20°19	5°12	S 26
S 27	22 48 24	10°15'15	25° 9	21°18	26°35	29°28	25°29	20°42	11°48	25°48	26°36	17°17	16° 9	20°26	5°18	S 27
M28	22 52 21	11°13'47	7♋ 1	22°59	27°32	29°54	25°31	20°48	11°52	25°46	26°38	17°18	16° 6	20°32	5°24	M28
T 29	22 56 17	12°12'21	18°49	24°39	28°29	0♊20	25°33	20°54	11°55	25°45	26°40	17°20	16° 3	20°39	5°30	T 29
W30	23 0 14	13°10'56	0♌39	26°17	29°25	0°45	25°35	21° 0	11°58	25°44	26°42	17°22	15°59	20°46	5°36	W30
T 31	23 4 11	14♍ 9'34	12♌33	27♍55	0♏22	1♊10	25♉36	21♎ 6	12♎ 2	25♈43	26♌44	17°R23	15♌56	20♋52	5♏42	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n23	19n57	3s12	20n47	1n 4	0s17	0s25	15n 2	1s47	17n44	1s 2	5s 2	2n24	3s36	0n38	8n24	1s50	24n28	12n14	15n40	15n39	19n50	11s13	1n30	T 1
W 2	16 6	19 28	2 16	20 28	1 13	0 48	0 30	15 13	1 47	17 45	1 2	5 4	2 24	3 37	0 38	8 24	1 50	24 28	12 14	15 40	15 40	19 50	11 15	1 30	W 2
T 3	15 48	18 8	1 14	20 7	1 20	1 18	0 35	15 23	1 46	17 47	1 2	5 6	2 23	3 38	0 38	8 24	1 51	24 27	12 14	15 40	15 41	19 49	11 16	1 30	T 3
F 4	15 31	15 59	0 8	19 43	1 26	1 49	0 40	15 33	1 46	17 48	1 2	5 7	2 23	3 39	0 38	8 24	1 51	24 26	12 14	15 40	15 42	19 49	11 17	1 30	F 4
S 5	15 13	13 7	0n58	19 17	1 32	2 19	0 45	15 42	1 45	17 50	1 2	5 9	2 23	3 40	0 38	8 23	1 51	24 25	12 14	15 40	15 43	19 49	11 18	1 30	S 5
S 6	14 55	9 40	2 3	18 48	1 36	2 49	0 50	15 52	1 44	17 51	1 2	5 11	2 23	3 42	0 37	8 23	1 51	24 25	12 14	15 40	15 44	19 49	11 20	1 30	S 6
M 7	14 36	5 46	3 3	18 18	1 40	3 20	0 55	16 2	1 44	17 52	1 2	5 13	2 23	3 43	0 37	8 23	1 51	24 24	12 14	15 40	15 45	19 49	11 21	1 30	M 7
T 8	14 17	1 33	3 55	17 45	1 43	3 50	1 1	16 11	1 43	17 54	1 3	5 15	2 22	3 44	0 37	8 23	1 51	24 23	12 15	15 40	15 45	19 49	11 22	1 30	T 8
W 9	13 59	2s48	4 36	17 10	1 45	4 20	1 6	16 20	1 43	17 55	1 3	5 18	2 22	3 45	0 37	8 22	1 51	24 23	12 15	15 40	15 46	19 49	11 24	1 31	W 9
T 10	13 39	7 7	5 4	16 34	1 46	4 50	1 11	16 29	1 42	17 56	1 3	5 20	2 22	3 46	0 37	8 22	1 51	24 22	12 15	15 41	15 47	19 49	11 25	1 31	T 10
F 11	13 20	11 10	5 17	15 56	1 47	5 20	1 17	16 38	1 41	17 57	1 3	5 22	2 22	3 47	0 37	8 22	1 51	24 21	12 15	15 41	15 48	19 49	11 27	1 31	F 11
S 12	13 1	14 44	5 12	15 17	1 47	5 50	1 22	16 47	1 40	17 58	1 3	5 24	2 22	3 48	0 37	8 22	1 51	24 21	12 15	15 41	15 49	19 48	11 28	1 31	S 12
S 13	12 41	17 33	4 49	14 37	1 46	6 19	1 28	16 56	1 40	17 59	1 3	5 26	2 21	3 50	0 37	8 21	1 51	24 20	12 15	15 41	15 50	19 48	11 30	1 31	S 13
M14	12 21	19 22	4 7	13 56	1 44	6 49	1 33	17 4	1 39	18 1	1 3	5 28	2 21	3 51	0 37	8 21	1 51	24 19	12 15	15 40	15 51	19 48	11 31	1 31	M14
T 15	12 1	19 57	3 9	13 14	1 43	7 18	1 39	17 13	1 38	18 1	1 3	5 30	2 21	3 52	0 37	8 21	1 51	24 19	12 15	15 40	15 52	19 48	11 33	1 31	T 15
W16	11 40	19 10	1 58	12 31	1 40	7 47	1 45	17 21	1 37	18 2	1 4	5 33	2 21	3 53	0 37	8 20	1 51	24 18	12 15	15 40	15 53	19 48	11 34	1 31	W16
T 17	11 20	17 3	0 38	11 47	1 37	8 17	1 51	17 29	1 36	18 3	1 4	5 35	2 21	3 54	0 37	8 20	1 51	24 17	12 15	15 40	15 54	19 48	11 36	1 32	T 17
F 18	10 59	13 47	0s44	11 3	1 34	8 45	1 56	17 37	1 36	18 4	1 4	5 37	2 21	3 56	0 37	8 20	1 51	24 17	12 15	15 40	15 55	19 48	11 37	1 32	F 18
S 19	10 38	9 41	2 2	10 18	1 30	9 14	2 2	17 45	1 35	18 5	1 4	5 39	2 20	3 57	0 37	8 19	1 51	24 16	12 15	15 40	15 56	19 47	11 39	1 32	S 19
S 20	10 17	5 5	3 11	9 33	1 26	9 43	2 8	17 52	1 34	18 6	1 4	5 42	2 20	3 58	0 37	8 19	1 52	24 15	12 15	15 40	15 57	19 47	11 41	1 32	S 20
M21	9 56	0 20	4 7	8 47	1 21	10 11	2 14	18 0	1 33	18 6	1 4	5 44	2 20	3 59	0 37	8 19	1 52	24 15	12 16	15 41	15 58	19 47	11 42	1 32	M21
T 22	9 34	4n18	4 46	8 1	1 16	10 39	2 20	18 7	1 32	18 7	1 4	5 46	2 20	4 1	0 37	8 18	1 52	24 14	12 16	15 42	15 59	19 47	11 44	1 32	T 22
W23	9 13	8 35	5 9	7 15	1 11	11 7	2 26	18 15	1 31	18 8	1 4	5 48	2 20	4 2	0 37	8 18	1 52	24 14	12 16	15 43	16 0	19 47	11 46	1 32	W23
T 24	8 51	12 20	5 16	6 30	1 6	11 34	2 32	18 22	1 30	18 8	1 4	5 51	2 20	4 3	0 37	8 17	1 52	24 13	12 16	15 43	16 1	19 46	11 48	1 32	T 24
F 25	8 29	15 26	5 7	5 43	1 0	12 2	2 38	18 29	1 29	18 9	1 5	5 53	2 19	4 5	0 37	8 17	1 52	24 12	12 16	15 43	16 2	19 46	11 49	1 33	F 25
S 26	8 7	17 46	4 44	4 57	0 54	12 29	2 44	18 36	1 28	18 9	1 5	5 56	2 19	4 6	0 37	8 17	1 52	24 12	12 16	15 43	16 3	19 46	11 51	1 33	S 26
S 27	7 45	19 18	4 9	4 12	0 48	12 56	2 50	18 42	1 27	18 10	1 5	5 58	2 19	4 7	0 37	8 16	1 52	24 11	12 16	15 43	16 4	19 46	11 53	1 33	S 27
M28	7 23	19 57	3 24	3 26	0 41	13 22	2 56	18 49	1 26	18 10	1 5	6 0	2 19	4 9	0 37	8 16	1 52	24 11	12 16	15 43	16 5	19 46	11 55	1 33	M28
T 29	7 1	19 43	2 31	2 40	0 35	13 48	3 2	18 55	1 25	18 10	1 5	6 3	2 19	4 10	0 37	8 15	1 52	24 10	12 17	15 42	16 6	19 46	11 57	1 33	T 29
W30	6 38	18 37	1 31	1 54	0 28	14 14	3 8	19 2	1 24	18 11	1 5	6 5	2 19	4 11	0 37	8 15	1 52	24 10	12 17	15 42	16 7	19 45	11 59	1 33	W30
T 31	6n16	16n41	0s26	1n 9	0n21	14s40	3s14	19n 8	1s23	18n11	1s 5	6s 8	2n19	4s13	0n37	8n14	1s52	24n 9	12n17	15n41	16n 8	19n45	12s 0	1n33	T 31

Julian Day Number = 2165779.5, Delta T = 12m46s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'48, Lahiri = 12°56'49 Julian Calendar 1 Aug. 1217 == Greg. Calendar 8 Aug. 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

SEPTEMBER 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 8 7	15♍ 8'14	24♌36	29♍32	1♏17	1♊34	25♉37	21♎12	12♎ 5	25°R42	26♌45	17°R22	15♌53	20♋59	5♏48	F 1
S 2	23 12 4	16° 6'56	6♍50	1♎ 8	2°12	1°58	25°39	21°19	12° 9	25♈41	26°47	17♌21	15°50	21° 6	5°54	S 2
S 3	23 16 0	17° 5'40	19°17	2°42	3° 7	2°21	25°40	21°25	12°12	25°40	26°49	17°18	15°47	21°12	6° 0	S 3
M 4	23 19 57	18° 4'27	1♎57	4°16	4° 1	2°44	25°40	21°31	12°16	25°38	26°51	17°14	15°44	21°19	6° 7	M 4
T 5	23 23 53	19° 3'15	14°51	5°49	4°54	3° 7	25°41	21°38	12°19	25°37	26°53	17° 9	15°40	21°26	6°13	T 5
W 6	23 27 50	20° 2'04	27°59	7°21	5°47	3°29	25°41	21°44	12°23	25°36	26°55	17° 3	15°37	21°32	6°20	W 6
T 7	23 31 46	21° 0'56	11♏20	8°51	6°40	3°50	25°R41	21°51	12°26	25°34	26°57	16°58	15°34	21°39	6°26	T 7
F 8	23 35 43	21°59'50	24°53	10°21	7°31	4°11	25°41	21°57	12°30	25°33	26°59	16°54	15°31	21°46	6°33	F 8
S 9	23 39 40	22°58'45	8♐38	11°50	8°22	4°32	25°41	22° 4	12°34	25°32	27° 1	16°52	15°28	21°52	6°39	S 9
S 10	23 43 36	23°57'43	22°34	13°18	9°13	4°51	25°40	22°10	12°37	25°30	27° 3	16°D51	15°24	21°59	6°46	S 10
M11	23 47 33	24°56'42	6♑41	14°45	10° 2	5°11	25°40	22°17	12°41	25°29	27° 5	16°51	15°21	22° 6	6°53	M11
T 12	23 51 29	25°55'43	20°57	16°11	10°51	5°30	25°39	22°24	12°44	25°28	27° 6	16°53	15°18	22°12	6°59	T 12
W13	23 55 26	26°54'45	5♒20	17°36	11°39	5°48	25°38	22°30	12°48	25°26	27° 8	16°54	15°15	22°19	7° 6	W13
T 14	23 59 22	27°53'50	19°47	19° 0	12°27	6° 6	25°37	22°37	12°52	25°25	27°10	16°R54	15°12	22°26	7°13	T 14
F 15	0 3 19	28°52'56	4♓14	20°23	13°13	6°23	25°35	22°44	12°55	25°23	27°12	16°53	15° 9	22°32	7°20	F 15
S 16	0 7 15	29°52'04	18°35	21°45	13°59	6°39	25°33	22°51	12°59	25°22	27°14	16°50	15° 5	22°39	7°27	S 16
S 17	0 11 12	0♎51'14	2♈47	23° 6	14°44	6°55	25°32	22°57	13° 3	25°20	27°15	16°44	15° 2	22°46	7°34	S 17
M18	0 15 8	1°50'26	16°42	24°26	15°27	7°10	25°29	23° 4	13° 6	25°19	27°17	16°37	14°59	22°52	7°41	M18
T 19	0 19 5	2°49'40	0♉18	25°44	16°10	7°25	25°27	23°11	13°10	25°17	27°19	16°30	14°56	22°59	7°48	T 19
W20	0 23 2	3°48'57	13°33	27° 1	16°52	7°39	25°25	23°18	13°14	25°16	27°21	16°22	14°53	23° 6	7°55	W20
T 21	0 26 58	4°48'16	26°25	28°17	17°33	7°52	25°22	23°25	13°18	25°14	27°22	16°15	14°50	23°12	8° 2	T 21
F 22	0 30 55	5°47'37	8♊56	29°31	18°13	8° 5	25°19	23°32	13°21	25°13	27°24	16° 9	14°46	23°19	8°10	F 22
S 23	0 34 51	6°47'01	21°10	0♏44	18°51	8°17	25°16	23°39	13°25	25°11	27°26	16° 6	14°43	23°26	8°17	S 23
S 24	0 38 48	7°46'26	3♋10	1°55	19°28	8°28	25°13	23°46	13°29	25° 9	27°27	16°D 4	14°40	23°32	8°24	S 24
M25	0 42 44	8°45'55	15° 1	3° 4	20° 5	8°39	25° 9	23°53	13°33	25° 8	27°29	16° 4	14°37	23°39	8°32	M25
T 26	0 46 41	9°45'25	26°50	4°11	20°40	8°49	25° 6	24° 0	13°36	25° 6	27°31	16° 5	14°34	23°45	8°39	T 26
W27	0 50 37	10°44'58	8♌40	5°16	21°13	8°58	25° 2	24° 7	13°40	25° 5	27°32	16° 6	14°30	23°52	8°46	W27
T 28	0 54 34	11°44'33	20°38	6°19	21°45	9° 6	24°58	24°14	13°44	25° 3	27°34	16°R 6	14°27	23°59	8°54	T 28
F 29	0 58 31	12°44'11	2♍47	7°19	22°16	9°14	24°54	24°21	13°48	25° 1	27°35	16° 5	14°24	24° 5	9° 1	F 29
S 30	1 2 27	13♎43'50	15♍11	8♏17	22♏45	9♊20	24♉49	24♎28	13♎52	25♈ 0	27♌37	16♌ 1	14♌21	24♋12	9♏ 9	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n53	14n 0	0n40	0n24	0n14	15s 5	3s20	19n14	1s21	18n11	1s 5	6s10	2n18	4s14	0n37	8n14	1s52	24n 9	12n17	15n42	16n 8	19n45	12s 2	1n33
S 2	5 30	10 40	1 45	0s21	0 7	15 30	3 26	19 20	1 20	18 11	1 6	6 13	2 18	4 15	0 37	8 14	1 52	24 8	12 17	15 42	16 9	19 45	12 4	1 34
S 3	5 7	6 48	2 46	1 5	0s 0	15 55	3 32	19 26	1 19	18 12	1 6	6 15	2 18	4 17	0 37	8 13	1 52	24 7	12 18	15 43	16 10	19 44	12 6	1 34
M 4	4 44	2 35	3 40	1 49	0 7	16 19	3 38	19 31	1 18	18 12	1 6	6 18	2 18	4 18	0 37	8 13	1 52	24 7	12 18	15 44	16 11	19 44	12 8	1 34
T 5	4 21	1s49	4 24	2 33	0 15	16 43	3 44	19 37	1 17	18 12	1 6	6 20	2 18	4 19	0 37	8 12	1 52	24 6	12 18	15 46	16 12	19 44	12 10	1 34
W 6	3 58	6 13	4 55	3 16	0 22	17 7	3 50	19 42	1 15	18 12	1 6	6 23	2 18	4 21	0 37	8 12	1 52	24 6	12 18	15 47	16 13	19 44	12 12	1 34
T 7	3 35	10 22	5 10	3 59	0 30	17 30	3 55	19 48	1 14	18 11	1 6	6 25	2 18	4 22	0 37	8 11	1 52	24 5	12 18	15 49	16 14	19 44	12 14	1 34
F 8	3 11	14 4	5 9	4 41	0 37	17 53	4 1	19 53	1 13	18 11	1 6	6 28	2 18	4 24	0 37	8 10	1 52	24 5	12 19	15 50	16 15	19 43	12 16	1 34
S 9	2 48	17 4	4 50	5 23	0 45	18 15	4 7	19 58	1 11	18 11	1 6	6 30	2 17	4 25	0 37	8 10	1 52	24 5	12 19	15 51	16 16	19 43	12 18	1 35
S 10	2 24	19 7	4 13	6 4	0 52	18 37	4 13	20 3	1 10	18 11	1 6	6 33	2 17	4 27	0 37	8 9	1 52	24 4	12 19	15 51	16 17	19 43	12 20	1 35
M11	2 1	20 1	3 21	6 45	0 59	18 58	4 19	20 8	1 8	18 11	1 7	6 35	2 17	4 28	0 37	8 9	1 53	24 4	12 19	15 51	16 18	19 43	12 22	1 35
T 12	1 37	19 39	2 17	7 25	1 7	19 19	4 24	20 13	1 7	18 10	1 7	6 38	2 17	4 29	0 37	8 8	1 53	24 3	12 20	15 51	16 19	19 42	12 24	1 35
W13	1 14	18 0	1 3	8 5	1 14	19 40	4 30	20 17	1 5	18 10	1 7	6 40	2 17	4 31	0 37	8 8	1 53	24 3	12 20	15 50	16 20	19 42	12 27	1 35
T 14	0 50	15 12	0s16	8 44	1 21	20 0	4 36	20 22	1 4	18 10	1 7	6 43	2 17	4 32	0 37	8 7	1 53	24 2	12 20	15 50	16 21	19 42	12 29	1 35
F 15	0 27	11 26	1 33	9 22	1 29	20 20	4 41	20 26	1 2	18 9	1 7	6 46	2 17	4 34	0 37	8 7	1 53	24 2	12 20	15 50	16 22	19 41	12 31	1 35
S 16	0 3	7 2	2 43	10 0	1 36	20 39	4 47	20 31	1 1	18 9	1 7	6 48	2 17	4 35	0 37	8 6	1 53	24 2	12 21	15 51	16 23	19 41	12 33	1 36
S 17	0s20	2 18	3 43	10 36	1 43	20 58	4 52	20 35	0 59	18 8	1 7	6 51	2 17	4 37	0 37	8 6	1 53	24 1	12 21	15 53	16 24	19 41	12 35	1 36
M18	0 44	2n29	4 28	11 12	1 50	21 16	4 57	20 39	0 58	18 8	1 7	6 53	2 17	4 38	0 37	8 5	1 53	24 1	12 21	15 55	16 24	19 41	12 37	1 36
T 19	1 8	7 0	4 56	11 48	1 57	21 34	5 2	20 43	0 56	18 7	1 7	6 56	2 16	4 40	0 37	8 4	1 53	24 0	12 21	15 58	16 25	19 40	12 39	1 36
W20	1 31	11 5	5 8	12 22	2 3	21 51	5 7	20 47	0 54	18 6	1 7	6 59	2 16	4 41	0 37	8 4	1 53	24 0	12 22	16 0	16 26	19 40	12 41	1 36
T 21	1 55	14 31	5 3	12 55	2 10	22 8	5 12	20 51	0 52	18 6	1 7	7 1	2 16	4 43	0 37	8 3	1 53	24 0	12 22	16 2	16 27	19 40	12 44	1 36
F 22	2 19	17 12	4 44	13 28	2 16	22 24	5 17	20 55	0 51	18 5	1 8	7 4	2 16	4 44	0 37	8 3	1 53	23 59	12 22	16 4	16 28	19 39	12 46	1 37
S 23	2 42	19 2	4 13	13 59	2 22	22 39	5 22	20 59	0 49	18 4	1 8	7 7	2 16	4 45	0 37	8 2	1 53	23 59	12 22	16 5	16 29	19 39	12 48	1 37
S 24	3 6	20 0	3 30	14 30	2 28	22 54	5 26	21 2	0 47	18 3	1 8	7 9	2 16	4 47	0 37	8 1	1 53	23 59	12 23	16 5	16 30	19 39	12 50	1 37
M25	3 29	20 3	2 39	14 59	2 33	23 8	5 31	21 6	0 45	18 2	1 8	7 12	2 16	4 48	0 36	8 1	1 53	23 58	12 23	16 5	16 31	19 38	12 52	1 37
T 26	3 53	19 13	1 42	15 27	2 39	23 22	5 35	21 9	0 43	18 1	1 8	7 15	2 16	4 50	0 36	8 0	1 53	23 58	12 23	16 5	16 32	19 38	12 55	1 37
W27	4 16	17 32	0 40	15 54	2 44	23 35	5 39	21 12	0 41	18 0	1 8	7 17	2 16	4 51	0 36	8 0	1 53	23 58	12 24	16 5	16 33	19 38	12 57	1 37
T 28	4 40	15 4	0n24	16 19	2 48	23 48	5 43	21 16	0 39	17 59	1 8	7 20	2 16	4 53	0 36	7 59	1 53	23 58	12 24	16 4	16 34	19 37	12 59	1 38
F 29	5 3	11 54	1 28	16 43	2 52	23 59	5 47	21 19	0 37	17 58	1 8	7 22	2 16	4 54	0 36	7 58	1 53	23 57	12 24	16 5	16 35	19 37	13 1	1 38
S 30	5s26	8n 9	2n29	17s 6	2s56	24s10	5s50	21n22	0s35	17n57	1s 8	7s25	2n16	4s56	0n36	7n58	1s53	23n57	12n25	16n 6	16n36	19n37	13s 3	1n38

Julian Day Number = 2165810.5, Delta T = 12m46s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'52, Lahiri = 12°56'53 Julian Calendar 1 Sept. 1217 == Greg. Calendar 8 Sept. 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

OCTOBER 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 24	14♎43'32	27♍52	9♏11	23♏13	9♊26	24°R45	24♎35	13♎55	24°R58	27♌39	15°R55	14♌18	24♋19	9♏16	S 1
M 2	1 10 20	15°43'16	10♎52	10° 2	23°39	9°31	24♉40	24°43	13°59	24♈56	27°40	15♌46	14°15	24°25	9°24	M 2
T 3	1 14 17	16°43'02	24°10	10°49	24° 4	9°36	24°35	24°50	14° 3	24°55	27°42	15°36	14°11	24°32	9°32	T 3
W 4	1 18 13	17°42'49	7♏43	11°32	24°26	9°39	24°30	24°57	14° 7	24°53	27°43	15°25	14° 8	24°39	9°39	W 4
T 5	1 22 10	18°42'39	21°29	12°11	24°47	9°42	24°25	25° 4	14°10	24°51	27°44	15°15	14° 5	24°45	9°47	T 5
F 6	1 26 6	19°42'31	5♐25	12°44	25° 6	9°44	24°19	25°11	14°14	24°50	27°46	15° 6	14° 2	24°52	9°55	F 6
S 7	1 30 3	20°42'25	19°26	13°12	25°24	9°45	24°14	25°18	14°18	24°48	27°47	15° 0	13°59	24°59	10° 2	S 7
S 8	1 34 0	21°42'20	3♑31	13°33	25°39	9°R45	24° 8	25°25	14°22	24°46	27°49	14°56	13°55	25° 5	10°10	S 8
M 9	1 37 56	22°42'17	17°37	13°48	25°52	9°44	24° 2	25°33	14°25	24°45	27°50	14°D55	13°52	25°12	10°18	M 9
T 10	1 41 53	23°42'15	1♒43	13°R56	26° 3	9°42	23°56	25°40	14°29	24°43	27°51	14°55	13°49	25°19	10°26	T 10
W11	1 45 49	24°42'15	15°49	13°55	26°12	9°40	23°50	25°47	14°33	24°41	27°53	14°R55	13°46	25°25	10°34	W11
T 12	1 49 46	25°42'17	29°52	13°46	26°18	9°37	23°44	25°54	14°37	24°40	27°54	14°54	13°43	25°32	10°41	T 12
F 13	1 53 42	26°42'20	13♓53	13°28	26°22	9°32	23°37	26° 1	14°40	24°38	27°55	14°51	13°40	25°39	10°49	F 13
S 14	1 57 39	27°42'25	27°48	13° 1	26°R24	9°27	23°31	26° 9	14°44	24°36	27°56	14°45	13°36	25°45	10°57	S 14
S 15	2 1 35	28°42'32	11♈34	12°23	26°24	9°21	23°24	26°16	14°48	24°35	27°57	14°37	13°33	25°52	11° 5	S 15
M16	2 5 32	29°42'41	25°10	11°37	26°21	9°14	23°17	26°23	14°51	24°33	27°59	14°25	13°30	25°59	11°13	M16
T 17	2 9 28	0♏42'51	8♉30	10°41	26°15	9° 7	23°10	26°30	14°55	24°31	28° 0	14°13	13°27	26° 5	11°21	T 17
W18	2 13 25	1°43'03	21°34	9°37	26° 8	8°58	23° 3	26°37	14°59	24°30	28° 1	14° 0	13°24	26°12	11°29	W18
T 19	2 17 22	2°43'17	4♊19	8°27	25°57	8°48	22°56	26°44	15° 2	24°28	28° 2	13°48	13°21	26°18	11°37	T 19
F 20	2 21 18	3°43'33	16°47	7°11	25°45	8°38	22°48	26°52	15° 6	24°26	28° 3	13°38	13°17	26°25	11°45	F 20
S 21	2 25 15	4°43'51	28°59	5°52	25°30	8°27	22°41	26°59	15°10	24°25	28° 4	13°31	13°14	26°32	11°52	S 21
S 22	2 29 11	5°44'12	10♋59	4°32	25°12	8°15	22°34	27° 6	15°13	24°23	28° 5	13°26	13°11	26°38	12° 0	S 22
M23	2 33 8	6°44'34	22°50	3°14	24°53	8° 2	22°26	27°13	15°17	24°21	28° 6	13°24	13° 8	26°45	12° 8	M23
T 24	2 37 4	7°44'58	4♌37	2° 1	24°31	7°48	22°18	27°20	15°20	24°20	28° 7	13°23	13° 5	26°52	12°16	T 24
W25	2 41 1	8°45'23	16°27	0°55	24° 7	7°34	22°11	27°27	15°24	24°18	28° 8	13°23	13° 1	26°58	12°24	W25
T 26	2 44 57	9°45'51	28°25	29♎57	23°40	7°18	22° 3	27°34	15°28	24°16	28° 9	13°22	12°58	27° 5	12°32	T 26
F 27	2 48 54	10°46'21	10♍35	29°10	23°12	7° 2	21°55	27°41	15°31	24°15	28°10	13°20	12°55	27°12	12°40	F 27
S 28	2 52 51	11°46'52	23° 4	28°34	22°43	6°45	21°47	27°49	15°35	24°13	28°10	13°16	12°52	27°18	12°48	S 28
S 29	2 56 47	12°47'26	5♎54	28°10	22°11	6°28	21°39	27°56	15°38	24°12	28°11	13° 8	12°49	27°25	12°56	S 29
M30	3 0 44	13°48'01	19° 7	27°57	21°39	6°10	21°31	28° 3	15°41	24°10	28°12	12°58	12°46	27°32	13° 4	M30
T 31	3 4 40	14♏48'37	2♏44	27°D55	21♏ 5	5♊51	21♉23	28♎10	15♎45	24♈ 8	28♌13	12♌46	12♌42	27♋38	13♏12	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s50	3n58	3n24	17s27	2s59	24s21	5s53	21n25	0s33	17n56	1s 8	7s28	2n16	4s57	0n36	7n57	1s53	23n57	12n25	16n 8	16n37	19n36	13s 6	1n38
M 2	6 13	0s29	4 10	17 46	3 2	24 31	5 56	21 28	0 31	17 55	1 8	7 30	2 16	4 59	0 36	7 57	1 53	23 57	12 25	16 11	16 38	19 36	13 8	1 38
T 3	6 36	5 1	4 43	18 3	3 4	24 39	5 59	21 31	0 29	17 53	1 8	7 33	2 16	5 0	0 36	7 56	1 53	23 56	12 26	16 14	16 38	19 36	13 10	1 39
W 4	6 59	9 24	5 1	18 17	3 5	24 48	6 2	21 33	0 26	17 52	1 8	7 36	2 16	5 2	0 36	7 55	1 53	23 56	12 26	16 17	16 39	19 35	13 12	1 39
T 5	7 22	13 21	5 2	18 30	3 6	24 55	6 4	21 36	0 24	17 51	1 8	7 38	2 16	5 3	0 36	7 55	1 53	23 56	12 26	16 20	16 40	19 35	13 15	1 39
F 6	7 44	16 37	4 45	18 40	3 6	25 2	6 6	21 39	0 22	17 50	1 8	7 41	2 16	5 5	0 36	7 54	1 53	23 56	12 27	16 22	16 41	19 35	13 17	1 39
S 7	8 7	18 57	4 11	18 48	3 5	25 8	6 7	21 41	0 19	17 48	1 8	7 44	2 16	5 6	0 36	7 53	1 53	23 56	12 27	16 24	16 42	19 34	13 19	1 39
S 8	8 30	20 8	3 22	18 52	3 2	25 12	6 8	21 44	0 17	17 47	1 8	7 46	2 15	5 8	0 36	7 53	1 53	23 55	12 28	16 25	16 43	19 34	13 21	1 39
M 9	8 52	20 4	2 20	18 54	2 59	25 17	6 9	21 46	0 15	17 45	1 8	7 49	2 15	5 9	0 36	7 52	1 53	23 55	12 28	16 26	16 44	19 34	13 24	1 40
T 10	9 14	18 44	1 10	18 52	2 55	25 20	6 10	21 48	0 12	17 44	1 8	7 51	2 15	5 10	0 36	7 52	1 53	23 55	12 28	16 26	16 45	19 33	13 26	1 40
W11	9 37	16 14	0s 5	18 46	2 49	25 22	6 10	21 50	0 10	17 42	1 9	7 54	2 15	5 12	0 36	7 51	1 53	23 55	12 29	16 26	16 46	19 33	13 28	1 40
T 12	9 59	12 47	1 19	18 36	2 41	25 23	6 9	21 52	0 7	17 41	1 9	7 57	2 15	5 13	0 36	7 50	1 53	23 55	12 29	16 26	16 47	19 32	13 30	1 40
F 13	10 20	8 38	2 27	18 22	2 32	25 23	6 9	21 54	0 4	17 39	1 9	7 59	2 15	5 15	0 36	7 50	1 53	23 55	12 29	16 27	16 48	19 32	13 33	1 40
S 14	10 42	4 2	3 27	18 4	2 22	25 22	6 7	21 56	0 2	17 37	1 9	8 2	2 15	5 16	0 36	7 49	1 53	23 55	12 30	16 29	16 49	19 32	13 35	1 41
S 15	11 4	0n43	4 13	17 40	2 9	25 20	6 5	21 58	0n 1	17 36	1 9	8 5	2 15	5 18	0 36	7 49	1 53	23 55	12 30	16 31	16 49	19 31	13 37	1 41
M16	11 25	5 22	4 44	17 12	1 55	25 17	6 3	21 59	0 4	17 34	1 9	8 7	2 15	5 19	0 36	7 48	1 53	23 55	12 31	16 34	16 50	19 31	13 39	1 41
T 17	11 46	9 40	4 59	16 40	1 40	25 13	6 0	22 1	0 6	17 32	1 9	8 10	2 15	5 20	0 36	7 47	1 53	23 55	12 31	16 38	16 51	19 30	13 42	1 41
W18	12 7	13 26	4 58	16 3	1 22	25 8	5 56	22 2	0 9	17 30	1 8	8 12	2 15	5 22	0 36	7 47	1 53	23 55	12 31	16 42	16 52	19 30	13 44	1 42
T 19	12 28	16 28	4 42	15 23	1 3	25 1	5 52	22 3	0 12	17 29	1 8	8 15	2 15	5 23	0 36	7 46	1 53	23 55	12 32	16 45	16 53	19 30	13 46	1 42
F 20	12 49	18 41	4 13	14 39	0 44	24 54	5 47	22 4	0 15	17 27	1 8	8 17	2 15	5 25	0 36	7 45	1 53	23 55	12 32	16 48	16 54	19 29	13 48	1 42
S 21	13 9	20 0	3 32	13 54	0 23	24 45	5 42	22 6	0 17	17 25	1 8	8 20	2 15	5 26	0 36	7 45	1 53	23 55	12 33	16 50	16 55	19 29	13 50	1 42
S 22	13 29	20 23	2 43	13 7	0 2	24 34	5 36	22 6	0 20	17 23	1 8	8 23	2 15	5 28	0 36	7 44	1 53	23 55	12 33	16 52	16 56	19 28	13 53	1 42
M23	13 49	19 51	1 47	12 22	0n18	24 23	5 29	22 7	0 23	17 21	1 8	8 25	2 16	5 29	0 36	7 44	1 53	23 55	12 33	16 52	16 57	19 28	13 55	1 43
T 24	14 9	18 26	0 46	11 38	0 38	24 10	5 21	22 8	0 26	17 19	1 8	8 28	2 16	5 30	0 36	7 43	1 53	23 55	12 34	16 52	16 58	19 28	13 57	1 43
W25	14 29	16 14	0n16	10 57	0 57	23 56	5 13	22 8	0 29	17 17	1 8	8 30	2 16	5 32	0 37	7 43	1 53	23 55	12 34	16 52	16 59	19 27	13 59	1 43
T 26	14 48	13 18	1 19	10 21	1 14	23 41	5 4	22 9	0 32	17 15	1 8	8 33	2 16	5 33	0 37	7 42	1 53	23 55	12 35	16 53	16 59	19 27	14 1	1 43
F 27	15 7	9 46	2 19	9 50	1 29	23 24	4 55	22 9	0 35	17 14	1 8	8 35	2 16	5 34	0 37	7 41	1 53	23 55	12 35	16 53	17 0	19 26	14 4	1 44
S 28	15 26	5 43	3 14	9 24	1 43	23 6	4 44	22 9	0 38	17 12	1 8	8 38	2 16	5 36	0 37	7 41	1 53	23 55	12 36	16 55	17 1	19 26	14 6	1 44
S 29	15 44	1 19	4 0	9 5	1 55	22 47	4 33	22 9	0 41	17 10	1 8	8 40	2 16	5 37	0 37	7 40	1 53	23 55	12 36	16 57	17 2	19 25	14 8	1 44
M30	16 3	3s16	4 35	8 51	2 4	22 28	4 22	22 9	0 44	17 8	1 8	8 43	2 16	5 38	0 37	7 40	1 53	23 55	12 36	17 0	17 3	19 25	14 10	1 44
T 31	16s21	7s50	4n56	8s43	2n12	22s 7	4s10	22n 8	0n47	17n 5	1s 8	8s45	2n16	5s40	0n37	7n39	1s53	23n55	12n37	17n 3	17n 4	19n24	14s12	1n45

Julian Day Number = 2165840.5, Delta T = 12m46s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°49'57, Lahiri = 12°56'57 Julian Calendar 1 Oct. 1217 == Greg. Calendar 8 Oct. 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

NOVEMBER 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 8 37	15♏49'16	16♏41	28♎ 5	20°R30	5°R31	21°R15	28♎17	15♎48	24°R 7	28♌14	12°R33	12♌39	27♋45	13♏20	W 1
T 2	3 12 33	16°49'56	0♐54	28°24	19♏54	5♊11	21♉ 7	28°24	15°52	24♈ 5	28°14	12♌21	12°36	27°52	13°28	T 2
F 3	3 16 30	17°50'37	15°18	28°53	19°18	4°51	20°58	28°30	15°55	24° 4	28°15	12°10	12°33	27°58	13°36	F 3
S 4	3 20 26	18°51'20	29°45	29°30	18°42	4°30	20°50	28°37	15°58	24° 2	28°15	12° 2	12°30	28° 5	13°44	S 4
S 5	3 24 23	19°52'04	14♑11	0♏14	18° 6	4° 8	20°42	28°44	16° 2	24° 1	28°16	11°57	12°27	28°12	13°52	S 5
M 6	3 28 20	20°52'49	28°30	1° 5	17°30	3°47	20°34	28°51	16° 5	23°59	28°17	11°55	12°23	28°18	14° 0	M 6
T 7	3 32 16	21°53'35	12♒41	2° 2	16°54	3°25	20°26	28°58	16° 8	23°58	28°17	11°D55	12°20	28°25	14° 8	T 7
W 8	3 36 13	22°54'22	26°42	3° 4	16°19	3° 2	20°18	29° 5	16°11	23°57	28°18	11°R55	12°17	28°32	14°16	W 8
T 9	3 40 9	23°55'09	10♓33	4°10	15°45	2°39	20° 9	29°12	16°15	23°55	28°18	11°54	12°14	28°38	14°24	T 9
F 10	3 44 6	24°55'58	24°14	5°20	15°12	2°17	20° 1	29°18	16°18	23°54	28°19	11°51	12°11	28°45	14°32	F 10
S 11	3 48 2	25°56'48	7♈46	6°33	14°41	1°54	19°53	29°25	16°21	23°52	28°19	11°45	12° 7	28°51	14°39	S 11
S 12	3 51 59	26°57'39	21° 7	7°49	14°11	1°30	19°45	29°32	16°24	23°51	28°19	11°36	12° 4	28°58	14°47	S 12
M13	3 55 55	27°58'30	4♉18	9° 8	13°43	1° 7	19°37	29°38	16°27	23°50	28°20	11°25	12° 1	29° 5	14°55	M13
T 14	3 59 52	28°59'23	17°17	10°28	13°17	0°44	19°29	29°45	16°30	23°48	28°20	11°12	11°58	29°11	15° 3	T 14
W15	4 3 49	0♐ 0'17	0♊ 2	11°51	12°53	0°21	19°21	29°51	16°33	23°47	28°20	10°59	11°55	29°18	15°11	W15
T 16	4 7 45	1° 1'12	12°35	13°14	12°32	29♉58	19°13	29°58	16°36	23°46	28°21	10°47	11°52	29°25	15°19	T 16
F 17	4 11 42	2° 2'08	24°53	14°39	12°12	29°35	19° 5	0♏ 4	16°39	23°44	28°21	10°37	11°48	29°31	15°26	F 17
S 18	4 15 38	3° 3'06	7♋ 0	16° 5	11°55	29°13	18°58	0°11	16°42	23°43	28°21	10°29	11°45	29°38	15°34	S 18
S 19	4 19 35	4° 4'04	18°56	17°32	11°40	28°50	18°50	0°17	16°45	23°42	28°21	10°24	11°42	29°45	15°42	S 19
M20	4 23 31	5° 5'03	0♌45	19° 0	11°28	28°28	18°43	0°24	16°48	23°41	28°21	10°21	11°39	29°51	15°49	M20
T 21	4 27 28	6° 6'04	12°32	20°29	11°18	28° 7	18°35	0°30	16°51	23°40	28°21	10°D21	11°36	29°58	15°57	T 21
W22	4 31 25	7° 7'06	24°20	21°58	11°11	27°45	18°28	0°36	16°53	23°39	28°21	10°22	11°33	0♌ 5	16° 5	W22
T 23	4 35 21	8° 8'08	6♍16	23°27	11° 7	27°24	18°20	0°42	16°56	23°38	28°R21	10°R22	11°29	0°11	16°12	T 23
F 24	4 39 18	9° 9'12	18°24	24°57	11°D 4	27° 4	18°13	0°49	16°59	23°36	28°21	10°22	11°26	0°18	16°20	F 24
S 25	4 43 14	10°10'17	0♎51	26°28	11° 5	26°44	18° 6	0°55	17° 1	23°35	28°21	10°19	11°23	0°25	16°27	S 25
S 26	4 47 11	11°11'23	13°41	27°58	11° 7	26°25	17°59	1° 1	17° 4	23°34	28°21	10°15	11°20	0°31	16°35	S 26
M27	4 51 7	12°12'29	26°57	29°29	11°13	26° 6	17°52	1° 7	17° 6	23°33	28°21	10° 8	11°17	0°38	16°42	M27
T 28	4 55 4	13°13'37	10♏40	1♐ 1	11°20	25°48	17°46	1°13	17° 9	23°32	28°21	9°59	11°13	0°44	16°50	T 28
W29	4 59 0	14°14'45	24°49	2°32	11°30	25°30	17°39	1°19	17°11	23°31	28°21	9°49	11°10	0°51	16°57	W29
T 30	5 2 57	15♐15'54	9♐21	4♐ 4	11♏42	25♉13	17♉33	1♏25	17♎14	23♈31	28♌21	9♌40	11♌ 7	0♌58	17♏ 5	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s39	12s 6	5n 0	8s41	2n18	21s45	3s57	22n 8	0n50	17n 3	1s 8	8s47	2n16	5s41	0n37	7n39	1s53	23n56	12n37	17n 7	17n 5	19n24	14s15	1n45
T 2	16 56	15 47	4 45	8 44	2 23	21 22	3 44	22 7	0 53	17 1	1 8	8 50	2 16	5 42	0 37	7 38	1 53	23 56	12 38	17 10	17 6	19 23	14 17	1 45
F 3	17 13	18 33	4 12	8 52	2 25	20 59	3 30	22 6	0 56	16 59	1 7	8 52	2 16	5 44	0 37	7 38	1 53	23 56	12 38	17 13	17 7	19 23	14 19	1 45
S 4	17 30	20 9	3 23	9 3	2 27	20 35	3 15	22 5	0 59	16 57	1 7	8 55	2 16	5 45	0 37	7 37	1 53	23 56	12 39	17 15	17 8	19 22	14 21	1 46
S 5	17 47	20 27	2 21	9 19	2 27	20 11	3 1	22 4	1 2	16 55	1 7	8 57	2 16	5 46	0 37	7 36	1 53	23 56	12 39	17 17	17 8	19 22	14 23	1 46
M 6	18 3	19 24	1 10	9 37	2 26	19 46	2 46	22 3	1 5	16 53	1 7	8 59	2 16	5 47	0 37	7 36	1 53	23 57	12 40	17 17	17 9	19 21	14 25	1 46
T 7	18 19	17 8	0s 4	9 59	2 24	19 22	2 31	22 2	1 7	16 51	1 7	9 2	2 16	5 49	0 37	7 35	1 53	23 57	12 40	17 17	17 10	19 21	14 27	1 46
W 8	18 35	13 53	1 18	10 22	2 21	18 57	2 15	22 0	1 10	16 49	1 7	9 4	2 16	5 50	0 37	7 35	1 53	23 57	12 40	17 17	17 11	19 20	14 29	1 47
T 9	18 50	9 53	2 26	10 48	2 18	18 32	2 0	21 58	1 13	16 47	1 7	9 6	2 16	5 51	0 37	7 34	1 53	23 57	12 41	17 18	17 12	19 20	14 31	1 47
F 10	19 5	5 25	3 24	11 15	2 14	18 7	1 44	21 57	1 16	16 45	1 7	9 9	2 16	5 52	0 37	7 34	1 53	23 57	12 41	17 19	17 13	19 19	14 34	1 47
S 11	19 19	0 45	4 11	11 44	2 9	17 43	1 29	21 55	1 19	16 43	1 6	9 11	2 17	5 53	0 37	7 34	1 53	23 58	12 42	17 20	17 14	19 19	14 36	1 47
S 12	19 34	3n54	4 43	12 14	2 4	17 20	1 13	21 53	1 21	16 41	1 6	9 13	2 17	5 55	0 37	7 33	1 52	23 58	12 42	17 23	17 15	19 18	14 38	1 48
M13	19 47	8 19	4 59	12 44	1 58	16 56	0 58	21 50	1 24	16 39	1 6	9 15	2 17	5 56	0 37	7 33	1 52	23 58	12 43	17 26	17 16	19 18	14 40	1 48
T 14	20 1	12 16	5 0	13 15	1 52	16 34	0 42	21 48	1 27	16 37	1 6	9 18	2 17	5 57	0 37	7 32	1 52	23 59	12 43	17 29	17 16	19 17	14 42	1 48
W15	20 14	15 36	4 45	13 46	1 46	16 12	0 27	21 46	1 29	16 35	1 6	9 20	2 17	5 58	0 37	7 32	1 52	23 59	12 44	17 33	17 17	19 17	14 44	1 48
T 16	20 27	18 9	4 17	14 18	1 39	15 52	0 13	21 43	1 32	16 33	1 6	9 22	2 17	5 59	0 37	7 31	1 52	23 59	12 44	17 36	17 18	19 16	14 46	1 49
F 17	20 39	19 49	3 37	14 50	1 33	15 32	0n 2	21 41	1 34	16 31	1 6	9 24	2 17	6 0	0 37	7 31	1 52	24 0	12 45	17 39	17 19	19 16	14 48	1 49
S 18	20 51	20 34	2 48	15 21	1 26	15 13	0 16	21 38	1 37	16 29	1 5	9 26	2 17	6 1	0 37	7 30	1 52	24 0	12 45	17 41	17 20	19 15	14 50	1 49
S 19	21 3	20 21	1 52	15 53	1 19	14 56	0 30	21 36	1 39	16 27	1 5	9 29	2 17	6 3	0 37	7 30	1 52	24 0	12 46	17 42	17 21	19 15	14 51	1 50
M20	21 14	19 15	0 51	16 24	1 12	14 39	0 43	21 33	1 41	16 25	1 5	9 31	2 17	6 4	0 37	7 30	1 52	24 1	12 46	17 43	17 22	19 14	14 53	1 50
T 21	21 25	17 18	0n12	16 54	1 4	14 24	0 56	21 30	1 43	16 23	1 5	9 33	2 18	6 5	0 37	7 29	1 52	24 1	12 46	17 43	17 23	19 14	14 55	1 50
W22	21 35	14 38	1 14	17 25	0 57	14 10	1 8	21 27	1 46	16 22	1 5	9 35	2 18	6 6	0 37	7 29	1 52	24 2	12 47	17 43	17 24	19 13	14 57	1 51
T 23	21 45	11 20	2 14	17 54	0 50	13 57	1 20	21 25	1 48	16 20	1 4	9 37	2 18	6 7	0 37	7 28	1 52	24 2	12 47	17 43	17 24	19 12	14 59	1 51
F 24	21 55	7 30	3 9	18 24	0 43	13 45	1 32	21 22	1 50	16 18	1 4	9 39	2 18	6 8	0 37	7 28	1 52	24 2	12 48	17 43	17 25	19 12	15 1	1 51
S 25	22 4	3 16	3 57	18 52	0 35	13 35	1 43	21 19	1 52	16 16	1 4	9 41	2 18	6 9	0 37	7 28	1 52	24 3	12 48	17 44	17 26	19 11	15 3	1 51
S 26	22 13	1s13	4 34	19 20	0 28	13 26	1 54	21 16	1 54	16 14	1 4	9 43	2 18	6 10	0 37	7 27	1 52	24 3	12 49	17 45	17 27	19 11	15 5	1 52
M27	22 21	5 48	4 58	19 47	0 21	13 18	2 4	21 14	1 55	16 13	1 4	9 45	2 18	6 11	0 37	7 27	1 52	24 4	12 49	17 47	17 28	19 10	15 6	1 52
T 28	22 29	10 15	5 6	20 13	0 14	13 11	2 13	21 11	1 57	16 11	1 3	9 47	2 18	6 12	0 37	7 27	1 52	24 4	12 50	17 49	17 29	19 10	15 8	1 52
W29	22 36	14 16	4 55	20 39	0 7	13 5	2 23	21 8	1 59	16 9	1 3	9 49	2 19	6 13	0 37	7 27	1 52	24 5	12 50	17 52	17 30	19 9	15 10	1 53
T 30	22s43	17s34	4n26	21s 3	0s 0	13s 0	2n31	21n 6	2n 0	16n 8	1s 3	9s51	2n19	6s13	0n37	7n26	1s52	24n 5	12n50	17n54	17n31	19n 8	15s12	1n53

Julian Day Number = 2165871.5, Delta T = 12m46s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'01, Lahiri = 12°57'01 Julian Calendar 1 Nov. 1217 == Greg. Calendar 8 Nov. 1217

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ASTRODIENST EPHEMERIS for the year 1217
geocentric

DECEMBER 1217 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 6 54	16♐17'04	24♐ 7	5♐36	11♏56	24°R57	17°R26	1♏30	17♎16	23°R30	28°R20	9°R32	11♌ 4	1♌ 4	17♏12	F 1
S 2	5 10 50	17°18'14	9♑ 0	7° 8	12°12	24♉41	17♉20	1°36	17°19	23♈29	28♌20	9♌26	11° 1	1°11	17°19	S 2
S 3	5 14 47	18°19'25	23°52	8°41	12°30	24°27	17°14	1°42	17°21	23°28	28°20	9°23	10°58	1°18	17°26	S 3
M 4	5 18 43	19°20'36	8♒35	10°13	12°50	24°13	17° 8	1°47	17°23	23°27	28°20	9°D22	10°54	1°24	17°34	M 4
T 5	5 22 40	20°21'47	23° 4	11°46	13°13	24° 0	17° 3	1°53	17°25	23°26	28°19	9°23	10°51	1°31	17°41	T 5
W 6	5 26 36	21°22'58	7♓15	13°19	13°37	23°47	16°57	1°58	17°28	23°26	28°19	9°24	10°48	1°38	17°48	W 6
T 7	5 30 33	22°24'09	21° 9	14°53	14° 2	23°36	16°52	2° 4	17°30	23°25	28°18	9°R24	10°45	1°44	17°55	T 7
F 8	5 34 29	23°25'19	4♈44	16°26	14°30	23°25	16°47	2° 9	17°32	23°24	28°18	9°24	10°42	1°51	18° 2	F 8
S 9	5 38 26	24°26'30	18° 3	18° 0	14°59	23°15	16°42	2°15	17°34	23°24	28°18	9°21	10°38	1°58	18° 9	S 9
S 10	5 42 23	25°27'41	1♉ 7	19°34	15°30	23° 6	16°37	2°20	17°36	23°23	28°17	9°16	10°35	2° 4	18°16	S 10
M11	5 46 19	26°28'51	13°58	21° 9	16° 2	22°58	16°32	2°25	17°38	23°22	28°16	9°10	10°32	2°11	18°23	M11
T 12	5 50 16	27°30'02	26°36	22°43	16°36	22°50	16°28	2°30	17°40	23°22	28°16	9° 2	10°29	2°18	18°29	T 12
W13	5 54 12	28°31'12	9♊ 2	24°18	17°11	22°44	16°23	2°35	17°41	23°21	28°15	8°54	10°26	2°24	18°36	W13
T 14	5 58 9	29°32'23	21°19	25°54	17°47	22°38	16°19	2°40	17°43	23°21	28°15	8°47	10°23	2°31	18°43	T 14
F 15	6 2 5	0♑33'33	3♋25	27°29	18°25	22°33	16°15	2°45	17°45	23°21	28°14	8°41	10°19	2°37	18°49	F 15
S 16	6 6 2	1°34'44	15°23	29° 5	19° 4	22°29	16°12	2°50	17°47	23°20	28°13	8°36	10°16	2°44	18°56	S 16
S 17	6 9 58	2°35'54	27°15	0♑41	19°45	22°25	16° 8	2°55	17°48	23°20	28°13	8°34	10°13	2°51	19° 3	S 17
M18	6 13 55	3°37'05	9♌ 3	2°18	20°26	22°23	16° 5	2°59	17°50	23°19	28°12	8°D33	10°10	2°57	19° 9	M18
T 19	6 17 52	4°38'15	20°49	3°55	21° 9	22°21	16° 1	3° 4	17°51	23°19	28°11	8°34	10° 7	3° 4	19°15	T 19
W20	6 21 48	5°39'25	2♍38	5°33	21°53	22°20	15°59	3° 8	17°53	23°19	28°10	8°35	10° 4	3°11	19°22	W20
T 21	6 25 45	6°40'36	14°34	7°11	22°38	22°D20	15°56	3°13	17°54	23°19	28°10	8°37	10° 0	3°17	19°28	T 21
F 22	6 29 41	7°41'46	26°41	8°49	23°23	22°20	15°53	3°17	17°56	23°18	28° 9	8°39	9°57	3°24	19°34	F 22
S 23	6 33 38	8°42'56	9♎ 4	10°28	24°10	22°21	15°51	3°21	17°57	23°18	28° 8	8°R39	9°54	3°31	19°40	S 23
S 24	6 37 34	9°44'06	21°48	12° 7	24°58	22°24	15°49	3°26	17°58	23°18	28° 7	8°38	9°51	3°37	19°47	S 24
M25	6 41 31	10°45'16	4♏58	13°47	25°47	22°26	15°47	3°30	17°59	23°18	28° 6	8°36	9°48	3°44	19°53	M25
T 26	6 45 27	11°46'26	18°35	15°27	26°36	22°30	15°45	3°34	18° 0	23°18	28° 5	8°33	9°44	3°51	19°59	T 26
W27	6 49 24	12°47'36	2♐41	17° 7	27°26	22°34	15°43	3°38	18° 2	23°D18	28° 4	8°30	9°41	3°57	20° 4	W27
T 28	6 53 21	13°48'46	17°13	18°48	28°17	22°39	15°42	3°42	18° 3	23°18	28° 3	8°26	9°38	4° 4	20°10	T 28
F 29	6 57 17	14°49'55	2♑ 6	20°30	29° 9	22°45	15°41	3°45	18° 4	23°18	28° 2	8°23	9°35	4°11	20°16	F 29
S 30	7 1 14	15°51'03	17°13	22°12	0♐ 2	22°51	15°40	3°49	18° 5	23°18	28° 1	8°20	9°32	4°17	20°22	S 30
S 31	7 5 10	16♑52'11	2♒24	23♑54	0♐55	22♉58	15♉39	3♏53	18♎ 5	23♈18	28♌ 0	8°D19	9♌29	4♌24	20♏27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s50	19s46	3n39	21s27	0s 7	12s57	2n40	21n 3	2n 2	16n 6	1s 3	9s53	2n19	6s14	0n37	7n26	1s52	24n 6	12n51	17n56	17n31	19n 8	15s14	1n53	F 1
S 2	22 56	20 38	2 36	21 50	0 14	12 54	2 47	21 1	2 3	16 5	1 2	9 54	2 19	6 15	0 37	7 26	1 52	24 6	12 51	17 58	17 32	19 7	15 15	1 54	S 2
S 3	23 1	20 4	1 23	22 11	0 21	12 53	2 55	20 58	2 5	16 3	1 2	9 56	2 19	6 16	0 37	7 25	1 52	24 7	12 52	17 59	17 33	19 7	15 17	1 54	S 3
M 4	23 7	18 7	0 4	22 32	0 28	12 52	3 2	20 56	2 6	16 2	1 2	9 58	2 19	6 17	0 37	7 25	1 51	24 7	12 52	17 59	17 34	19 6	15 19	1 54	M 4
T 5	23 11	15 2	1s13	22 51	0 34	12 52	3 8	20 54	2 7	16 1	1 2	10 0	2 19	6 18	0 37	7 25	1 51	24 8	12 53	17 59	17 35	19 5	15 20	1 55	T 5
W 6	23 15	11 7	2 25	23 10	0 40	12 54	3 15	20 52	2 8	15 59	1 1	10 2	2 20	6 19	0 37	7 25	1 51	24 8	12 53	17 59	17 36	19 5	15 22	1 55	W 6
T 7	23 19	6 41	3 26	23 27	0 47	12 56	3 20	20 50	2 10	15 58	1 1	10 3	2 20	6 19	0 37	7 25	1 51	24 9	12 54	17 58	17 37	19 4	15 24	1 55	T 7
F 8	23 22	2 0	4 15	23 43	0 53	12 59	3 26	20 49	2 11	15 57	1 1	10 5	2 20	6 20	0 37	7 24	1 51	24 9	12 54	17 59	17 38	19 3	15 25	1 56	F 8
S 9	23 25	2n40	4 48	23 58	0 59	13 2	3 31	20 47	2 12	15 56	1 1	10 7	2 20	6 21	0 37	7 24	1 51	24 10	12 54	17 59	17 38	19 3	15 27	1 56	S 9
S 10	23 28	7 8	5 6	24 12	1 4	13 7	3 35	20 46	2 13	15 54	1 0	10 8	2 20	6 22	0 37	7 24	1 51	24 11	12 55	18 1	17 39	19 2	15 28	1 57	S 10
M11	23 30	11 11	5 8	24 24	1 10	13 12	3 40	20 44	2 13	15 53	1 0	10 10	2 20	6 22	0 37	7 24	1 51	24 11	12 55	18 2	17 40	19 2	15 30	1 57	M11
T 12	23 31	14 41	4 55	24 35	1 15	13 18	3 43	20 43	2 14	15 52	1 0	10 11	2 21	6 23	0 37	7 24	1 51	24 12	12 56	18 4	17 41	19 1	15 31	1 57	T 12
W13	23 32	17 29	4 28	24 45	1 20	13 24	3 47	20 42	2 15	15 51	1 0	10 13	2 21	6 24	0 37	7 24	1 51	24 12	12 56	18 6	17 42	19 0	15 33	1 58	W13
T 14	23 32	19 27	3 49	24 54	1 25	13 31	3 50	20 42	2 16	15 50	0 59	10 15	2 21	6 24	0 37	7 23	1 51	24 13	12 57	18 8	17 43	19 0	15 34	1 58	T 14
F 15	23 32	20 30	3 0	25 1	1 30	13 39	3 53	20 41	2 16	15 50	0 59	10 16	2 21	6 25	0 37	7 23	1 51	24 14	12 57	18 10	17 44	18 59	15 36	1 58	F 15
S 16	23 32	20 37	2 3	25 7	1 34	13 47	3 56	20 40	2 17	15 49	0 59	10 18	2 21	6 26	0 37	7 23	1 51	24 14	12 57	18 11	17 44	18 58	15 37	1 59	S 16
S 17	23 31	19 48	1 1	25 11	1 39	13 55	3 58	20 40	2 18	15 48	0 59	10 19	2 21	6 26	0 38	7 23	1 51	24 15	12 58	18 12	17 45	18 58	15 39	1 59	S 17
M18	23 29	18 7	0n 3	25 14	1 43	14 4	4 0	20 40	2 18	15 47	0 58	10 20	2 22	6 27	0 38	7 23	1 51	24 15	12 58	18 12	17 46	18 57	15 40	1 59	M18
T 19	23 27	15 40	1 7	25 15	1 46	14 13	4 2	20 40	2 19	15 47	0 58	10 22	2 22	6 27	0 38	7 23	1 51	24 16	12 59	18 12	17 47	18 56	15 41	2 0	T 19
W20	23 25	12 34	2 8	25 15	1 50	14 23	4 4	20 40	2 19	15 46	0 58	10 23	2 22	6 28	0 38	7 23	1 51	24 17	12 59	18 11	17 48	18 56	15 43	2 0	W20
T 21	23 22	8 57	3 5	25 13	1 53	14 33	4 5	20 40	2 20	15 46	0 57	10 24	2 22	6 28	0 38	7 23	1 51	24 17	12 59	18 11	17 49	18 55	15 44	2 1	T 21
F 22	23 19	4 54	3 54	25 10	1 56	14 44	4 6	20 41	2 20	15 45	0 57	10 26	2 22	6 29	0 38	7 23	1 50	24 18	13 0	18 11	17 50	18 54	15 45	2 1	F 22
S 23	23 15	0 35	4 34	25 5	1 58	14 54	4 7	20 42	2 20	15 45	0 57	10 27	2 23	6 29	0 38	7 23	1 50	24 19	13 0	18 10	17 50	18 54	15 47	2 1	S 23
S 24	23 11	3s53	5 1	24 59	2 0	15 5	4 7	20 42	2 21	15 44	0 57	10 28	2 23	6 30	0 38	7 23	1 50	24 19	13 0	18 11	17 51	18 53	15 48	2 2	S 24
M25	23 6	8 18	5 14	24 51	2 2	15 16	4 8	20 43	2 21	15 44	0 56	10 29	2 23	6 30	0 38	7 23	1 50	24 20	13 1	18 11	17 52	18 52	15 49	2 2	M25
T 26	23 1	12 28	5 10	24 41	2 3	15 27	4 8	20 44	2 21	15 44	0 56	10 31	2 23	6 31	0 38	7 23	1 50	24 21	13 1	18 12	17 53	18 51	15 50	2 3	T 26
W27	22 55	16 5	4 47	24 30	2 5	15 39	4 8	20 46	2 21	15 44	0 56	10 32	2 23	6 31	0 38	7 23	1 50	24 21	13 2	18 13	17 54	18 51	15 52	2 3	W27
T 28	22 49	18 51	4 6	24 17	2 5	15 50	4 7	20 47	2 21	15 43	0 55	10 33	2 24	6 31	0 38	7 23	1 50	24 22	13 2	18 14	17 55	18 50	15 53	2 3	T 28
F 29	22 43	20 25	3 7	24 2	2 5	16 2	4 7	20 49	2 21	15 43	0 55	10 34	2 24	6 32	0 38	7 23	1 50	24 23	13 2	18 15	17 56	18 49	15 54	2 4	F 29
S 30	22 36	20 32	1 54	23 46	2 5	16 14	4 6	20 51	2 21	15 43	0 55	10 35	2 24	6 32	0 38	7 23	1 50	24 24	13 3	18 15	17 56	18 49	15 55	2 4	S 30
S 31	22s28	19s11	0n33	23s27	2s 4	16s25	4n 5	20n52	2n22	15n43	0s55	10s36	2n24	6s32	0n38	7n23	1s50	24n24	13n 3	18n16	17n57	18n48	15s56	2n 5	S 31

Julian Day Number = 2165901.5, Delta T = 12m45s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'05, Lahiri = 12°57'05 Julian Calendar 1 Dec. 1217 == Greg. Calendar 8 Dec. 1217

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

JANUARY 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 9 7	17♑53'19	17♒29	25♑36	1♐49	23♉ 6	15°R39	3♏56	18♎ 6	23♈18	27°R59	8♌19	9♌25	4♌30	20♏33	M 1
T 2	7 13 3	18°54'25	2♓20	27°19	2°43	23°14	15♉39	4° 0	18° 7	23°18	27♌58	8°20	9°22	4°37	20°38	T 2
W 3	7 17 0	19°55'30	16°51	29° 2	3°38	23°23	15°D38	4° 3	18° 8	23°19	27°57	8°22	9°19	4°44	20°44	W 3
T 4	7 20 56	20°56'35	0♈58	0♒45	4°34	23°33	15°39	4° 6	18° 8	23°19	27°56	8°23	9°16	4°50	20°49	T 4
F 5	7 24 53	21°57'38	14°41	2°28	5°30	23°43	15°39	4°10	18° 9	23°19	27°54	8°24	9°13	4°57	20°54	F 5
S 6	7 28 50	22°58'40	28° 1	4°11	6°27	23°54	15°39	4°13	18°10	23°20	27°53	8°R24	9°10	5° 4	20°59	S 6
S 7	7 32 46	23°59'41	10♉59	5°54	7°24	24° 5	15°40	4°16	18°10	23°20	27°52	8°23	9° 6	5°10	21° 4	S 7
M 8	7 36 43	25° 0'41	23°39	7°36	8°22	24°17	15°41	4°19	18°10	23°20	27°51	8°22	9° 3	5°17	21° 9	M 8
T 9	7 40 39	26° 1'39	6♊ 4	9°18	9°20	24°30	15°42	4°21	18°11	23°21	27°50	8°20	9° 0	5°24	21°14	T 9
W10	7 44 36	27° 2'37	18°17	10°59	10°19	24°43	15°44	4°24	18°11	23°21	27°48	8°18	8°57	5°30	21°19	W10
T 11	7 48 32	28° 3'33	0♋19	12°38	11°18	24°57	15°45	4°27	18°11	23°22	27°47	8°17	8°54	5°37	21°24	T 11
F 12	7 52 29	29° 4'28	12°15	14°16	12°18	25°11	15°47	4°29	18°12	23°22	27°46	8°15	8°50	5°44	21°28	F 12
S 13	7 56 25	0♒ 5'22	24° 6	15°52	13°18	25°26	15°49	4°32	18°12	23°23	27°44	8°15	8°47	5°50	21°33	S 13
S 14	8 0 22	1° 6'15	5♌54	17°25	14°18	25°41	15°51	4°34	18°12	23°23	27°43	8°D14	8°44	5°57	21°37	S 14
M15	8 4 19	2° 7'07	17°42	18°56	15°19	25°56	15°53	4°36	18°R12	23°24	27°42	8°14	8°41	6° 4	21°42	M15
T 16	8 8 15	3° 7'57	29°31	20°23	16°21	26°12	15°56	4°38	18°12	23°25	27°40	8°15	8°38	6°10	21°46	T 16
W17	8 12 12	4° 8'47	11♍25	21°46	17°22	26°29	15°59	4°40	18°12	23°25	27°39	8°15	8°35	6°17	21°50	W17
T 18	8 16 8	5° 9'35	23°25	23° 4	18°24	26°46	16° 2	4°42	18°12	23°26	27°38	8°16	8°31	6°23	21°54	T 18
F 19	8 20 5	6°10'22	5♎36	24°17	19°26	27° 3	16° 5	4°44	18°11	23°27	27°36	8°16	8°28	6°30	21°58	F 19
S 20	8 24 1	7°11'09	18° 0	25°23	20°29	27°21	16° 8	4°46	18°11	23°28	27°35	8°16	8°25	6°37	22° 2	S 20
S 21	8 27 58	8°11'54	0♏42	26°23	21°32	27°40	16°12	4°47	18°11	23°28	27°33	8°16	8°22	6°43	22° 6	S 21
M22	8 31 54	9°12'38	13°45	27°14	22°35	27°58	16°15	4°49	18°11	23°29	27°32	8°16	8°19	6°50	22°10	M22
T 23	8 35 51	10°13'21	27°12	27°58	23°39	28°17	16°19	4°50	18°10	23°30	27°30	8°16	8°16	6°57	22°13	T 23
W24	8 39 48	11°14'03	11♐ 5	28°32	24°43	28°37	16°23	4°52	18°10	23°31	27°29	8°16	8°12	7° 3	22°17	W24
T 25	8 43 44	12°14'44	25°24	28°56	25°47	28°57	16°27	4°53	18° 9	23°32	27°27	8°17	8° 9	7°10	22°20	T 25
F 26	8 47 41	13°15'24	10♑ 6	29°10	26°51	29°17	16°32	4°54	18° 9	23°33	27°26	8°17	8° 6	7°17	22°24	F 26
S 27	8 51 37	14°16'02	25° 7	29°R14	27°56	29°38	16°36	4°55	18° 8	23°34	27°24	8°18	8° 3	7°23	22°27	S 27
S 28	8 55 34	15°16'39	10♒18	29° 7	29° 1	29°58	16°41	4°56	18° 7	23°35	27°23	8°R18	8° 0	7°30	22°30	S 28
M29	8 59 30	16°17'15	25°31	28°50	0♑ 6	0♊20	16°46	4°57	18° 7	23°36	27°21	8°17	7°56	7°37	22°33	M29
T 30	9 3 27	17°17'48	10♓35	28°23	1°11	0°41	16°51	4°57	18° 6	23°37	27°20	8°17	7°53	7°43	22°36	T 30
W31	9 7 23	18♒18'20	25♓22	27♒47	2♑17	1♊ 3	16♉57	4♏58	18♎ 5	23♈38	27♌18	8♌16	7♌50	7♌50	22♏39	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	22s20	16s28	0s50	23s 7	2s 3	16s37	4n 4	20n54	2n22	15n44	0s54	10s37	2n25	6s33	0n38	7n23	1s50	24n25	13n 3	18n16	17n58	18n47	15s57	2n 5	M 1
T 2	22 12	12 42	2 9	22 46	2 1	16 49	4 3	20 57	2 22	15 44	0 54	10 38	2 25	6 33	0 38	7 24	1 50	24 26	13 4	18 15	17 59	18 46	15 58	2 6	T 2
W 3	22 3	8 15	3 17	22 23	1 59	17 1	4 2	20 59	2 22	15 44	0 54	10 39	2 25	6 33	0 38	7 24	1 50	24 26	13 4	18 15	18 0	18 46	15 59	2 6	W 3
T 4	21 54	3 28	4 12	21 58	1 56	17 12	4 0	21 1	2 22	15 44	0 54	10 40	2 25	6 33	0 38	7 24	1 50	24 27	13 4	18 15	18 1	18 45	16 0	2 6	T 4
F 5	21 44	1n21	4 50	21 31	1 53	17 24	3 59	21 4	2 21	15 45	0 53	10 41	2 25	6 34	0 38	7 24	1 50	24 28	13 5	18 14	18 2	18 44	16 1	2 7	F 5
S 6	21 34	5 58	5 12	21 3	1 49	17 35	3 57	21 6	2 21	15 45	0 53	10 42	2 26	6 34	0 38	7 24	1 50	24 29	13 5	18 14	18 2	18 43	16 2	2 7	S 6
S 7	21 24	10 10	5 17	20 33	1 44	17 47	3 55	21 9	2 21	15 46	0 53	10 42	2 26	6 34	0 38	7 24	1 49	24 29	13 5	18 15	18 3	18 43	16 3	2 8	S 7
M 8	21 13	13 50	5 6	20 2	1 38	17 58	3 53	21 12	2 21	15 46	0 52	10 43	2 26	6 34	0 38	7 25	1 49	24 30	13 6	18 15	18 4	18 42	16 4	2 8	M 8
T 9	21 2	16 48	4 41	19 29	1 32	18 9	3 50	21 15	2 21	15 47	0 52	10 44	2 26	6 34	0 38	7 25	1 49	24 31	13 6	18 15	18 5	18 41	16 5	2 9	T 9
W10	20 50	18 59	4 3	18 55	1 25	18 20	3 48	21 18	2 21	15 47	0 52	10 44	2 27	6 34	0 38	7 25	1 49	24 31	13 6	18 16	18 6	18 40	16 5	2 9	W10
T 11	20 38	20 17	3 15	18 20	1 18	18 30	3 45	21 21	2 21	15 48	0 52	10 45	2 27	6 34	0 38	7 25	1 49	24 32	13 6	18 16	18 7	18 40	16 6	2 9	T 11
F 12	20 26	20 39	2 19	17 43	1 9	18 41	3 43	21 25	2 21	15 49	0 51	10 46	2 27	6 34	0 38	7 25	1 49	24 33	13 7	18 17	18 7	18 39	16 7	2 10	F 12
S 13	20 13	20 6	1 18	17 6	1 0	18 51	3 40	21 28	2 20	15 50	0 51	10 46	2 27	6 34	0 38	7 26	1 49	24 34	13 7	18 17	18 8	18 38	16 8	2 10	S 13
S 14	20 0	18 40	0 13	16 28	0 50	19 1	3 37	21 32	2 20	15 51	0 51	10 47	2 27	6 34	0 38	7 26	1 49	24 34	13 7	18 17	18 9	18 37	16 8	2 11	S 14
M15	19 46	16 25	0n52	15 50	0 39	19 11	3 34	21 35	2 20	15 52	0 50	10 47	2 28	6 34	0 38	7 26	1 49	24 35	13 7	18 17	18 10	18 36	16 9	2 11	M15
T 16	19 32	13 29	1 56	15 11	0 27	19 20	3 31	21 39	2 20	15 52	0 50	10 48	2 28	6 34	0 38	7 27	1 49	24 36	13 8	18 17	18 11	18 36	16 10	2 12	T 16
W17	19 18	10 0	2 54	14 32	0 15	19 29	3 28	21 42	2 19	15 54	0 50	10 48	2 28	6 34	0 38	7 27	1 49	24 36	13 8	18 17	18 12	18 35	16 10	2 12	W17
T 18	19 3	6 5	3 46	13 54	0 1	19 38	3 25	21 46	2 19	15 55	0 50	10 49	2 28	6 34	0 38	7 27	1 49	24 37	13 8	18 17	18 12	18 34	16 11	2 13	T 18
F 19	18 48	1 52	4 28	13 17	0n13	19 46	3 21	21 50	2 19	15 56	0 49	10 49	2 29	6 34	0 38	7 28	1 49	24 38	13 8	18 16	18 13	18 33	16 11	2 13	F 19
S 20	18 33	2s29	4 59	12 41	0 28	19 54	3 18	21 54	2 19	15 57	0 49	10 50	2 29	6 34	0 39	7 28	1 49	24 39	13 9	18 16	18 14	18 32	16 12	2 14	S 20
S 21	18 18	6 50	5 15	12 6	0 43	20 2	3 14	21 58	2 18	15 58	0 49	10 50	2 29	6 34	0 39	7 28	1 49	24 39	13 9	18 16	18 15	18 32	16 13	2 14	S 21
M22	18 2	10 59	5 17	11 33	0 59	20 9	3 11	22 2	2 18	16 0	0 49	10 50	2 29	6 34	0 39	7 29	1 49	24 40	13 9	18 16	18 16	18 31	16 13	2 15	M22
T 23	17 45	14 44	5 1	11 3	1 15	20 16	3 7	22 6	2 18	16 1	0 48	10 50	2 30	6 34	0 39	7 29	1 48	24 41	13 9	18 16	18 17	18 30	16 13	2 15	T 23
W24	17 29	17 47	4 28	10 36	1 32	20 23	3 3	22 10	2 17	16 2	0 48	10 51	2 30	6 33	0 39	7 29	1 48	24 42	13 9	18 16	18 17	18 29	16 14	2 16	W24
T 25	17 12	19 51	3 37	10 12	1 48	20 29	2 59	22 14	2 17	16 4	0 48	10 51	2 30	6 33	0 39	7 30	1 48	24 42	13 10	18 16	18 18	18 28	16 14	2 16	T 25
F 26	16 55	20 39	2 31	9 52	2 5	20 35	2 56	22 18	2 17	16 5	0 48	10 51	2 30	6 33	0 39	7 30	1 48	24 43	13 10	18 16	18 19	18 27	16 15	2 17	F 26
S 27	16 37	20 0	1 13	9 36	2 21	20 40	2 52	22 22	2 16	16 7	0 47	10 51	2 31	6 33	0 39	7 31	1 48	24 44	13 10	18 16	18 20	18 27	16 15	2 17	S 27
S 28	16 19	17 55	0s11	9 23	2 36	20 44	2 48	22 27	2 16	16 9	0 47	10 51	2 31	6 32	0 39	7 31	1 48	24 44	13 10	18 16	18 21	18 26	16 15	2 18	S 28
M29	16 1	14 33	1 34	9 16	2 51	20 49	2 44	22 31	2 16	16 10	0 47	10 51	2 31	6 32	0 39	7 32	1 48	24 45	13 10	18 16	18 22	18 25	16 16	2 18	M29
T 30	15 43	10 15	2 50	9 13	3 4	20 53	2 40	22 35	2 15	16 12	0 47	10 51	2 31	6 32	0 39	7 32	1 48	24 46	13 10	18 16	18 22	18 24	16 16	2 18	T 30
W31	15s24	5s25	3s53	9s14	3n16	20s56	2n35	22n39	2n15	16n14	0s46	10s51	2n32	6s31	0n39	7n33	1s48	24n46	13n11	18n17	18n23	18n23	16s16	2n19	W31

Julian Day Number = 2165932.5, Delta T = 12m45s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'09, Lahiri = 12°57'10 Julian Calendar 1 Jan. 1218 == Greg. Calendar 8 Jan. 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

FEBRUARY 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 20	19♒18'50	9♈45	27°R 2	3♉23	1♊26	17♉ 2	4♏58	18°R 4	23♈40	27°R17	8°R14	7♌47	7♌56	22♏42	T 1
F 2	9 15 17	20°19'19	23°42	26♒10	4°29	1°48	17° 8	4°59	18♎ 3	23°41	27♌15	8♌13	7°44	8° 3	22°44	F 2
S 3	9 19 13	21°19'45	7♉10	25°12	5°35	2°11	17°14	4°59	18° 2	23°42	27°14	8°12	7°41	8°10	22°47	S 3
S 4	9 23 10	22°20'09	20°13	24°10	6°41	2°35	17°20	4°59	18° 1	23°43	27°12	8°D12	7°37	8°16	22°49	S 4
M 5	9 27 6	23°20'32	2♊53	23° 5	7°48	2°58	17°26	4°R59	18° 0	23°45	27°11	8°12	7°34	8°23	22°51	M 5
T 6	9 31 3	24°20'52	15°13	22° 0	8°54	3°22	17°32	4°59	17°59	23°46	27° 9	8°13	7°31	8°30	22°54	T 6
W 7	9 34 59	25°21'11	27°19	20°55	10° 1	3°46	17°39	4°59	17°58	23°47	27° 8	8°14	7°28	8°36	22°56	W 7
T 8	9 38 56	26°21'27	9♋15	19°52	11° 8	4°10	17°45	4°59	17°57	23°49	27° 6	8°16	7°25	8°43	22°58	T 8
F 9	9 42 52	27°21'42	21° 4	18°53	12°15	4°35	17°52	4°59	17°55	23°50	27° 5	8°17	7°22	8°50	23° 0	F 9
S 10	9 46 49	28°21'54	2♌51	17°58	13°23	5° 0	17°59	4°58	17°54	23°52	27° 3	8°R18	7°18	8°56	23° 2	S 10
S 11	9 50 46	29°22'05	14°39	17° 9	14°30	5°25	18° 6	4°58	17°53	23°53	27° 1	8°18	7°15	9° 3	23° 3	S 11
M12	9 54 42	0♓22'13	26°29	16°26	15°38	5°51	18°14	4°57	17°51	23°54	27° 0	8°17	7°12	9°10	23° 5	M12
T 13	9 58 39	1°22'20	8♍25	15°49	16°46	6°16	18°21	4°56	17°50	23°56	26°58	8°14	7° 9	9°16	23° 6	T 13
W14	10 2 35	2°22'25	20°27	15°20	17°54	6°42	18°29	4°55	17°48	23°58	26°57	8°11	7° 6	9°23	23° 8	W14
T 15	10 6 32	3°22'28	2♎39	14°57	19° 2	7° 8	18°36	4°55	17°47	23°59	26°55	8° 7	7° 2	9°29	23° 9	T 15
F 16	10 10 28	4°22'29	15° 0	14°41	20°10	7°34	18°44	4°53	17°45	24° 1	26°54	8° 2	6°59	9°36	23°10	F 16
S 17	10 14 25	5°22'29	27°34	14°32	21°18	8° 1	18°52	4°52	17°43	24° 2	26°52	7°58	6°56	9°43	23°11	S 17
S 18	10 18 21	6°22'26	10♏22	14°D29	22°27	8°28	19° 0	4°51	17°42	24° 4	26°51	7°55	6°53	9°49	23°12	S 18
M19	10 22 18	7°22'22	23°26	14°32	23°36	8°54	19° 8	4°50	17°40	24° 6	26°49	7°52	6°50	9°56	23°13	M19
T 20	10 26 15	8°22'17	6♐48	14°42	24°44	9°22	19°17	4°48	17°38	24° 7	26°48	7°D52	6°47	10° 3	23°14	T 20
W21	10 30 11	9°22'10	20°31	14°57	25°53	9°49	19°25	4°47	17°37	24° 9	26°46	7°52	6°43	10° 9	23°14	W21
T 22	10 34 8	10°22'01	4♑34	15°18	27° 2	10°16	19°34	4°45	17°35	24°11	26°45	7°53	6°40	10°16	23°15	T 22
F 23	10 38 4	11°21'51	18°57	15°43	28°11	10°44	19°43	4°43	17°33	24°12	26°43	7°55	6°37	10°23	23°15	F 23
S 24	10 42 1	12°21'38	3♒38	16°14	29°20	11°12	19°52	4°42	17°31	24°14	26°42	7°R56	6°34	10°29	23°16	S 24
S 25	10 45 57	13°21'24	18°33	16°49	0♒30	11°40	20° 1	4°40	17°29	24°16	26°40	7°55	6°31	10°36	23°16	S 25
M26	10 49 54	14°21'08	3♓34	17°28	1°39	12° 8	20°10	4°38	17°27	24°18	26°39	7°53	6°27	10°43	23°R16	M26
T 27	10 53 50	15°20'50	18°33	18°10	2°48	12°37	20°19	4°36	17°25	24°20	26°37	7°49	6°24	10°49	23°16	T 27
W28	10 57 47	16♓20'30	3♈21	18♒57	3♒58	13♊ 5	20♉29	4♏33	17♎23	24♈22	26♌36	7♌44	6♌21	10♌56	23♏16	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s 5	0s24	4s39	9s20	3n26	20s59	2n31	22n44	2n15	16n15	0s46	10s51	2n32	6s31	0n39	7n33	1s48	24n47	13n11	18n17	18n24	18n22	16s16	2n19	T 1
F 2	14 46	4n28	5 7	9 29	3 34	21 1	2 27	22 48	2 14	16 17	0 46	10 51	2 32	6 31	0 39	7 34	1 48	24 48	13 11	18 17	18 25	18 21	16 17	2 20	F 2
S 3	14 27	8 58	5 17	9 43	3 40	21 3	2 23	22 52	2 14	16 19	0 46	10 51	2 32	6 30	0 39	7 34	1 48	24 48	13 11	18 18	18 26	18 21	16 17	2 20	S 3
S 4	14 7	12 53	5 10	9 59	3 44	21 4	2 18	22 57	2 13	16 21	0 45	10 51	2 32	6 30	0 39	7 35	1 48	24 49	13 11	18 18	18 26	18 20	16 17	2 21	S 4
M 5	13 48	16 6	4 49	10 19	3 46	21 5	2 14	23 1	2 13	16 23	0 45	10 50	2 33	6 29	0 39	7 35	1 48	24 50	13 11	18 18	18 27	18 19	16 17	2 21	M 5
T 6	13 28	18 31	4 14	10 40	3 46	21 5	2 10	23 5	2 13	16 25	0 45	10 50	2 33	6 29	0 39	7 36	1 48	24 50	13 11	18 17	18 28	18 18	16 17	2 22	T 6
W 7	13 7	20 3	3 28	11 4	3 43	21 4	2 5	23 9	2 12	16 27	0 45	10 50	2 33	6 29	0 39	7 36	1 48	24 51	13 11	18 17	18 29	18 17	16 17	2 23	W 7
T 8	12 47	20 39	2 34	11 28	3 38	21 4	2 1	23 14	2 12	16 29	0 44	10 50	2 33	6 28	0 39	7 37	1 48	24 52	13 11	18 17	18 30	18 16	16 17	2 23	T 8
F 9	12 26	20 20	1 34	11 52	3 32	21 2	1 57	23 18	2 11	16 31	0 44	10 49	2 34	6 28	0 39	7 37	1 48	24 52	13 12	18 16	18 31	18 15	16 17	2 24	F 9
S 10	12 5	19 7	0 30	12 17	3 23	21 0	1 52	23 22	2 11	16 34	0 44	10 49	2 34	6 27	0 39	7 38	1 48	24 53	13 12	18 16	18 31	18 14	16 17	2 24	S 10
S 11	11 44	17 4	0n35	12 41	3 13	20 57	1 48	23 26	2 11	16 36	0 44	10 49	2 34	6 26	0 39	7 38	1 47	24 53	13 12	18 16	18 32	18 13	16 17	2 25	S 11
M12	11 23	14 17	1 39	13 4	3 3	20 54	1 43	23 30	2 10	16 38	0 43	10 48	2 34	6 26	0 39	7 39	1 47	24 54	13 12	18 16	18 33	18 13	16 17	2 25	M12
T 13	11 2	10 54	2 39	13 27	2 51	20 51	1 39	23 35	2 10	16 40	0 43	10 48	2 35	6 25	0 39	7 40	1 47	24 55	13 12	18 17	18 34	18 12	16 17	2 26	T 13
W14	10 40	7 2	3 32	13 48	2 38	20 46	1 35	23 39	2 9	16 43	0 43	10 47	2 35	6 25	0 39	7 40	1 47	24 55	13 12	18 18	18 35	18 11	16 17	2 26	W14
T 15	10 19	2 51	4 16	14 7	2 25	20 42	1 30	23 43	2 9	16 45	0 43	10 47	2 35	6 24	0 39	7 41	1 47	24 56	13 12	18 19	18 35	18 10	16 16	2 27	T 15
F 16	9 57	1s30	4 49	14 24	2 11	20 36	1 26	23 47	2 9	16 47	0 42	10 46	2 35	6 23	0 39	7 42	1 47	24 56	13 12	18 20	18 36	18 9	16 16	2 27	F 16
S 17	9 35	5 51	5 9	14 40	1 57	20 30	1 21	23 51	2 8	16 50	0 42	10 45	2 35	6 23	0 39	7 42	1 47	24 57	13 12	18 21	18 37	18 8	16 16	2 28	S 17
S 18	9 13	10 2	5 13	14 54	1 43	20 24	1 17	23 55	2 8	16 52	0 42	10 45	2 36	6 22	0 39	7 43	1 47	24 58	13 12	18 22	18 38	18 7	16 16	2 28	S 18
M19	8 50	13 50	5 2	15 7	1 29	20 17	1 13	23 58	2 7	16 55	0 42	10 44	2 36	6 21	0 39	7 43	1 47	24 58	13 12	18 23	18 39	18 6	16 15	2 29	M19
T 20	8 28	17 1	4 35	15 17	1 16	20 9	1 8	24 2	2 7	16 57	0 42	10 44	2 36	6 21	0 39	7 44	1 47	24 59	13 12	18 23	18 39	18 5	16 15	2 29	T 20
W21	8 5	19 21	3 51	15 26	1 2	20 1	1 4	24 6	2 6	17 0	0 41	10 43	2 36	6 20	0 39	7 45	1 47	24 59	13 12	18 23	18 40	18 4	16 15	2 30	W21
T 22	7 43	20 35	2 53	15 32	0 49	19 52	0 59	24 10	2 6	17 2	0 41	10 42	2 37	6 19	0 39	7 45	1 47	25 0	13 12	18 22	18 41	18 3	16 14	2 30	T 22
F 23	7 20	20 31	1 42	15 37	0 36	19 43	0 55	24 13	2 6	17 5	0 41	10 41	2 37	6 19	0 39	7 46	1 47	25 0	13 12	18 22	18 42	18 2	16 14	2 31	F 23
S 24	6 57	19 2	0 23	15 40	0 23	19 33	0 51	24 17	2 5	17 7	0 41	10 40	2 37	6 18	0 39	7 47	1 47	25 1	13 12	18 22	18 43	18 1	16 13	2 31	S 24
S 25	6 34	16 15	0s58	15 42	0 11	19 22	0 46	24 20	2 5	17 10	0 41	10 40	2 37	6 17	0 39	7 47	1 47	25 1	13 12	18 22	18 43	18 0	16 13	2 32	S 25
M26	6 11	12 21	2 15	15 41	0s 1	19 11	0 42	24 24	2 4	17 13	0 40	10 39	2 37	6 16	0 39	7 48	1 47	25 2	13 12	18 22	18 44	17 59	16 13	2 32	M26
T 27	5 48	7 40	3 23	15 39	0 13	19 0	0 38	24 27	2 4	17 15	0 40	10 38	2 38	6 16	0 39	7 49	1 47	25 2	13 12	18 23	18 45	17 58	16 12	2 33	T 27
W28	5s25	2s35	4s17	15s35	0s24	18s48	0n34	24n30	2n 3	17n18	0s40	10s37	2n38	6s15	0n39	7n50	1s47	25n 3	13n12	18n25	18n46	17n57	16s11	2n33	W28

Julian Day Number = 2165963.5, Delta T = 12m45s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'13, Lahiri = 12°57'14 Julian Calendar 1 Feb. 1218 == Greg. Calendar 8 Feb. 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

MARCH 1218 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 44	17♓20'08	17♈50	19♒47	5♒ 8	13♊34	20♉38	4°R31	17°R21	24♈23	26°R34	7°R38	6♌18	11♌ 3	23°R16	T 1
F 2	11 5 40	18°19'43	1♉54	20°40	6°17	14° 3	20°48	4♏29	17♎19	24°25	26♌33	7♌31	6°15	11° 9	23♏15	F 2
S 3	11 9 37	19°19'17	15°31	21°36	7°27	14°32	20°58	4°26	17°17	24°27	26°31	7°26	6°12	11°16	23°15	S 3
S 4	11 13 33	20°18'48	28°40	22°35	8°37	15° 1	21° 8	4°24	17°14	24°29	26°30	7°22	6° 8	11°22	23°14	S 4
M 5	11 17 30	21°18'16	11♊24	23°37	9°47	15°31	21°18	4°21	17°12	24°31	26°29	7°20	6° 5	11°29	23°14	M 5
T 6	11 21 26	22°17'43	23°47	24°41	10°57	16° 0	21°28	4°19	17°10	24°33	26°27	7°D19	6° 2	11°36	23°13	T 6
W 7	11 25 23	23°17'07	5♋53	25°47	12° 7	16°30	21°38	4°16	17° 8	24°35	26°26	7°20	5°59	11°42	23°12	W 7
T 8	11 29 19	24°16'29	17°47	26°56	13°17	17° 0	21°48	4°13	17° 6	24°37	26°25	7°21	5°56	11°49	23°11	T 8
F 9	11 33 16	25°15'48	29°35	28° 7	14°27	17°30	21°59	4°10	17° 3	24°39	26°23	7°22	5°53	11°56	23°10	F 9
S 10	11 37 12	26°15'05	11♌21	29°20	15°37	18° 0	22° 9	4° 7	17° 1	24°41	26°22	7°R23	5°49	12° 2	23° 9	S 10
S 11	11 41 9	27°14'20	23°11	0♓36	16°48	18°30	22°20	4° 4	16°59	24°43	26°21	7°21	5°46	12° 9	23° 8	S 11
M12	11 45 6	28°13'32	5♍ 6	1°53	17°58	19° 0	22°30	4° 1	16°56	24°45	26°19	7°17	5°43	12°16	23° 6	M12
T 13	11 49 2	29°12'43	17°10	3°12	19° 8	19°31	22°41	3°57	16°54	24°47	26°18	7°11	5°40	12°22	23° 5	T 13
W14	11 52 59	0♈11'51	29°25	4°33	20°19	20° 1	22°52	3°54	16°51	24°49	26°17	7° 3	5°37	12°29	23° 3	W14
T 15	11 56 55	1°10'57	11♎52	5°55	21°30	20°32	23° 3	3°51	16°49	24°51	26°16	6°54	5°33	12°36	23° 2	T 15
F 16	12 0 52	2°10'01	24°31	7°20	22°40	21° 3	23°14	3°47	16°47	24°54	26°14	6°44	5°30	12°42	23° 0	F 16
S 17	12 4 48	3° 9'03	7♏22	8°46	23°51	21°34	23°25	3°44	16°44	24°56	26°13	6°34	5°27	12°49	22°58	S 17
S 18	12 8 45	4° 8'03	20°26	10°13	25° 2	22° 5	23°37	3°40	16°42	24°58	26°12	6°25	5°24	12°55	22°56	S 18
M19	12 12 41	5° 7'01	3♐42	11°43	26°12	22°36	23°48	3°37	16°39	25° 0	26°11	6°19	5°21	13° 2	22°54	M19
T 20	12 16 38	6° 5'58	17°11	13°13	27°23	23° 7	23°59	3°33	16°37	25° 2	26°10	6°15	5°18	13° 9	22°52	T 20
W21	12 20 35	7° 4'53	0♑52	14°46	28°34	23°38	24°11	3°29	16°34	25° 4	26° 9	6°13	5°14	13°15	22°50	W21
T 22	12 24 31	8° 3'46	14°47	16°20	29°45	24°10	24°23	3°25	16°32	25° 6	26° 8	6°D13	5°11	13°22	22°47	T 22
F 23	12 28 28	9° 2'38	28°56	17°56	0♓56	24°41	24°34	3°21	16°29	25° 9	26° 7	6°R14	5° 8	13°29	22°45	F 23
S 24	12 32 24	10° 1'27	13♒17	19°33	2° 7	25°13	24°46	3°18	16°27	25°11	26° 6	6°14	5° 5	13°35	22°43	S 24
S 25	12 36 21	11° 0'15	27°48	21°12	3°18	25°45	24°58	3°14	16°24	25°13	26° 5	6°12	5° 2	13°42	22°40	S 25
M26	12 40 17	11°59'01	12♓26	22°52	4°29	26°17	25°10	3°10	16°21	25°15	26° 4	6° 8	4°59	13°49	22°37	M26
T 27	12 44 14	12°57'45	27° 5	24°34	5°41	26°49	25°22	3° 5	16°19	25°17	26° 3	6° 1	4°55	13°55	22°35	T 27
W28	12 48 10	13°56'28	11♈36	26°18	6°52	27°21	25°34	3° 1	16°16	25°20	26° 2	5°52	4°52	14° 2	22°32	W28
T 29	12 52 7	14°55'08	25°55	28° 3	8° 3	27°53	25°46	2°57	16°14	25°22	26° 1	5°41	4°49	14° 9	22°29	T 29
F 30	12 56 4	15°53'46	9♉54	29°49	9°14	28°25	25°58	2°53	16°11	25°24	26° 0	5°30	4°46	14°15	22°26	F 30
S 31	13 0 0	16♈52'22	23♉29	1♈38	10♓26	28♊57	26♉10	2♏49	16♎ 9	25♈26	25♌59	5♌20	4♌43	14♌22	22♏23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 1	2n31	4s52	15s29	0s34	18s35	0n30	24n33	2n 3	17n21	0s40	10s36	2n38	6s14	0n39	7n50	1s47	25n 3	13n11	18n26	18n47	17n56	16s11	2n34
F 2	4 38	7 21	5 9	15 22	0 44	18 22	0 26	24 37	2 2	17 24	0 39	10 35	2 38	6 13	0 39	7 51	1 47	25 3	13 11	18 28	18 47	17 55	16 10	2 34
S 3	4 15	11 39	5 7	15 13	0 54	18 8	0 21	24 40	2 2	17 26	0 39	10 34	2 38	6 12	0 39	7 52	1 47	25 4	13 11	18 29	18 48	17 54	16 10	2 35
S 4	3 51	15 14	4 49	15 2	1 3	17 54	0 17	24 42	2 2	17 29	0 39	10 33	2 39	6 11	0 39	7 53	1 47	25 4	13 11	18 30	18 49	17 54	16 9	2 35
M 5	3 28	17 59	4 18	14 50	1 12	17 40	0 13	24 45	2 1	17 32	0 39	10 32	2 39	6 11	0 39	7 53	1 47	25 5	13 11	18 31	18 50	17 53	16 8	2 36
T 6	3 4	19 49	3 34	14 37	1 20	17 24	0 9	24 48	2 1	17 35	0 39	10 31	2 39	6 10	0 39	7 54	1 47	25 5	13 11	18 31	18 51	17 51	16 8	2 37
W 7	2 41	20 42	2 42	14 21	1 28	17 9	0 6	24 51	2 0	17 38	0 39	10 30	2 39	6 9	0 39	7 55	1 47	25 6	13 11	18 31	18 51	17 50	16 7	2 37
T 8	2 17	20 38	1 44	14 5	1 35	16 53	0 2	24 53	2 0	17 41	0 38	10 29	2 39	6 8	0 39	7 56	1 46	25 6	13 11	18 31	18 52	17 49	16 6	2 38
F 9	1 53	19 38	0 42	13 46	1 42	16 36	0s 2	24 56	1 59	17 43	0 38	10 28	2 39	6 7	0 39	7 56	1 46	25 6	13 11	18 30	18 53	17 48	16 5	2 38
S 10	1 30	17 47	0n22	13 27	1 49	16 19	0 6	24 58	1 59	17 46	0 38	10 26	2 40	6 6	0 39	7 57	1 46	25 7	13 11	18 30	18 54	17 47	16 5	2 39
S 11	1 6	15 11	1 24	13 5	1 54	16 1	0 10	25 0	1 58	17 49	0 38	10 25	2 40	6 5	0 40	7 58	1 46	25 7	13 10	18 31	18 54	17 46	16 4	2 39
M12	0 43	11 55	2 24	12 43	2 0	15 43	0 13	25 3	1 58	17 52	0 38	10 24	2 40	6 4	0 40	7 59	1 46	25 7	13 10	18 32	18 55	17 45	16 3	2 40
T 13	0 19	8 7	3 17	12 19	2 5	15 25	0 17	25 5	1 58	17 55	0 37	10 23	2 40	6 3	0 40	7 59	1 46	25 8	13 10	18 33	18 56	17 44	16 2	2 40
W14	0n 5	3 57	4 3	11 53	2 9	15 6	0 20	25 7	1 57	17 58	0 37	10 22	2 40	6 3	0 40	8 0	1 46	25 8	13 10	18 35	18 57	17 43	16 1	2 41
T 15	0 28	0s28	4 37	11 26	2 13	14 46	0 24	25 8	1 57	18 1	0 37	10 20	2 40	6 2	0 40	8 1	1 46	25 8	13 10	18 38	18 58	17 42	16 0	2 41
F 16	0 52	4 55	4 58	10 58	2 17	14 27	0 27	25 10	1 56	18 4	0 37	10 19	2 40	6 1	0 40	8 2	1 46	25 8	13 10	18 40	18 58	17 41	16 0	2 42
S 17	1 15	9 13	5 5	10 28	2 20	14 7	0 31	25 12	1 56	18 7	0 37	10 18	2 41	6 0	0 40	8 3	1 46	25 9	13 9	18 43	18 59	17 40	15 59	2 42
S 18	1 39	13 10	4 56	9 57	2 22	13 46	0 34	25 13	1 55	18 10	0 37	10 16	2 41	5 59	0 40	8 3	1 46	25 9	13 9	18 45	19 0	17 39	15 58	2 43
M19	2 2	16 32	4 31	9 25	2 24	13 25	0 37	25 15	1 55	18 13	0 36	10 15	2 41	5 58	0 40	8 4	1 46	25 9	13 9	18 46	19 1	17 38	15 57	2 43
T 20	2 26	19 5	3 51	8 52	2 26	13 4	0 40	25 16	1 54	18 16	0 36	10 14	2 41	5 57	0 40	8 5	1 46	25 9	13 9	18 47	19 1	17 37	15 56	2 44
W21	2 49	20 35	2 57	8 17	2 27	12 42	0 43	25 17	1 54	18 19	0 36	10 12	2 41	5 56	0 40	8 6	1 46	25 10	13 9	18 48	19 2	17 36	15 55	2 44
T 22	3 13	20 52	1 52	7 40	2 27	12 20	0 46	25 18	1 54	18 22	0 36	10 11	2 41	5 55	0 40	8 7	1 46	25 10	13 9	18 48	19 3	17 35	15 54	2 45
F 23	3 36	19 49	0 39	7 3	2 27	11 57	0 49	25 19	1 53	18 25	0 36	10 9	2 41	5 54	0 40	8 7	1 46	25 10	13 8	18 48	19 4	17 34	15 52	2 45
S 24	3 59	17 30	0s38	6 24	2 27	11 35	0 52	25 20	1 53	18 28	0 36	10 8	2 41	5 53	0 40	8 8	1 46	25 10	13 8	18 48	19 5	17 33	15 51	2 46
S 25	4 22	14 3	1 52	5 44	2 26	11 12	0 55	25 20	1 52	18 31	0 35	10 7	2 42	5 52	0 40	8 9	1 46	25 10	13 8	18 48	19 5	17 32	15 50	2 46
M26	4 45	9 42	3 0	5 3	2 24	10 48	0 58	25 21	1 52	18 34	0 35	10 5	2 42	5 51	0 40	8 10	1 46	25 11	13 8	18 49	19 6	17 31	15 49	2 47
T 27	5 8	4 47	3 56	4 20	2 22	10 24	1 1	25 21	1 51	18 37	0 35	10 4	2 42	5 50	0 40	8 11	1 46	25 11	13 7	18 51	19 7	17 29	15 48	2 47
W28	5 31	0n22	4 36	3 37	2 20	10 0	1 3	25 22	1 51	18 40	0 35	10 2	2 42	5 49	0 40	8 12	1 46	25 11	13 7	18 53	19 8	17 28	15 47	2 47
T 29	5 54	5 25	4 58	2 52	2 17	9 36	1 6	25 22	1 50	18 43	0 35	10 1	2 42	5 48	0 40	8 12	1 46	25 11	13 7	18 56	19 8	17 27	15 46	2 48
F 30	6 17	10 4	5 2	2 6	2 13	9 11	1 8	25 22	1 50	18 46	0 35	9 59	2 42	5 47	0 40	8 13	1 46	25 11	13 7	18 58	19 9	17 26	15 44	2 48
S 31	6n39	14n 5	4s48	1s19	2s 9	8s47	1s11	25n22	1n49	18n49	0s34	9s58	2n42	5s46	0n40	8n14	1s46	25n11	13n 7	19n 1	19n10	17n25	15s43	2n49

Julian Day Number = 2165991.5, Delta T = 12m45s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'17, Lahiri = 12°57'18 Julian Calendar 1 March 1218 == Greg. Calendar 8 March 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

APRIL 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 3 57	17♈50'57	6♊40	3♈27	11♓37	29♊30	26♉23	2°R45	16°R 6	25♈29	25°R58	5°R12	4♌39	14♌29	22°R20	S 1
M 2	13 7 53	18°49'29	19°26	5°19	12°48	0♋ 2	26°35	2♏40	16♎ 3	25°31	25♌57	5♌ 6	4°36	14°35	22♏17	M 2
T 3	13 11 50	19°47'58	1♋51	7°12	14° 0	0°35	26°47	2°36	16° 1	25°33	25°57	5° 2	4°33	14°42	22°13	T 3
W 4	13 15 46	20°46'26	13°58	9° 7	15°11	1° 8	27° 0	2°32	15°58	25°35	25°56	5° 1	4°30	14°48	22°10	W 4
T 5	13 19 43	21°44'52	25°54	11° 3	16°23	1°40	27°12	2°27	15°56	25°38	25°55	5°D 1	4°27	14°55	22° 7	T 5
F 6	13 23 39	22°43'15	7♌43	13° 1	17°34	2°13	27°25	2°23	15°53	25°40	25°54	5°R 1	4°24	15° 2	22° 3	F 6
S 7	13 27 36	23°41'36	19°30	15° 1	18°46	2°46	27°38	2°18	15°51	25°42	25°54	5° 0	4°20	15° 8	22° 0	S 7
S 8	13 31 33	24°39'55	1♍22	17° 2	19°57	3°19	27°50	2°14	15°48	25°44	25°53	4°58	4°17	15°15	21°56	S 8
M 9	13 35 29	25°38'12	13°22	19° 4	21° 9	3°52	28° 3	2° 9	15°46	25°47	25°52	4°53	4°14	15°22	21°52	M 9
T 10	13 39 26	26°36'27	25°35	21° 8	22°21	4°25	28°16	2° 5	15°43	25°49	25°52	4°45	4°11	15°28	21°49	T 10
W11	13 43 22	27°34'40	8♎ 2	23°13	23°32	4°58	28°29	2° 0	15°41	25°51	25°51	4°35	4° 8	15°35	21°45	W11
T 12	13 47 19	28°32'51	20°44	25°20	24°44	5°32	28°42	1°56	15°38	25°53	25°51	4°22	4° 4	15°42	21°41	T 12
F 13	13 51 15	29°31'00	3♏43	27°27	25°56	6° 5	28°55	1°51	15°36	25°56	25°50	4°10	4° 1	15°48	21°37	F 13
S 14	13 55 12	0♉29'08	16°56	29°35	27° 7	6°38	29° 8	1°47	15°33	25°58	25°50	3°57	3°58	15°55	21°34	S 14
S 15	13 59 8	1°27'14	0♐23	1♉45	28°19	7°12	29°21	1°42	15°31	26° 0	25°49	3°46	3°55	16° 2	21°30	S 15
M16	14 3 5	2°25'18	14° 0	3°54	29°31	7°45	29°34	1°38	15°28	26° 2	25°49	3°38	3°52	16° 8	21°26	M16
T 17	14 7 1	3°23'21	27°46	6° 4	0♈43	8°19	29°47	1°33	15°26	26° 5	25°48	3°32	3°49	16°15	21°22	T 17
W18	14 10 58	4°21'23	11♑39	8°14	1°55	8°52	0♊ 0	1°29	15°24	26° 7	25°48	3°29	3°45	16°22	21°17	W18
T 19	14 14 55	5°19'23	25°38	10°24	3° 6	9°26	0°14	1°24	15°21	26° 9	25°47	3°28	3°42	16°28	21°13	T 19
F 20	14 18 51	6°17'22	9♒43	12°33	4°18	10° 0	0°27	1°20	15°19	26°11	25°47	3°28	3°39	16°35	21° 9	F 20
S 21	14 22 48	7°15'20	23°52	14°42	5°30	10°34	0°40	1°15	15°17	26°14	25°47	3°28	3°36	16°41	21° 5	S 21
S 22	14 26 44	8°13'16	8♓ 5	16°49	6°42	11° 8	0°54	1°11	15°14	26°16	25°47	3°26	3°33	16°48	21° 1	S 22
M23	14 30 41	9°11'11	22°19	18°55	7°54	11°41	1° 7	1° 6	15°12	26°18	25°46	3°21	3°30	16°55	20°57	M23
T 24	14 34 37	10° 9'04	6♈32	20°59	9° 6	12°15	1°20	1° 2	15°10	26°20	25°46	3°13	3°26	17° 1	20°52	T 24
W25	14 38 34	11° 6'56	20°39	23° 1	10°18	12°50	1°34	0°58	15° 8	26°22	25°46	3° 3	3°23	17° 8	20°48	W25
T 26	14 42 30	12° 4'47	4♉34	25° 1	11°30	13°24	1°47	0°53	15° 5	26°25	25°46	2°52	3°20	17°15	20°44	T 26
F 27	14 46 27	13° 2'36	18°15	26°59	12°42	13°58	2° 1	0°49	15° 3	26°27	25°46	2°40	3°17	17°21	20°39	F 27
S 28	14 50 24	14° 0'24	1♊38	28°54	13°54	14°32	2°14	0°44	15° 1	26°29	25°46	2°28	3°14	17°28	20°35	S 28
S 29	14 54 20	14°58'11	14°39	0♊47	15° 6	15° 6	2°28	0°40	14°59	26°31	25°46	2°19	3°10	17°35	20°31	S 29
M30	14 58 17	15♉55'56	27♊21	2♊37	16♈19	15♋41	2♊42	0♏36	14♎57	26♈33	25°D46	2♌12	3♌ 7	17♌41	20♏26	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 2	17n16	4s19	0s31	2s 4	8s21	1s13	25n21	1n49	18n52	0s34	9s56	2n42	5s45	0n40	8n15	1s46	25n11	13n 6	19n 3	19n11	17n24	15s42	2n49
M 2	7 24	19 30	3 37	0n18	1 59	7 56	1 15	25 21	1 49	18 55	0 34	9 55	2 42	5 44	0 40	8 16	1 46	25 11	13 6	19 4	19 11	17 23	15 41	2 50
T 3	7 46	20 45	2 47	1 8	1 54	7 30	1 17	25 20	1 48	18 58	0 34	9 53	2 42	5 43	0 39	8 16	1 46	25 11	13 6	19 5	19 12	17 22	15 40	2 50
W 4	8 9	20 59	1 49	1 59	1 47	7 5	1 19	25 20	1 48	19 1	0 34	9 52	2 42	5 42	0 39	8 17	1 46	25 11	13 6	19 6	19 13	17 21	15 38	2 51
T 5	8 31	20 16	0 48	2 51	1 41	6 39	1 21	25 19	1 47	19 4	0 34	9 50	2 42	5 41	0 39	8 18	1 46	25 11	13 5	19 6	19 14	17 19	15 37	2 51
F 6	8 52	18 39	0n14	3 43	1 34	6 12	1 23	25 18	1 47	19 7	0 34	9 49	2 42	5 40	0 39	8 19	1 46	25 11	13 5	19 6	19 15	17 18	15 36	2 52
S 7	9 14	16 14	1 16	4 37	1 26	5 46	1 25	25 17	1 46	19 10	0 33	9 47	2 42	5 39	0 39	8 20	1 46	25 11	13 5	19 6	19 15	17 17	15 34	2 52
S 8	9 36	13 8	2 15	5 31	1 18	5 19	1 27	25 16	1 46	19 13	0 33	9 45	2 42	5 38	0 39	8 21	1 46	25 11	13 4	19 6	19 16	17 16	15 33	2 52
M 9	9 57	9 27	3 8	6 25	1 10	4 52	1 28	25 14	1 45	19 16	0 33	9 44	2 42	5 37	0 39	8 21	1 46	25 11	13 4	19 8	19 17	17 15	15 32	2 53
T 10	10 18	5 20	3 54	7 21	1 1	4 26	1 30	25 13	1 45	19 19	0 33	9 42	2 42	5 36	0 39	8 22	1 46	25 11	13 4	19 9	19 18	17 14	15 30	2 53
W11	10 39	0 56	4 29	8 16	0 51	3 58	1 31	25 11	1 45	19 22	0 33	9 41	2 42	5 35	0 39	8 23	1 46	25 11	13 4	19 12	19 18	17 13	15 29	2 54
T 12	11 0	3s37	4 52	9 11	0 42	3 31	1 33	25 9	1 44	19 25	0 33	9 39	2 42	5 34	0 39	8 24	1 46	25 11	13 3	19 15	19 19	17 11	15 28	2 54
F 13	11 21	8 6	5 0	10 7	0 32	3 4	1 34	25 7	1 44	19 28	0 33	9 38	2 42	5 34	0 39	8 25	1 46	25 11	13 3	19 18	19 20	17 10	15 26	2 54
S 14	11 41	12 17	4 53	11 2	0 22	2 36	1 35	25 5	1 43	19 31	0 32	9 36	2 42	5 33	0 39	8 25	1 46	25 11	13 3	19 21	19 21	17 9	15 25	2 55
S 15	12 2	15 56	4 29	11 57	0 11	2 9	1 37	25 3	1 43	19 34	0 32	9 35	2 42	5 32	0 39	8 26	1 46	25 11	13 2	19 23	19 21	17 8	15 24	2 55
M16	12 22	18 46	3 50	12 52	0 1	1 41	1 38	25 1	1 42	19 37	0 32	9 33	2 42	5 31	0 39	8 27	1 46	25 11	13 2	19 25	19 22	17 7	15 22	2 56
T 17	12 42	20 34	2 57	13 45	0n10	1 13	1 39	24 58	1 42	19 40	0 32	9 32	2 42	5 30	0 39	8 28	1 46	25 11	13 2	19 27	19 23	17 6	15 21	2 56
W18	13 2	21 9	1 53	14 38	0 21	0 46	1 40	24 56	1 41	19 43	0 32	9 30	2 42	5 29	0 39	8 29	1 46	25 10	13 2	19 27	19 24	17 4	15 19	2 56
T 19	13 21	20 26	0 41	15 30	0 31	0 18	1 40	24 53	1 41	19 46	0 32	9 29	2 42	5 28	0 39	8 30	1 46	25 10	13 1	19 28	19 24	17 3	15 18	2 57
F 20	13 40	18 25	0s33	16 20	0 42	0n10	1 41	24 50	1 40	19 49	0 32	9 27	2 42	5 27	0 39	8 30	1 46	25 10	13 1	19 28	19 25	17 2	15 16	2 57
S 21	13 59	15 17	1 46	17 8	0 52	0 38	1 42	24 47	1 40	19 52	0 31	9 26	2 42	5 26	0 39	8 31	1 46	25 10	13 1	19 28	19 26	17 1	15 15	2 57
S 22	14 18	11 14	2 52	17 55	1 2	1 6	1 42	24 43	1 40	19 55	0 31	9 24	2 42	5 25	0 39	8 32	1 46	25 10	13 0	19 28	19 27	17 0	15 14	2 58
M23	14 37	6 33	3 48	18 40	1 11	1 34	1 43	24 40	1 39	19 58	0 31	9 23	2 42	5 25	0 39	8 33	1 46	25 10	13 0	19 29	19 27	16 58	15 12	2 58
T 24	14 55	1 31	4 29	19 22	1 20	2 2	1 43	24 37	1 39	20 0	0 31	9 21	2 42	5 24	0 39	8 33	1 46	25 9	13 0	19 31	19 28	16 57	15 11	2 58
W25	15 14	3n33	4 54	20 3	1 29	2 30	1 44	24 33	1 38	20 3	0 31	9 20	2 42	5 23	0 39	8 34	1 46	25 9	12 59	19 33	19 29	16 56	15 9	2 59
T 26	15 31	8 23	5 1	20 40	1 37	2 58	1 44	24 29	1 38	20 6	0 31	9 18	2 42	5 22	0 39	8 35	1 46	25 9	12 59	19 36	19 30	16 55	15 8	2 59
F 27	15 49	12 41	4 50	21 16	1 45	3 26	1 44	24 25	1 37	20 9	0 31	9 17	2 42	5 21	0 39	8 36	1 46	25 9	12 59	19 39	19 30	16 54	15 6	2 59
S 28	16 7	16 16	4 23	21 49	1 52	3 54	1 44	24 21	1 37	20 12	0 31	9 15	2 42	5 20	0 39	8 37	1 46	25 8	12 58	19 41	19 31	16 52	15 5	3 0
S 29	16 24	18 57	3 43	22 19	1 58	4 22	1 44	24 17	1 36	20 15	0 31	9 14	2 42	5 20	0 39	8 37	1 46	25 8	12 58	19 44	19 32	16 51	15 4	3 0
M30	16n41	20n38	2s53	22n47	2n 3	4n50	1s44	24n12	1n36	20n17	0s30	9s12	2n41	5s19	0n39	8n38	1s46	25n 8	12n58	19n45	19n32	16n50	15s 2	3n 0

Julian Day Number = 2166022.5, Delta T = 12m45s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'22, Lahiri = 12°57'22 Julian Calendar 1 Apr. 1218 == Greg. Calendar 8 Apr. 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

MAY 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 13	16♉53'39	9♋44	4♊24	17♈31	16♋15	2♊55	0°R32	14°R55	26♈36	25♌46	2°R 8	3♌ 4	17♌48	20°R22	T 1
W 2	15 6 10	17°51'21	21°51	6° 8	18°43	16°50	3° 9	0♏27	14♎53	26°38	25°46	2♌ 6	3° 1	17°55	20♏18	W 2
T 3	15 10 6	18°49'01	3♌47	7°49	19°55	17°24	3°22	0°23	14°51	26°40	25°46	2°D 5	2°58	18° 1	20°13	T 3
F 4	15 14 3	19°46'40	15°36	9°26	21° 7	17°59	3°36	0°19	14°49	26°42	25°46	2°R 6	2°55	18° 8	20° 9	F 4
S 5	15 17 59	20°44'17	27°25	11° 1	22°19	18°33	3°50	0°15	14°47	26°44	25°46	2° 6	2°51	18°15	20° 4	S 5
S 6	15 21 56	21°41'52	9♍19	12°32	23°32	19° 8	4° 4	0°11	14°45	26°46	25°46	2° 4	2°48	18°21	20° 0	S 6
M 7	15 25 53	22°39'26	21°22	14° 1	24°44	19°43	4°17	0° 7	14°43	26°48	25°46	2° 0	2°45	18°28	19°56	M 7
T 8	15 29 49	23°36'59	3♎40	15°25	25°56	20°17	4°31	0° 3	14°41	26°50	25°46	1°55	2°42	18°34	19°51	T 8
W 9	15 33 46	24°34'30	16°14	16°47	27° 8	20°52	4°45	29♎59	14°40	26°52	25°47	1°46	2°39	18°41	19°47	W 9
T 10	15 37 42	25°32'00	29° 9	18° 5	28°21	21°27	4°59	29°55	14°38	26°54	25°47	1°37	2°36	18°48	19°43	T 10
F 11	15 41 39	26°29'28	12♏24	19°20	29°33	22° 2	5°12	29°51	14°36	26°56	25°47	1°26	2°32	18°54	19°38	F 11
S 12	15 45 35	27°26'56	25°58	20°31	0♉45	22°37	5°26	29°48	14°34	26°58	25°48	1°15	2°29	19° 1	19°34	S 12
S 13	15 49 32	28°24'22	9♐48	21°39	1°58	23°12	5°40	29°44	14°33	27° 0	25°48	1° 6	2°26	19° 8	19°30	S 13
M14	15 53 28	29°21'48	23°50	22°43	3°10	23°47	5°54	29°40	14°31	27° 2	25°48	0°59	2°23	19°14	19°25	M14
T 15	15 57 25	0♊19'13	8♑ 0	23°43	4°22	24°22	6° 8	29°37	14°30	27° 4	25°49	0°55	2°20	19°21	19°21	T 15
W16	16 1 22	1°16'37	22°14	24°40	5°35	24°57	6°22	29°33	14°28	27° 6	25°49	0°53	2°16	19°28	19°17	W16
T 17	16 5 18	2°14'00	6♒29	25°33	6°47	25°32	6°35	29°30	14°27	27° 8	25°50	0°D53	2°13	19°34	19°13	T 17
F 18	16 9 15	3°11'23	20°42	26°22	8° 0	26° 7	6°49	29°26	14°25	27°10	25°50	0°54	2°10	19°41	19° 8	F 18
S 19	16 13 11	4° 8'44	4♓52	27° 7	9°12	26°43	7° 3	29°23	14°24	27°12	25°51	0°R54	2° 7	19°48	19° 4	S 19
S 20	16 17 8	5° 6'06	18°56	27°48	10°25	27°18	7°17	29°20	14°23	27°14	25°51	0°53	2° 4	19°54	19° 0	S 20
M21	16 21 4	6° 3'27	2♈54	28°25	11°37	27°53	7°31	29°17	14°21	27°16	25°52	0°50	2° 1	20° 1	18°56	M21
T 22	16 25 1	7° 0'47	16°45	28°58	12°50	28°29	7°45	29°14	14°20	27°18	25°53	0°45	1°57	20° 8	18°52	T 22
W23	16 28 57	7°58'07	0♉27	29°26	14° 2	29° 4	7°59	29°11	14°19	27°20	25°53	0°38	1°54	20°14	18°48	W23
T 24	16 32 54	8°55'26	13°57	29°50	15°15	29°39	8°12	29° 8	14°18	27°21	25°54	0°30	1°51	20°21	18°44	T 24
F 25	16 36 51	9°52'45	27°14	0♋ 9	16°27	0♌15	8°26	29° 5	14°17	27°23	25°55	0°21	1°48	20°28	18°40	F 25
S 26	16 40 47	10°50'03	10♊15	0°24	17°40	0°50	8°40	29° 2	14°16	27°25	25°55	0°13	1°45	20°34	18°36	S 26
S 27	16 44 44	11°47'20	23° 1	0°35	18°53	1°26	8°54	28°59	14°15	27°27	25°56	0° 7	1°42	20°41	18°33	S 27
M28	16 48 40	12°44'37	5♋31	0°41	20° 5	2° 2	9° 8	28°57	14°14	27°28	25°57	0° 2	1°38	20°48	18°29	M28
T 29	16 52 37	13°41'53	17°47	0°R42	21°18	2°37	9°22	28°54	14°13	27°30	25°58	29♋59	1°35	20°54	18°25	T 29
W30	16 56 33	14°39'09	29°50	0°39	22°31	3°13	9°36	28°52	14°12	27°32	25°59	29°D58	1°32	21° 1	18°22	W30
T 31	17 0 30	15♊36'24	11♌44	0♋31	23♉43	3♌49	9♊49	28♎49	14♎11	27♈33	26♌ 0	29♋59	1♌29	21♌ 8	18♏18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n57	21n15	1s56	23n12	2n 8	5n18	1s44	24n 8	1n36	20n20	0s30	9s11	2n41	5s18	0n39	8n39	1s46	25n 7	12n58	19n46	19n33	16n49	15s 1	3n 1	T 1
W 2	17 13	20 52	0 54	23 35	2 12	5 46	1 44	24 3	1 35	20 23	0 30	9 10	2 41	5 17	0 39	8 40	1 46	25 7	12 57	19 47	19 34	16 47	14 59	3 1	W 2
T 3	17 30	19 32	0n 9	23 55	2 15	6 13	1 44	23 58	1 35	20 26	0 30	9 8	2 41	5 16	0 39	8 40	1 46	25 7	12 57	19 47	19 35	16 46	14 58	3 1	T 3
F 4	17 45	17 22	1 11	24 13	2 17	6 41	1 43	23 53	1 34	20 28	0 30	9 7	2 41	5 16	0 39	8 41	1 46	25 6	12 57	19 47	19 35	16 45	14 56	3 1	F 4
S 5	18 1	14 28	2 11	24 29	2 19	7 8	1 43	23 48	1 34	20 31	0 30	9 6	2 41	5 15	0 39	8 42	1 46	25 6	12 56	19 47	19 36	16 44	14 55	3 2	S 5
S 6	18 16	10 57	3 5	24 42	2 20	7 35	1 42	23 42	1 33	20 34	0 30	9 4	2 41	5 14	0 39	8 43	1 46	25 6	12 56	19 47	19 37	16 42	14 54	3 2	S 6
M 7	18 31	6 58	3 51	24 53	2 20	8 2	1 42	23 37	1 33	20 36	0 30	9 3	2 41	5 14	0 39	8 43	1 46	25 5	12 56	19 48	19 38	16 41	14 52	3 2	M 7
T 8	18 45	2 38	4 28	25 2	2 19	8 29	1 41	23 31	1 32	20 39	0 30	9 2	2 41	5 13	0 39	8 44	1 46	25 5	12 55	19 49	19 38	16 40	14 51	3 2	T 8
W 9	19 0	1s55	4 52	25 9	2 17	8 56	1 41	23 26	1 32	20 42	0 29	9 1	2 40	5 12	0 39	8 45	1 46	25 5	12 55	19 51	19 39	16 39	14 49	3 3	W 9
T 10	19 13	6 30	5 3	25 14	2 14	9 23	1 40	23 20	1 31	20 44	0 29	8 59	2 40	5 12	0 39	8 45	1 46	25 4	12 55	19 53	19 40	16 37	14 48	3 3	T 10
F 11	19 27	10 54	4 58	25 17	2 11	9 49	1 39	23 14	1 31	20 47	0 29	8 58	2 40	5 11	0 39	8 46	1 46	25 4	12 54	19 55	19 41	16 36	14 47	3 3	F 11
S 12	19 40	14 51	4 36	25 18	2 6	10 15	1 38	23 7	1 31	20 49	0 29	8 57	2 40	5 10	0 39	8 47	1 47	25 3	12 54	19 58	19 41	16 35	14 45	3 3	S 12
S 13	19 53	18 6	3 58	25 18	2 1	10 41	1 37	23 1	1 30	20 52	0 29	8 56	2 40	5 10	0 39	8 48	1 47	25 3	12 54	20 0	19 42	16 33	14 44	3 4	S 13
M14	20 6	20 20	3 4	25 15	1 55	11 7	1 36	22 54	1 30	20 54	0 29	8 55	2 40	5 9	0 39	8 48	1 47	25 3	12 53	20 1	19 43	16 32	14 43	3 4	M14
T 15	20 18	21 19	1 59	25 12	1 49	11 32	1 35	22 48	1 29	20 57	0 29	8 54	2 39	5 9	0 39	8 49	1 47	25 2	12 53	20 2	19 43	16 31	14 41	3 4	T 15
W16	20 30	20 56	0 46	25 7	1 41	11 58	1 34	22 41	1 29	20 59	0 29	8 53	2 39	5 8	0 39	8 50	1 47	25 2	12 53	20 3	19 44	16 29	14 40	3 4	W16
T 17	20 42	19 13	0s30	25 0	1 33	12 23	1 33	22 34	1 28	21 2	0 29	8 52	2 39	5 8	0 39	8 50	1 47	25 1	12 52	20 3	19 45	16 28	14 39	3 4	T 17
F 18	20 53	16 18	1 44	24 53	1 23	12 48	1 31	22 27	1 28	21 4	0 28	8 51	2 39	5 7	0 39	8 51	1 47	25 1	12 52	20 3	19 46	16 27	14 37	3 5	F 18
S 19	21 4	12 26	2 52	24 44	1 13	13 12	1 30	22 20	1 27	21 7	0 28	8 50	2 39	5 7	0 38	8 52	1 47	25 0	12 52	20 2	19 46	16 26	14 36	3 5	S 19
S 20	21 14	7 54	3 48	24 34	1 3	13 36	1 29	22 12	1 27	21 9	0 28	8 49	2 39	5 6	0 38	8 52	1 47	25 0	12 51	20 3	19 47	16 24	14 35	3 5	S 20
M21	21 24	2 59	4 31	24 23	0 51	14 0	1 27	22 5	1 26	21 11	0 28	8 48	2 38	5 6	0 38	8 53	1 47	24 59	12 51	20 3	19 48	16 23	14 33	3 5	M21
T 22	21 34	2n 2	4 57	24 11	0 39	14 24	1 26	21 57	1 26	21 14	0 28	8 47	2 38	5 5	0 38	8 53	1 47	24 59	12 51	20 4	19 48	16 22	14 32	3 5	T 22
W23	21 44	6 53	5 6	23 58	0 26	14 47	1 24	21 50	1 26	21 16	0 28	8 46	2 38	5 5	0 38	8 54	1 47	24 58	12 50	20 6	19 49	16 20	14 31	3 5	W23
T 24	21 53	11 21	4 58	23 45	0 12	15 10	1 22	21 42	1 25	21 18	0 28	8 45	2 38	5 4	0 38	8 55	1 47	24 58	12 50	20 8	19 50	16 19	14 30	3 6	T 24
F 25	22 1	15 11	4 34	23 30	0s 2	15 32	1 21	21 34	1 25	21 21	0 28	8 44	2 38	5 4	0 38	8 55	1 47	24 57	12 50	20 10	19 51	16 18	14 29	3 6	F 25
S 26	22 10	18 12	3 55	23 16	0 17	15 55	1 19	21 25	1 24	21 23	0 28	8 43	2 37	5 4	0 38	8 56	1 47	24 56	12 50	20 11	19 51	16 16	14 27	3 6	S 26
S 27	22 18	20 16	3 6	23 0	0 32	16 16	1 17	21 17	1 24	21 25	0 28	8 43	2 37	5 3	0 38	8 56	1 47	24 56	12 49	20 13	19 52	16 15	14 26	3 6	S 27
M28	22 25	21 17	2 8	22 44	0 48	16 38	1 15	21 9	1 23	21 27	0 28	8 42	2 37	5 3	0 38	8 57	1 47	24 55	12 49	20 14	19 53	16 14	14 25	3 6	M28
T 29	22 32	21 16	1 6	22 28	1 4	16 59	1 13	21 0	1 23	21 30	0 27	8 41	2 37	5 3	0 38	8 58	1 47	24 55	12 49	20 14	19 53	16 12	14 24	3 6	T 29
W30	22 39	20 16	0 1	22 12	1 20	17 19	1 12	20 51	1 22	21 32	0 27	8 41	2 36	5 2	0 38	8 58	1 47	24 54	12 48	20 15	19 54	16 11	14 23	3 6	W30
T 31	22n45	18n21	1n 3	21n55	1s37	17n40	1s10	20n42	1n22	21n34	0s27	8s40	2n36	5s 2	0n38	8n59	1s47	24n54	12n48	20n14	19n55	16n 9	14s22	3n 6	T 31

Julian Day Number = 2166052.5, Delta T = 12m45s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'26, Lahiri = 12°57'26 Julian Calendar 1 May 1218 == Greg. Calendar 8 May 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

JUNE 1218 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 4 26	16♊33'38	23♌33	0°R20	24♉56	4♌25	10♊ 3	28°R47	14°R10	27♈35	26♌ 1	0♌ 0	1♌26	21♌14	18°R14	F 1
S 2	17 8 23	17°30'51	5♍22	0♋ 4	26° 9	5° 1	10°17	28♎45	14♎10	27°37	26° 2	0° 1	1°22	21°21	18♏11	S 2
S 3	17 12 20	18°28'04	17°16	29♊44	27°22	5°36	10°31	28°42	14° 9	27°38	26° 2	0°R 2	1°19	21°27	18° 8	S 3
M 4	17 16 16	19°25'16	29°19	29°20	28°34	6°12	10°44	28°40	14° 8	27°40	26° 3	0° 2	1°16	21°34	18° 4	M 4
T 5	17 20 13	20°22'27	11♎38	28°54	29°47	6°48	10°58	28°38	14° 8	27°41	26° 4	29♋59	1°13	21°41	18° 1	T 5
W 6	17 24 9	21°19'38	24°15	28°24	1♊ 0	7°24	11°12	28°37	14° 7	27°43	26° 6	29°56	1°10	21°47	17°58	W 6
T 7	17 28 6	22°16'48	7♏15	27°52	2°13	8° 0	11°26	28°35	14° 7	27°44	26° 7	29°51	1° 7	21°54	17°55	T 7
F 8	17 32 2	23°13'58	20°38	27°19	3°26	8°36	11°39	28°33	14° 6	27°46	26° 8	29°45	1° 3	22° 1	17°52	F 8
S 9	17 35 59	24°11'07	4♐24	26°44	4°39	9°13	11°53	28°31	14° 6	27°47	26° 9	29°40	1° 0	22° 7	17°49	S 9
S 10	17 39 55	25° 8'17	18°32	26° 8	5°51	9°49	12° 7	28°30	14° 6	27°49	26°10	29°35	0°57	22°14	17°46	S 10
M11	17 43 52	26° 5'26	2♑56	25°32	7° 4	10°25	12°20	28°29	14° 6	27°50	26°11	29°31	0°54	22°21	17°43	M11
T 12	17 47 49	27° 2'35	17°31	24°57	8°17	11° 1	12°34	28°27	14° 5	27°51	26°12	29°29	0°51	22°27	17°40	T 12
W13	17 51 45	27°59'44	2♒10	24°23	9°30	11°37	12°48	28°26	14° 5	27°53	26°14	29°D29	0°47	22°34	17°38	W13
T 14	17 55 42	28°56'53	16°48	23°50	10°43	12°14	13° 1	28°25	14° 5	27°54	26°15	29°30	0°44	22°41	17°35	T 14
F 15	17 59 38	29°54'02	1♓19	23°20	11°56	12°50	13°15	28°24	14°D 5	27°55	26°16	29°31	0°41	22°47	17°32	F 15
S 16	18 3 35	0♋51'12	15°39	22°52	13° 9	13°27	13°28	28°23	14° 5	27°57	26°17	29°32	0°38	22°54	17°30	S 16
S 17	18 7 31	1°48'22	29°47	22°28	14°22	14° 3	13°42	28°22	14° 5	27°58	26°19	29°R33	0°35	23° 1	17°28	S 17
M18	18 11 28	2°45'32	13♈39	22° 8	15°36	14°39	13°55	28°21	14° 5	27°59	26°20	29°33	0°32	23° 7	17°25	M18
T 19	18 15 25	3°42'43	27°17	21°52	16°49	15°16	14° 8	28°21	14° 5	28° 0	26°21	29°31	0°28	23°14	17°23	T 19
W20	18 19 21	4°39'54	10♉40	21°40	18° 2	15°52	14°22	28°20	14° 6	28° 1	26°23	29°28	0°25	23°21	17°21	W20
T 21	18 23 18	5°37'05	23°48	21°33	19°15	16°29	14°35	28°19	14° 6	28° 2	26°24	29°25	0°22	23°27	17°19	T 21
F 22	18 27 14	6°34'17	6♊42	21°D31	20°28	17° 6	14°49	28°19	14° 6	28° 4	26°26	29°22	0°19	23°34	17°17	F 22
S 23	18 31 11	7°31'30	19°23	21°34	21°41	17°42	15° 2	28°19	14° 7	28° 5	26°27	29°18	0°16	23°41	17°15	S 23
S 24	18 35 7	8°28'42	1♋50	21°42	22°55	18°19	15°15	28°19	14° 7	28° 6	26°29	29°16	0°13	23°47	17°14	S 24
M25	18 39 4	9°25'55	14° 6	21°56	24° 8	18°56	15°28	28°D19	14° 8	28° 7	26°30	29°14	0° 9	23°54	17°12	M25
T 26	18 43 0	10°23'09	26°11	22°15	25°21	19°33	15°41	28°19	14° 8	28° 8	26°32	29°D13	0° 6	24° 1	17°11	T 26
W27	18 46 57	11°20'22	8♌ 8	22°39	26°35	20°10	15°55	28°19	14° 9	28° 9	26°33	29°13	0° 3	24° 7	17° 9	W27
T 28	18 50 54	12°17'36	19°59	23° 9	27°48	20°46	16° 8	28°19	14° 9	28° 9	26°35	29°14	29♋59	24°14	17° 8	T 28
F 29	18 54 50	13°14'50	1♍47	23°44	29° 1	21°23	16°21	28°19	14°10	28°10	26°36	29°16	29°57	24°21	17° 6	F 29
S 30	18 58 47	14♋12'05	13♍35	24♊25	0♋15	22♌ 0	16♊34	28♎20	14♎11	28♈11	26♌38	29♋17	29♋53	24♌27	17♏ 5	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n51	15n41	2n 5	21n39	1s54	17n59	1s 8	20n33	1n21	21n36	0s27	8s39	2n36	5s 2	0n38	8n59	1s47	24n53	12n48	20n14	19n56	16n 8	14s21	3n 6
S 2	22 57	12 23	3 0	21 22	2 10	18 19	1 6	20 24	1 21	21 38	0 27	8 39	2 36	5 1	0 38	9 0	1 47	24 52	12 47	20 14	19 56	16 7	14 20	3 7
S 3	23 2	8 34	3 49	21 6	2 27	18 37	1 3	20 15	1 20	21 40	0 27	8 38	2 36	5 1	0 38	9 0	1 47	24 52	12 47	20 14	19 57	16 5	14 19	3 7
M 4	23 7	4 22	4 28	20 50	2 43	18 56	1 1	20 5	1 20	21 42	0 27	8 38	2 35	5 1	0 38	9 1	1 47	24 51	12 47	20 14	19 58	16 4	14 18	3 7
T 5	23 11	0s 5	4 55	20 34	2 58	19 14	0 59	19 56	1 20	21 44	0 27	8 37	2 35	5 1	0 38	9 1	1 47	24 51	12 47	20 14	19 58	16 3	14 17	3 7
W 6	23 15	4 39	5 10	20 19	3 13	19 31	0 57	19 46	1 19	21 46	0 27	8 37	2 35	5 1	0 38	9 2	1 48	24 50	12 46	20 15	19 59	16 1	14 16	3 7
T 7	23 19	9 7	5 8	20 4	3 27	19 48	0 55	19 36	1 19	21 48	0 27	8 36	2 35	5 1	0 38	9 2	1 48	24 49	12 46	20 16	20 0	16 0	14 15	3 7
F 8	23 22	13 18	4 51	19 50	3 41	20 4	0 53	19 27	1 18	21 50	0 27	8 36	2 34	5 0	0 38	9 3	1 48	24 49	12 46	20 17	20 0	15 58	14 14	3 7
S 9	23 25	16 55	4 16	19 37	3 53	20 20	0 50	19 16	1 18	21 52	0 27	8 36	2 34	5 0	0 38	9 3	1 48	24 48	12 45	20 18	20 1	15 57	14 13	3 7
S 10	23 27	19 38	3 25	19 25	4 4	20 35	0 48	19 6	1 17	21 54	0 26	8 35	2 34	5 0	0 38	9 4	1 48	24 47	12 45	20 19	20 2	15 56	14 12	3 7
M11	23 29	21 10	2 20	19 15	4 13	20 50	0 46	18 56	1 17	21 56	0 26	8 35	2 34	5 0	0 38	9 4	1 48	24 47	12 45	20 20	20 2	15 54	14 12	3 7
T 12	23 30	21 19	1 5	19 5	4 22	21 4	0 43	18 46	1 16	21 58	0 26	8 35	2 33	5 0	0 38	9 5	1 48	24 46	12 45	20 21	20 3	15 53	14 11	3 7
W13	23 31	20 0	0s15	18 57	4 28	21 18	0 41	18 35	1 16	22 0	0 26	8 35	2 33	5 0	0 38	9 5	1 48	24 45	12 44	20 21	20 4	15 51	14 10	3 7
T 14	23 32	17 21	1 34	18 50	4 34	21 31	0 39	18 24	1 15	22 1	0 26	8 34	2 33	5 0	0 38	9 5	1 48	24 45	12 44	20 21	20 5	15 50	14 9	3 7
F 15	23 32	13 38	2 46	18 45	4 38	21 43	0 36	18 14	1 15	22 3	0 26	8 34	2 33	5 0	0 37	9 6	1 48	24 44	12 44	20 20	20 5	15 49	14 8	3 7
S 16	23 32	9 9	3 47	18 41	4 40	21 55	0 34	18 3	1 14	22 5	0 26	8 34	2 32	5 0	0 37	9 6	1 48	24 43	12 44	20 20	20 6	15 47	14 8	3 7
S 17	23 32	4 16	4 33	18 39	4 40	22 6	0 31	17 52	1 14	22 7	0 26	8 34	2 32	5 0	0 37	9 7	1 48	24 42	12 43	20 20	20 7	15 46	14 7	3 7
M18	23 31	0n46	5 2	18 39	4 40	22 17	0 29	17 41	1 13	22 8	0 26	8 34	2 32	5 0	0 37	9 7	1 48	24 42	12 43	20 20	20 7	15 44	14 7	3 7
T 19	23 29	5 40	5 14	18 40	4 37	22 27	0 26	17 29	1 13	22 10	0 26	8 34	2 32	5 0	0 37	9 7	1 48	24 41	12 43	20 20	20 8	15 43	14 6	3 7
W20	23 27	10 12	5 8	18 43	4 34	22 36	0 24	17 18	1 13	22 12	0 26	8 34	2 31	5 1	0 37	9 8	1 48	24 40	12 43	20 21	20 9	15 41	14 5	3 7
T 21	23 25	14 11	4 46	18 48	4 29	22 45	0 21	17 6	1 12	22 13	0 26	8 34	2 31	5 1	0 37	9 8	1 48	24 40	12 42	20 21	20 9	15 40	14 5	3 7
F 22	23 23	17 25	4 10	18 54	4 23	22 53	0 19	16 55	1 12	22 15	0 26	8 34	2 31	5 1	0 37	9 8	1 48	24 39	12 42	20 22	20 10	15 38	14 4	3 7
S 23	23 19	19 45	3 22	19 1	4 15	23 0	0 16	16 43	1 11	22 16	0 26	8 35	2 30	5 1	0 37	9 9	1 48	24 38	12 42	20 23	20 11	15 37	14 4	3 7
S 24	23 16	21 6	2 25	19 10	4 7	23 7	0 14	16 31	1 11	22 18	0 25	8 35	2 30	5 1	0 37	9 9	1 48	24 37	12 42	20 23	20 11	15 36	14 3	3 7
M25	23 12	21 25	1 23	19 20	3 58	23 13	0 11	16 19	1 10	22 19	0 25	8 35	2 30	5 1	0 37	9 9	1 49	24 37	12 42	20 24	20 12	15 34	14 3	3 7
T 26	23 8	20 44	0 17	19 32	3 47	23 19	0 9	16 7	1 10	22 21	0 25	8 35	2 30	5 2	0 37	9 10	1 49	24 36	12 41	20 24	20 13	15 33	14 2	3 7
W27	23 3	19 6	0n49	19 44	3 36	23 23	0 6	15 55	1 9	22 22	0 25	8 36	2 29	5 2	0 37	9 10	1 49	24 35	12 41	20 24	20 13	15 31	14 2	3 7
T 28	22 58	16 39	1 52	19 57	3 25	23 27	0 4	15 43	1 9	22 24	0 25	8 36	2 29	5 2	0 37	9 10	1 49	24 34	12 41	20 24	20 14	15 30	14 2	3 7
F 29	22 53	13 32	2 51	20 11	3 12	23 31	0 1	15 31	1 8	22 25	0 25	8 36	2 29	5 3	0 37	9 11	1 49	24 34	12 41	20 23	20 15	15 28	14 1	3 7
S 30	22n47	9n53	3n42	20n26	3s 0	23n33	0n 1	15n18	1n 8	22n27	0s25	8s37	2n29	5s 3	0n37	9n11	1s49	24n33	12n41	20n23	20n15	15n27	14s 1	3n 7

Julian Day Number = 2166083.5, Delta T = 12m44s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'30, Lahiri = 12°57'30 Julian Calendar 1 June 1218 == Greg. Calendar 8 June 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

JULY 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 2 43	15♋ 9'19	25♍29	25♊11	1♋28	22♌37	16♊47	28♎20	14♎12	28♈12	26♌40	29♋18	29♋50	24♌34	17°R 4	S 1
M 2	19 6 40	16° 6'34	7♎32	26° 2	2°41	23°14	17° 0	28°21	14°12	28°13	26°41	29°19	29°47	24°41	17♏ 3	M 2
T 3	19 10 36	17° 3'49	19°49	26°58	3°55	23°51	17°12	28°21	14°13	28°14	26°43	29°R19	29°44	24°47	17° 2	T 3
W 4	19 14 33	18° 1'05	2♏24	28° 0	5° 8	24°28	17°25	28°22	14°14	28°14	26°45	29°19	29°41	24°54	17° 2	W 4
T 5	19 18 29	18°58'21	15°22	29° 7	6°22	25° 6	17°38	28°23	14°15	28°15	26°46	29°18	29°38	25° 0	17° 1	T 5
F 6	19 22 26	19°55'37	28°44	0♋19	7°35	25°43	17°51	28°24	14°16	28°16	26°48	29°17	29°34	25° 7	17° 0	F 6
S 7	19 26 23	20°52'54	12♐33	1°35	8°49	26°20	18° 3	28°25	14°17	28°16	26°50	29°16	29°31	25°14	17° 0	S 7
S 8	19 30 19	21°50'11	26°47	2°56	10° 3	26°57	18°16	28°26	14°19	28°17	26°51	29°15	29°28	25°20	16°59	S 8
M 9	19 34 16	22°47'29	11♑23	4°22	11°16	27°35	18°28	28°28	14°20	28°17	26°53	29°14	29°25	25°27	16°59	M 9
T 10	19 38 12	23°44'48	26°15	5°53	12°30	28°12	18°41	28°29	14°21	28°18	26°55	29°D14	29°22	25°34	16°59	T 10
W11	19 42 9	24°42'08	11♒15	7°28	13°43	28°49	18°53	28°30	14°22	28°18	26°57	29°14	29°19	25°40	16°D59	W11
T 12	19 46 5	25°39'28	26°15	9° 6	14°57	29°27	19° 6	28°32	14°24	28°19	26°59	29°14	29°15	25°47	16°59	T 12
F 13	19 50 2	26°36'50	11♓ 8	10°49	16°11	0♍ 4	19°18	28°34	14°25	28°19	27° 0	29°15	29°12	25°54	16°59	F 13
S 14	19 53 58	27°34'12	25°46	12°35	17°25	0°42	19°30	28°35	14°27	28°20	27° 2	29°15	29° 9	26° 0	16°59	S 14
S 15	19 57 55	28°31'36	10♈ 5	14°25	18°38	1°19	19°42	28°37	14°28	28°20	27° 4	29°15	29° 6	26° 7	16°59	S 15
M16	20 1 52	29°29'01	24° 2	16°17	19°52	1°57	19°54	28°39	14°30	28°20	27° 6	29°15	29° 3	26°14	17° 0	M16
T 17	20 5 48	0♌26'27	7♉37	18°12	21° 6	2°34	20° 6	28°41	14°31	28°21	27° 8	29°15	28°59	26°20	17° 0	T 17
W18	20 9 45	1°23'54	20°50	20°10	22°20	3°12	20°18	28°43	14°33	28°21	27°10	29°15	28°56	26°27	17° 1	W18
T 19	20 13 41	2°21'23	3♊45	22° 9	23°34	3°50	20°30	28°46	14°35	28°21	27°12	29°15	28°53	26°34	17° 2	T 19
F 20	20 17 38	3°18'54	16°22	24° 9	24°48	4°27	20°42	28°48	14°36	28°21	27°13	29°16	28°50	26°40	17° 2	F 20
S 21	20 21 34	4°16'25	28°46	26°11	26° 1	5° 5	20°54	28°50	14°38	28°22	27°15	29°16	28°47	26°47	17° 3	S 21
S 22	20 25 31	5°13'58	10♋58	28°14	27°15	5°43	21° 6	28°53	14°40	28°22	27°17	29°17	28°44	26°54	17° 4	S 22
M23	20 29 27	6°11'32	23° 0	0♌17	28°29	6°21	21°17	28°55	14°42	28°22	27°19	29°17	28°40	27° 0	17° 6	M23
T 24	20 33 24	7° 9'08	4♌56	2°21	29°43	6°59	21°29	28°58	14°44	28°22	27°21	29°R17	28°37	27° 7	17° 7	T 24
W25	20 37 21	8° 6'44	16°47	4°24	0♌57	7°37	21°40	29° 1	14°46	28°22	27°23	29°17	28°34	27°14	17° 8	W25
T 26	20 41 17	9° 4'22	28°35	6°27	2°11	8°15	21°52	29° 4	14°48	28°R22	27°25	29°16	28°31	27°20	17° 9	T 26
F 27	20 45 14	10° 2'01	10♍24	8°29	3°26	8°53	22° 3	29° 7	14°50	28°22	27°27	29°14	28°28	27°27	17°11	F 27
S 28	20 49 10	10°59'41	22°14	10°31	4°40	9°31	22°14	29°10	14°52	28°22	27°29	29°13	28°25	27°34	17°13	S 28
S 29	20 53 7	11°57'22	4♎ 9	12°32	5°54	10° 9	22°25	29°13	14°54	28°22	27°31	29°11	28°21	27°40	17°14	S 29
M30	20 57 3	12°55'04	16°14	14°32	7° 8	10°47	22°36	29°16	14°56	28°22	27°33	29° 9	28°18	27°47	17°16	M30
T 31	21 1 0	13♌52'48	28♎30	16♌31	8♌22	11♍25	22♊47	29♎19	14♎58	28♈21	27♌35	29♋ 8	28♋15	27♌54	17♏18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n40	5n50	4n24	20n41	2s46	23n35	0n 4	15n 6	1n 7	22n28	0s25	8s37	2n28	5s 3	0n37	9n11	1s49	24n32	12n40	20n23	20n16	15n25	14s 1	3n 7	
M 2	22 34	1 30	4 55	20 56	2 33	23 37	0 6	14 53	1 7	22 29	0 25	8 37	2 28	5 4	0 37	9 11	1 49	24 31	12 40	20 23	20 17	15 24	14 1	3 7	
T 3	22 27	2s57	5 13	21 12	2 19	23 37	0 8	14 40	1 6	22 31	0 25	8 38	2 28	5 4	0 37	9 11	1 49	24 31	12 40	20 23	20 18	15 22	14 0	3 7	
W 4	22 19	7 24	5 17	21 27	2 5	23 37	0 11	14 27	1 6	22 32	0 25	8 39	2 28	5 4	0 37	9 12	1 49	24 30	12 40	20 23	20 18	15 21	14 0	3 7	
T 5	22 11	11 39	5 5	21 42	1 50	23 36	0 13	14 14	1 5	22 33	0 25	8 39	2 27	5 5	0 37	9 12	1 49	24 29	12 40	20 23	20 19	15 19	14 0	3 7	
F 6	22 3	15 28	4 36	21 56	1 36	23 35	0 16	14 1	1 5	22 34	0 25	8 40	2 27	5 5	0 37	9 12	1 49	24 28	12 40	20 23	20 20	15 18	14 0	3 7	
S 7	21 55	18 34	3 51	22 10	1 22	23 33	0 18	13 48	1 4	22 36	0 25	8 40	2 27	5 6	0 37	9 12	1 49	24 28	12 39	20 23	20 20	15 16	14 0	3 7	
S 8	21 46	20 39	2 51	22 23	1 8	23 30	0 20	13 35	1 4	22 37	0 25	8 41	2 26	5 6	0 37	9 12	1 49	24 27	12 39	20 24	20 21	15 15	14 0	3 7	
M 9	21 36	21 26	1 38	22 34	0 54	23 26	0 23	13 21	1 3	22 38	0 24	8 42	2 26	5 7	0 37	9 12	1 49	24 26	12 39	20 24	20 22	15 13	14 0	3 6	
T 10	21 27	20 43	0 17	22 45	0 40	23 22	0 25	13 8	1 3	22 39	0 24	8 42	2 26	5 7	0 36	9 13	1 49	24 25	12 39	20 24	20 22	15 12	14 0	3 6	
W11	21 16	18 32	1s 6	22 54	0 26	23 17	0 27	12 55	1 3	22 40	0 24	8 43	2 26	5 8	0 36	9 13	1 50	24 25	12 39	20 24	20 23	15 10	14 0	3 6	
T 12	21 6	15 5	2 25	23 0	0 13	23 11	0 30	12 41	1 2	22 41	0 24	8 44	2 25	5 8	0 36	9 13	1 50	24 24	12 39	20 24	20 23	15 9	14 0	3 6	
F 13	20 55	10 42	3 32	23 5	0 0	23 5	0 32	12 27	1 2	22 42	0 24	8 45	2 25	5 9	0 36	9 13	1 50	24 23	12 39	20 24	20 24	15 7	14 0	3 6	
S 14	20 44	5 45	4 25	23 8	0n12	22 58	0 34	12 13	1 1	22 43	0 24	8 46	2 25	5 10	0 36	9 13	1 50	24 22	12 38	20 24	20 25	15 6	14 0	3 6	
S 15	20 33	0 36	5 0	23 9	0 23	22 50	0 36	12 0	1 1	22 44	0 24	8 47	2 25	5 10	0 36	9 13	1 50	24 22	12 38	20 24	20 25	15 4	14 0	3 6	
M16	20 21	4n27	5 16	23 7	0 34	22 42	0 38	11 46	1 0	22 45	0 24	8 48	2 24	5 11	0 36	9 13	1 50	24 21	12 38	20 24	20 26	15 2	14 1	3 6	
T 17	20 8	9 9	5 14	23 2	0 45	22 33	0 41	11 32	1 0	22 46	0 24	8 49	2 24	5 11	0 36	9 13	1 50	24 20	12 38	20 24	20 27	15 1	14 1	3 6	
W18	19 56	13 17	4 56	22 55	0 54	22 23	0 43	11 18	0 59	22 47	0 24	8 50	2 24	5 12	0 36	9 13	1 50	24 19	12 38	20 24	20 27	14 59	14 1	3 6	
T 19	19 43	16 42	4 22	22 45	1 3	22 13	0 45	11 3	0 59	22 48	0 24	8 51	2 24	5 13	0 36	9 13	1 50	24 18	12 38	20 24	20 28	14 58	14 1	3 6	
F 20	19 30	19 15	3 37	22 32	1 11	22 1	0 47	10 49	0 58	22 49	0 24	8 52	2 23	5 13	0 36	9 13	1 50	24 18	12 38	20 23	20 29	14 56	14 2	3 6	
S 21	19 16	20 50	2 42	22 17	1 18	21 50	0 49	10 35	0 58	22 50	0 24	8 53	2 23	5 14	0 36	9 13	1 50	24 17	12 38	20 23	20 29	14 55	14 2	3 6	
S 22	19 2	21 25	1 40	21 59	1 24	21 37	0 51	10 20	0 57	22 51	0 24	8 54	2 23	5 15	0 36	9 13	1 50	24 16	12 38	20 23	20 30	14 53	14 2	3 5	
M23	18 48	21 0	0 35	21 38	1 30	21 24	0 53	10 6	0 57	22 52	0 24	8 55	2 22	5 16	0 36	9 13	1 50	24 15	12 38	20 23	20 31	14 51	14 3	3 5	
T 24	18 34	19 37	0n31	21 15	1 35	21 11	0 54	9 51	0 56	22 52	0 24	8 56	2 22	5 17	0 36	9 13	1 50	24 15	12 37	20 23	20 31	14 50	14 3	3 5	
W25	18 19	17 23	1 36	20 50	1 38	20 56	0 56	9 37	0 56	22 53	0 24	8 57	2 22	5 17	0 36	9 13	1 50	24 14	12 37	20 23	20 32	14 48	14 4	3 5	
T 26	18 4	14 26	2 36	20 23	1 41	20 42	0 58	9 22	0 55	22 54	0 23	8 59	2 22	5 18	0 36	9 13	1 50	24 13	12 37	20 23	20 33	14 47	14 4	3 5	
F 27	17 48	10 55	3 29	19 53	1 44	20 26	1 0	9 7	0 55	22 55	0 23	9 0	2 21	5 19	0 36	9 13	1 51	24 12	12 37	20 24	20 33	14 45	14 5	3 5	
S 28	17 33	6 58	4 13	19 22	1 45	20 10	1 1	8 52	0 54	22 55	0 23	9 1	2 21	5 20	0 36	9 13	1 51	24 12	12 37	20 24	20 34	14 44	14 5	3 5	
S 29	17 17	2 44	4 47	18 49	1 46	19 54	1 3	8 37	0 54	22 56	0 23	9 3	2 21	5 21	0 36	9 13	1 51	24 11	12 37	20 24	20 35	14 42	14 6	3 5	
M30	17 0	1s40	5 8	18 14	1 46	19 36	1 4	8 22	0 53	22 57	0 23	9 4	2 21	5 22	0 36	9 13	1 51	24 10	12 37	20 25	20 35	14 40	14 6	3 5	
T 31	16n44	6s 3	5n16	17n38	1n46	19n19	1n 6	8n 7	0n53	22n57	0s23	9s 5	2n20	5s22	0n36	9n13	1s51	24n 9	12n37	20n25	20n36	14n39	14s 7	3n 5	

Julian Day Number = 2166113.5, Delta T = 12m44s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'34, Lahiri = 12°57'34 Julian Calendar 1 July 1218 == Greg. Calendar 8 July 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

AUGUST 1218 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 4 56	14♌50'32	11♏ 2	18♌29	9♌36	12♍ 3	22♊58	29♎22	15♎ 1	28°R21	27♌37	29°D 7	28♋12	28♌ 0	17♏20	W 1
T 2	21 8 53	15°48'18	23°55	20°25	10°50	12°42	23° 9	29°26	15° 3	28♈21	27°39	29♋ 8	28° 9	28° 7	17°22	T 2
F 3	21 12 50	16°46'05	7♐11	22°20	12° 5	13°20	23°19	29°29	15° 5	28°21	27°41	29° 8	28° 5	28°14	17°24	F 3
S 4	21 16 46	17°43'53	20°52	24°14	13°19	13°58	23°30	29°33	15° 8	28°20	27°43	29°10	28° 2	28°20	17°26	S 4
S 5	21 20 43	18°41'43	5♑ 1	26° 7	14°33	14°37	23°40	29°37	15°10	28°20	27°45	29°11	27°59	28°27	17°29	S 5
M 6	21 24 39	19°39'34	19°35	27°58	15°47	15°15	23°51	29°41	15°13	28°20	27°47	29°12	27°56	28°34	17°31	M 6
T 7	21 28 36	20°37'26	4♒29	29°48	17° 2	15°54	24° 1	29°44	15°15	28°19	27°49	29°R12	27°53	28°40	17°34	T 7
W 8	21 32 32	21°35'19	19°39	1♍37	18°16	16°32	24°11	29°48	15°18	28°19	27°51	29°11	27°50	28°47	17°37	W 8
T 9	21 36 29	22°33'15	4♓53	3°24	19°30	17°11	24°21	29°52	15°20	28°19	27°54	29° 9	27°46	28°54	17°39	T 9
F 10	21 40 25	23°31'11	20° 2	5°10	20°45	17°49	24°31	29°56	15°23	28°18	27°56	29° 6	27°43	29° 0	17°42	F 10
S 11	21 44 22	24°29'10	4♈57	6°55	21°59	18°28	24°41	0♏ 1	15°26	28°18	27°58	29° 3	27°40	29° 7	17°45	S 11
S 12	21 48 19	25°27'10	19°31	8°38	23°14	19° 7	24°51	0° 5	15°28	28°17	28° 0	28°59	27°37	29°14	17°48	S 12
M13	21 52 15	26°25'12	3♉38	10°21	24°28	19°45	25° 1	0° 9	15°31	28°16	28° 2	28°57	27°34	29°20	17°51	M13
T 14	21 56 12	27°23'17	17°18	12° 1	25°42	20°24	25°10	0°13	15°34	28°16	28° 4	28°55	27°31	29°27	17°54	T 14
W15	22 0 8	28°21'23	0♊31	13°41	26°57	21° 3	25°20	0°18	15°37	28°15	28° 6	28°D55	27°27	29°34	17°58	W15
T 16	22 4 5	29°19'31	13°21	15°20	28°11	21°42	25°29	0°22	15°40	28°15	28° 8	28°56	27°24	29°40	18° 1	T 16
F 17	22 8 1	0♍17'42	25°50	16°57	29°26	22°21	25°38	0°27	15°43	28°14	28°10	28°57	27°21	29°47	18° 5	F 17
S 18	22 11 58	1°15'54	8♋ 4	18°33	0♍41	23° 0	25°47	0°32	15°45	28°13	28°12	28°59	27°18	29°54	18° 8	S 18
S 19	22 15 54	2°14'09	20° 6	20° 8	1°55	23°39	25°56	0°36	15°48	28°12	28°14	29° 0	27°15	0♍ 0	18°12	S 19
M20	22 19 51	3°12'25	2♌ 0	21°41	3°10	24°18	26° 5	0°41	15°51	28°12	28°16	29°R 0	27°11	0° 7	18°15	M20
T 21	22 23 48	4°10'43	13°49	23°14	4°24	24°57	26°14	0°46	15°54	28°11	28°18	28°59	27° 8	0°14	18°19	T 21
W22	22 27 44	5° 9'03	25°37	24°45	5°39	25°36	26°22	0°51	15°57	28°10	28°20	28°56	27° 5	0°20	18°23	W22
T 23	22 31 41	6° 7'25	7♍26	26°15	6°53	26°15	26°31	0°56	16° 1	28° 9	28°22	28°52	27° 2	0°27	18°27	T 23
F 24	22 35 37	7° 5'49	19°17	27°44	8° 8	26°55	26°39	1° 1	16° 4	28° 8	28°24	28°45	26°59	0°34	18°31	F 24
S 25	22 39 34	8° 4'15	1♎13	29°12	9°23	27°34	26°47	1° 6	16° 7	28° 7	28°26	28°38	26°56	0°40	18°35	S 25
S 26	22 43 30	9° 2'43	13°15	0♎39	10°37	28°13	26°55	1°12	16°10	28° 6	28°29	28°31	26°52	0°47	18°40	S 26
M27	22 47 27	10° 1'12	25°25	2° 4	11°52	28°52	27° 3	1°17	16°13	28° 5	28°31	28°24	26°49	0°54	18°44	M27
T 28	22 51 23	10°59'43	7♏46	3°28	13° 7	29°32	27°11	1°22	16°16	28° 4	28°33	28°18	26°46	1° 0	18°48	T 28
W29	22 55 20	11°58'16	20°20	4°51	14°22	0♎11	27°19	1°28	16°20	28° 3	28°35	28°14	26°43	1° 7	18°53	W29
T 30	22 59 16	12°56'50	3♐10	6°13	15°36	0°51	27°26	1°33	16°23	28° 2	28°37	28°11	26°40	1°14	18°57	T 30
F 31	23 3 13	13♍55'26	16♐20	7♎33	16♍51	1♎30	27♊34	1♏38	16♎26	28♈ 1	28♌39	28°D11	26♋36	1♍20	19♏ 2	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16n27	10s18	5n10	17n 1	1n45	19n 0	1n 7	7n52	0n52	22n58	0s23	9s 7	2n20	5s23	0n36	9n12	1s51	24n 9	12n37	20n25	20n37	14n37	14s 7	3n 5	W 1
T 2	16 10	14 11	4 47	16 22	1 43	18 41	1 9	7 37	0 52	22 59	0 23	9 8	2 20	5 24	0 36	9 12	1 51	24 8	12 37	20 25	20 37	14 36	14 8	3 5	T 2
F 3	15 53	17 30	4 9	15 43	1 41	18 22	1 10	7 22	0 51	22 59	0 23	9 10	2 20	5 25	0 36	9 12	1 51	24 7	12 37	20 25	20 38	14 34	14 9	3 4	F 3
S 4	15 35	19 58	3 16	15 2	1 38	18 2	1 11	7 6	0 51	23 0	0 23	9 11	2 20	5 26	0 36	9 12	1 51	24 6	12 37	20 25	20 38	14 32	14 10	3 4	S 4
S 5	15 17	21 17	2 10	14 21	1 35	17 42	1 13	6 51	0 50	23 0	0 23	9 13	2 19	5 27	0 36	9 12	1 51	24 6	12 37	20 24	20 39	14 31	14 10	3 4	S 5
M 6	14 59	21 14	0 53	13 39	1 31	17 21	1 14	6 36	0 50	23 1	0 23	9 14	2 19	5 28	0 36	9 12	1 51	24 5	12 37	20 24	20 40	14 29	14 11	3 4	M 6
T 7	14 41	19 41	0s29	12 57	1 27	16 59	1 15	6 20	0 49	23 1	0 23	9 16	2 19	5 29	0 35	9 11	1 51	24 4	12 37	20 24	20 40	14 27	14 12	3 4	T 7
W 8	14 22	16 44	1 50	12 14	1 22	16 37	1 16	6 5	0 49	23 2	0 23	9 17	2 19	5 30	0 35	9 11	1 51	24 3	12 37	20 24	20 41	14 26	14 13	3 4	W 8
T 9	14 3	12 37	3 4	11 30	1 18	16 15	1 17	5 49	0 48	23 2	0 23	9 19	2 18	5 31	0 35	9 11	1 51	24 3	12 37	20 25	20 42	14 24	14 14	3 4	T 9
F 10	13 44	7 42	4 4	10 46	1 12	15 52	1 18	5 34	0 48	23 3	0 23	9 21	2 18	5 32	0 35	9 11	1 51	24 2	12 37	20 25	20 42	14 22	14 14	3 4	F 10
S 11	13 25	2 25	4 47	10 3	1 7	15 29	1 19	5 18	0 47	23 3	0 23	9 22	2 18	5 33	0 35	9 11	1 51	24 1	12 37	20 26	20 43	14 21	14 15	3 4	S 11
S 12	13 5	2n53	5 10	9 18	1 1	15 5	1 20	5 2	0 46	23 4	0 23	9 24	2 18	5 34	0 35	9 10	1 52	24 1	12 37	20 27	20 44	14 19	14 16	3 4	S 12
M13	12 46	7 52	5 13	8 34	0 55	14 41	1 20	4 47	0 46	23 4	0 23	9 26	2 17	5 35	0 35	9 10	1 52	24 0	12 37	20 27	20 44	14 18	14 17	3 4	M13
T 14	12 26	12 18	4 58	7 50	0 49	14 17	1 21	4 31	0 45	23 5	0 22	9 27	2 17	5 37	0 35	9 10	1 52	23 59	12 37	20 28	20 45	14 16	14 18	3 3	T 14
W15	12 6	15 59	4 28	7 5	0 42	13 52	1 22	4 15	0 45	23 5	0 22	9 29	2 17	5 38	0 35	9 10	1 52	23 59	12 38	20 28	20 45	14 14	14 19	3 3	W15
T 16	11 45	18 47	3 45	6 21	0 35	13 26	1 22	3 59	0 44	23 5	0 22	9 31	2 17	5 39	0 35	9 9	1 52	23 58	12 38	20 28	20 46	14 13	14 20	3 3	T 16
F 17	11 25	20 37	2 52	5 37	0 28	13 1	1 23	3 43	0 44	23 6	0 22	9 33	2 17	5 40	0 35	9 9	1 52	23 57	12 38	20 27	20 47	14 11	14 21	3 3	F 17
S 18	11 4	21 26	1 52	4 52	0 21	12 35	1 23	3 27	0 43	23 6	0 22	9 35	2 16	5 41	0 35	9 9	1 52	23 56	12 38	20 27	20 47	14 9	14 22	3 3	S 18
S 19	10 43	21 14	0 49	4 8	0 14	12 8	1 24	3 11	0 43	23 6	0 22	9 36	2 16	5 42	0 35	9 8	1 52	23 56	12 38	20 27	20 48	14 8	14 23	3 3	S 19
M20	10 22	20 4	0n16	3 24	0 6	11 42	1 24	2 55	0 42	23 7	0 22	9 38	2 16	5 43	0 35	9 8	1 52	23 55	12 38	20 27	20 49	14 6	14 24	3 3	M20
T 21	10 1	18 1	1 20	2 41	0s 1	11 15	1 24	2 39	0 42	23 7	0 22	9 40	2 16	5 45	0 35	9 8	1 52	23 55	12 38	20 27	20 49	14 4	14 25	3 3	T 21
W22	9 40	15 14	2 20	1 57	0 9	10 47	1 25	2 23	0 41	23 7	0 22	9 42	2 16	5 46	0 35	9 7	1 52	23 54	12 38	20 27	20 50	14 2	14 27	3 3	W22
T 23	9 18	11 49	3 14	1 14	0 17	10 20	1 25	2 7	0 41	23 8	0 22	9 44	2 15	5 47	0 35	9 7	1 52	23 53	12 38	20 28	20 50	14 1	14 28	3 3	T 23
F 24	8 57	7 56	4 0	0 32	0 24	9 52	1 25	1 51	0 40	23 8	0 22	9 46	2 15	5 48	0 35	9 7	1 52	23 53	12 38	20 30	20 51	13 59	14 29	3 3	F 24
S 25	8 35	3 43	4 35	0s11	0 32	9 24	1 25	1 35	0 40	23 8	0 22	9 48	2 15	5 50	0 35	9 6	1 52	23 52	12 38	20 31	20 52	13 57	14 30	3 3	S 25
S 26	8 13	0s40	4 58	0 52	0 40	8 55	1 25	1 19	0 39	23 8	0 22	9 50	2 15	5 51	0 35	9 6	1 52	23 51	12 39	20 33	20 52	13 56	14 31	3 3	S 26
M27	7 51	5 5	5 9	1 34	0 48	8 26	1 25	1 2	0 39	23 9	0 22	9 52	2 15	5 52	0 35	9 5	1 52	23 51	12 39	20 34	20 53	13 54	14 33	3 3	M27
T 28	7 28	9 21	5 5	2 15	0 56	7 58	1 24	0 46	0 38	23 9	0 22	9 54	2 14	5 53	0 35	9 5	1 52	23 50	12 39	20 35	20 53	13 52	14 34	3 2	T 28
W29	7 6	13 18	4 47	2 55	1 4	7 28	1 24	0 30	0 38	23 9	0 22	9 56	2 14	5 55	0 35	9 5	1 52	23 50	12 39	20 36	20 54	13 51	14 35	3 2	W29
T 30	6 44	16 44	4 14	3 35	1 12	6 59	1 24	0 14	0 37	23 9	0 22	9 58	2 14	5 56	0 35	9 4	1 52	23 49	12 39	20 37	20 55	13 49	14 36	3 2	T 30
F 31	6n21	19s24	3n27	4s14	1s21	6n30	1n23	0s 3	0n36	23n 9	0s22	10s 0	2n14	5s57	0n35	9n 4	1s53	23n48	12n39	20n37	20n55	13n47	14s38	3n 2	F 31

Julian Day Number = 2166144.5, Delta T = 12m44s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'38, Lahiri = 12°57'39 Julian Calendar 1 Aug. 1218 == Greg. Calendar 8 Aug. 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

SEPTEMBER 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 10	14♍54'04	29♐52	8♎52	18♍ 6	2♎10	27♊41	1♏44	16♎30	28°R 0	28♌41	28♋12	26♋33	1♍27	19♏ 7	S 1
S 2	23 11 6	15°52'44	13♑48	10° 9	19°20	2°50	27°48	1°50	16°33	27♈59	28°43	28°13	26°30	1°34	19°11	S 2
M 3	23 15 3	16°51'25	28° 9	11°25	20°35	3°29	27°55	1°55	16°36	27°58	28°45	28°R14	26°27	1°40	19°16	M 3
T 4	23 18 59	17°50'08	12♒52	12°40	21°50	4° 9	28° 2	2° 1	16°40	27°57	28°47	28°13	26°24	1°47	19°21	T 4
W 5	23 22 56	18°48'53	27°54	13°52	23° 5	4°49	28° 8	2° 7	16°43	27°55	28°49	28°10	26°21	1°54	19°26	W 5
T 6	23 26 52	19°47'40	13♓ 6	15° 4	24°20	5°29	28°15	2°13	16°47	27°54	28°51	28° 5	26°17	2° 0	19°31	T 6
F 7	23 30 49	20°46'29	28°19	16°13	25°34	6° 9	28°21	2°19	16°50	27°53	28°53	27°57	26°14	2° 7	19°36	F 7
S 8	23 34 45	21°45'19	13♈21	17°20	26°49	6°48	28°27	2°25	16°53	27°52	28°54	27°49	26°11	2°14	19°41	S 8
S 9	23 38 42	22°44'12	28° 4	18°25	28° 4	7°28	28°34	2°31	16°57	27°50	28°56	27°41	26° 8	2°20	19°47	S 9
M10	23 42 39	23°43'07	12♉21	19°28	29°19	8° 8	28°39	2°37	17° 1	27°49	28°58	27°34	26° 5	2°27	19°52	M10
T 11	23 46 35	24°42'05	26° 9	20°29	0♎34	8°48	28°45	2°43	17° 4	27°48	29° 0	27°28	26° 2	2°34	19°57	T 11
W12	23 50 32	25°41'05	9♊28	21°27	1°48	9°29	28°51	2°49	17° 8	27°46	29° 2	27°24	25°58	2°40	20° 3	W12
T 13	23 54 28	26°40'07	22°19	22°22	3° 3	10° 9	28°56	2°55	17°11	27°45	29° 4	27°D23	25°55	2°47	20° 8	T 13
F 14	23 58 25	27°39'12	4♋48	23°14	4°18	10°49	29° 1	3° 1	17°15	27°43	29° 6	27°23	25°52	2°54	20°14	F 14
S 15	0 2 21	28°38'19	16°58	24° 3	5°33	11°29	29° 6	3° 7	17°18	27°42	29° 8	27°24	25°49	3° 0	20°20	S 15
S 16	0 6 18	29°37'28	28°56	24°49	6°48	12° 9	29°11	3°14	17°22	27°41	29°10	27°R24	25°46	3° 7	20°25	S 16
M17	0 10 14	0♎36'39	10♌47	25°30	8° 3	12°50	29°16	3°20	17°26	27°39	29°11	27°23	25°42	3°14	20°31	M17
T 18	0 14 11	1°35'53	22°34	26° 7	9°18	13°30	29°20	3°26	17°29	27°38	29°13	27°20	25°39	3°20	20°37	T 18
W19	0 18 8	2°35'09	4♍22	26°40	10°33	14°11	29°25	3°33	17°33	27°36	29°15	27°14	25°36	3°27	20°43	W19
T 20	0 22 4	3°34'27	16°14	27° 7	11°48	14°51	29°29	3°39	17°37	27°35	29°17	27° 6	25°33	3°34	20°49	T 20
F 21	0 26 1	4°33'48	28°11	27°29	13° 2	15°32	29°33	3°46	17°40	27°33	29°19	26°55	25°30	3°40	20°55	F 21
S 22	0 29 57	5°33'10	10♎16	27°45	14°17	16°12	29°37	3°52	17°44	27°32	29°20	26°42	25°27	3°47	21° 1	S 22
S 23	0 33 54	6°32'35	22°30	27°54	15°32	16°53	29°40	3°59	17°48	27°30	29°22	26°29	25°23	3°54	21° 7	S 23
M24	0 37 50	7°32'01	4♏52	27°R56	16°47	17°34	29°44	4° 6	17°51	27°29	29°24	26°17	25°20	4° 1	21°13	M24
T 25	0 41 47	8°31'30	17°25	27°51	18° 2	18°14	29°47	4°12	17°55	27°27	29°25	26° 6	25°17	4° 7	21°20	T 25
W26	0 45 43	9°31'00	0♐ 9	27°38	19°17	18°55	29°50	4°19	17°59	27°25	29°27	25°58	25°14	4°14	21°26	W26
T 27	0 49 40	10°30'33	13° 6	27°17	20°32	19°36	29°53	4°26	18° 3	27°24	29°29	25°52	25°11	4°21	21°32	T 27
F 28	0 53 36	11°30'07	26°16	26°47	21°47	20°17	29°56	4°32	18° 6	27°22	29°30	25°49	25° 8	4°27	21°39	F 28
S 29	0 57 33	12°29'43	9♑44	26° 8	23° 2	20°58	29°58	4°39	18°10	27°21	29°32	25°D49	25° 4	4°34	21°45	S 29
S 30	1 1 30	13♎29'21	23♑30	25♎21	24♎17	21♎39	0♋ 1	4♏46	18♎14	27♈19	29♌34	25°R49	25♋ 1	4♍41	21♏52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5n58	21s 5	2n27	4s53	1s29	6n 0	1n23	0s19	0n36	23n10	0s22	10s 2	2n14	5s58	0n35	9n 3	1s53	23n48	12n40	20n37	20n56	13n45	14s39	3n 2	S 1
S 2	5 35	21 33	1 17	5 31	1 36	5 30	1 22	0 35	0 35	23 10	0 22	10 4	2 14	6 0	0 35	9 3	1 53	23 47	12 40	20 36	20 56	13 44	14 40	3 2	S 2
M 3	5 13	20 37	0 0	6 8	1 44	5 0	1 22	0 52	0 35	23 10	0 21	10 6	2 13	6 1	0 35	9 2	1 53	23 47	12 40	20 36	20 57	13 42	14 42	3 2	M 3
T 4	4 50	18 16	1s18	6 44	1 52	4 30	1 21	1 8	0 34	23 10	0 21	10 8	2 13	6 2	0 35	9 2	1 53	23 46	12 40	20 36	20 58	13 40	14 43	3 2	T 4
W 5	4 27	14 38	2 33	7 20	2 0	3 59	1 20	1 24	0 34	23 10	0 21	10 11	2 13	6 4	0 35	9 1	1 53	23 46	12 40	20 37	20 58	13 38	14 44	3 2	W 5
T 6	4 3	10 1	3 37	7 55	2 7	3 29	1 20	1 41	0 33	23 10	0 21	10 13	2 13	6 5	0 35	9 1	1 53	23 45	12 40	20 38	20 59	13 37	14 46	3 2	T 6
F 7	3 40	4 45	4 26	8 28	2 15	2 58	1 19	1 57	0 33	23 10	0 21	10 15	2 13	6 6	0 35	9 0	1 53	23 45	12 41	20 39	21 0	13 35	14 47	3 2	F 7
S 8	3 17	0n44	4 56	9 1	2 22	2 28	1 18	2 13	0 32	23 11	0 21	10 17	2 13	6 8	0 35	9 0	1 53	23 44	12 41	20 41	21 0	13 33	14 49	3 2	S 8
S 9	2 54	6 4	5 6	9 33	2 29	1 57	1 17	2 30	0 32	23 11	0 21	10 19	2 12	6 9	0 35	9 0	1 53	23 43	12 41	20 43	21 1	13 31	14 50	3 2	S 9
M10	2 30	10 55	4 56	10 3	2 36	1 26	1 16	2 46	0 31	23 11	0 21	10 22	2 12	6 11	0 35	8 59	1 53	23 43	12 41	20 44	21 1	13 30	14 52	3 2	M10
T 11	2 7	15 1	4 29	10 32	2 43	0 55	1 15	3 2	0 30	23 11	0 21	10 24	2 12	6 12	0 35	8 58	1 53	23 43	12 42	20 45	21 2	13 28	14 53	3 2	T 11
W12	1 43	18 12	3 48	11 0	2 49	0 24	1 14	3 19	0 30	23 11	0 21	10 26	2 12	6 13	0 35	8 58	1 53	23 42	12 42	20 46	21 3	13 26	14 55	3 2	W12
T 13	1 20	20 23	2 56	11 27	2 55	0s 7	1 13	3 35	0 29	23 11	0 21	10 28	2 12	6 15	0 35	8 57	1 53	23 42	12 42	20 46	21 3	13 24	14 56	3 2	T 13
F 14	0 56	21 29	1 58	11 52	3 1	0 38	1 11	3 51	0 29	23 11	0 21	10 30	2 12	6 16	0 35	8 57	1 53	23 41	12 42	20 46	21 4	13 23	14 58	3 2	F 14
S 15	0 33	21 32	0 56	12 15	3 6	1 9	1 10	4 8	0 28	23 11	0 21	10 33	2 12	6 17	0 35	8 56	1 53	23 41	12 43	20 46	21 4	13 21	14 59	3 2	S 15
S 16	0 9	20 35	0n 8	12 36	3 11	1 40	1 9	4 24	0 28	23 11	0 21	10 35	2 11	6 19	0 35	8 56	1 53	23 40	12 43	20 46	21 5	13 19	15 1	3 2	S 16
M17	0s15	18 44	1 11	12 55	3 15	2 10	1 7	4 40	0 27	23 12	0 21	10 37	2 11	6 20	0 35	8 55	1 53	23 40	12 43	20 46	21 5	13 17	15 2	3 2	M17
T 18	0 38	16 6	2 10	13 12	3 19	2 41	1 6	4 57	0 27	23 12	0 21	10 40	2 11	6 22	0 35	8 55	1 53	23 39	12 43	20 47	21 6	13 15	15 4	3 2	T 18
W19	1 2	12 48	3 4	13 27	3 22	3 12	1 4	5 13	0 26	23 12	0 21	10 42	2 11	6 23	0 35	8 54	1 53	23 39	12 44	20 48	21 7	13 14	15 5	3 2	W19
T 20	1 26	8 58	3 49	13 39	3 24	3 43	1 3	5 29	0 25	23 12	0 21	10 44	2 11	6 25	0 35	8 54	1 53	23 39	12 44	20 50	21 7	13 12	15 7	3 2	T 20
F 21	1 49	4 46	4 25	13 49	3 25	4 14	1 1	5 45	0 25	23 12	0 21	10 47	2 11	6 26	0 34	8 53	1 53	23 38	12 44	20 52	21 8	13 10	15 8	3 2	F 21
S 22	2 13	0 21	4 49	13 55	3 26	4 45	0 59	6 2	0 24	23 12	0 20	10 49	2 11	6 27	0 34	8 52	1 53	23 38	12 44	20 54	21 8	13 8	15 10	3 2	S 22
S 23	2 36	4s 8	5 1	13 58	3 26	5 15	0 58	6 18	0 24	23 12	0 20	10 51	2 11	6 29	0 34	8 52	1 53	23 37	12 45	20 57	21 9	13 6	15 11	3 2	S 23
M24	3 0	8 31	4 58	13 57	3 24	5 46	0 56	6 34	0 23	23 12	0 20	10 53	2 10	6 30	0 34	8 51	1 53	23 37	12 45	20 59	21 10	13 5	15 13	3 2	M24
T 25	3 24	12 36	4 41	13 53	3 21	6 16	0 54	6 50	0 23	23 12	0 20	10 56	2 10	6 32	0 34	8 51	1 53	23 37	12 45	21 1	21 10	13 3	15 15	3 2	T 25
W26	3 47	16 11	4 10	13 44	3 17	6 46	0 52	7 6	0 22	23 12	0 20	10 58	2 10	6 33	0 34	8 50	1 53	23 36	12 46	21 3	21 11	13 1	15 16	3 2	W26
T 27	4 11	19 4	3 26	13 31	3 11	7 16	0 50	7 22	0 21	23 12	0 20	11 1	2 10	6 35	0 34	8 50	1 53	23 36	12 46	21 4	21 11	12 59	15 18	3 2	T 27
F 28	4 34	21 0	2 30	13 13	3 3	7 46	0 48	7 38	0 21	23 12	0 20	11 3	2 10	6 36	0 34	8 49	1 53	23 36	12 46	21 4	21 12	12 57	15 20	3 2	F 28
S 29	4 57	21 47	1 24	12 50	2 54	8 16	0 47	7 54	0 20	23 12	0 20	11 5	2 10	6 37	0 34	8 48	1 53	23 36	12 47	21 4	21 12	12 55	15 21	3 2	S 29
S 30	5s21	21s17	0n12	12s22	2s43	8s46	0n44	8s10	0n20	23n12	0s20	11s 8	2n10	6s39	0n34	8n48	1s54	23n35	12n47	21n 4	21n13	12n54	15s23	3n 2	S 30

Julian Day Number = 2166175.5, Delta T = 12m44s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'43, Lahiri = 12°57'43 Julian Calendar 1 Sept. 1218 == Greg. Calendar 8 Sept. 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

OCTOBER 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 5 26	14♎29'00	7♒35	24°R26	25♎32	22♎20	0♋ 3	4♏53	18♎18	27°R17	29♌35	25°R48	24♋58	4♍47	21♏58	M 1
T 2	1 9 23	15°28'41	22° 1	23♎24	26°47	23° 1	0° 5	5° 0	18°21	27♈16	29°37	25♋46	24°55	4°54	22° 5	T 2
W 3	1 13 19	16°28'24	6♓43	22°16	28° 2	23°42	0° 7	5° 7	18°25	27°14	29°38	25°42	24°52	5° 1	22°11	W 3
T 4	1 17 16	17°28'09	21°37	21° 4	29°17	24°23	0° 8	5°13	18°29	27°12	29°40	25°34	24°48	5° 7	22°18	T 4
F 5	1 21 12	18°27'55	6♈36	19°48	0♏32	25° 4	0° 9	5°20	18°33	27°11	29°41	25°24	24°45	5°14	22°25	F 5
S 6	1 25 9	19°27'44	21°29	18°33	1°47	25°46	0°11	5°27	18°36	27° 9	29°43	25°13	24°42	5°21	22°31	S 6
S 7	1 29 5	20°27'34	6♉ 8	17°19	3° 1	26°27	0°12	5°34	18°40	27° 7	29°44	25° 1	24°39	5°27	22°38	S 7
M 8	1 33 2	21°27'27	20°26	16° 9	4°16	27° 8	0°12	5°41	18°44	27° 6	29°46	24°50	24°36	5°34	22°45	M 8
T 9	1 36 59	22°27'21	4♊16	15° 5	5°31	27°50	0°13	5°48	18°48	27° 4	29°47	24°42	24°33	5°41	22°52	T 9
W10	1 40 55	23°27'18	17°39	14°10	6°46	28°31	0°13	5°55	18°52	27° 2	29°49	24°35	24°29	5°47	22°59	W10
T 11	1 44 52	24°27'18	0♋35	13°24	8° 1	29°13	0°R14	6° 2	18°55	27° 1	29°50	24°32	24°26	5°54	23° 6	T 11
F 12	1 48 48	25°27'19	13° 6	12°49	9°16	29°54	0°13	6° 9	18°59	26°59	29°51	24°31	24°23	6° 1	23°13	F 12
S 13	1 52 45	26°27'22	25°19	12°25	10°31	0♏36	0°13	6°16	19° 3	26°57	29°53	24°30	24°20	6° 7	23°20	S 13
S 14	1 56 41	27°27'28	7♌18	12°13	11°46	1°18	0°13	6°23	19° 7	26°56	29°54	24°30	24°17	6°14	23°27	S 14
M15	2 0 38	28°27'36	19° 9	12°D12	13° 1	1°59	0°12	6°30	19°10	26°54	29°55	24°29	24°13	6°21	23°34	M15
T 16	2 4 34	29°27'46	0♍57	12°23	14°16	2°41	0°11	6°38	19°14	26°52	29°56	24°25	24°10	6°27	23°41	T 16
W17	2 8 31	0♏27'58	12°46	12°43	15°31	3°23	0°10	6°45	19°18	26°51	29°58	24°19	24° 7	6°34	23°48	W17
T 18	2 12 28	1°28'11	24°42	13°14	16°46	4° 5	0° 9	6°52	19°21	26°49	29°59	24°10	24° 4	6°41	23°55	T 18
F 19	2 16 24	2°28'27	6♎47	13°53	18° 1	4°47	0° 8	6°59	19°25	26°47	29°59	23°59	24° 1	6°47	24° 2	F 19
S 20	2 20 21	3°28'45	19° 2	14°40	19°16	5°29	0° 6	7° 6	19°29	26°46	0♍ 1	23°45	23°58	6°54	24° 9	S 20
S 21	2 24 17	4°29'05	1♏30	15°35	20°31	6°11	0° 4	7°13	19°33	26°44	0° 2	23°31	23°54	7° 1	24°17	S 21
M22	2 28 14	5°29'26	14°10	16°35	21°46	6°53	0° 2	7°20	19°36	26°42	0° 3	23°18	23°51	7° 8	24°24	M22
T 23	2 32 10	6°29'50	27° 1	17°41	23° 1	7°35	29♊59	7°27	19°40	26°41	0° 4	23° 6	23°48	7°14	24°31	T 23
W24	2 36 7	7°30'14	10♐ 4	18°51	24°16	8°17	29°58	7°35	19°44	26°39	0° 5	22°57	23°45	7°21	24°38	W24
T 25	2 40 3	8°30'41	23°17	20° 6	25°30	8°59	29°55	7°42	19°47	26°37	0° 6	22°51	23°42	7°28	24°46	T 25
F 26	2 44 0	9°31'09	6♑41	21°24	26°45	9°42	29°52	7°49	19°51	26°36	0° 7	22°48	23°39	7°34	24°53	F 26
S 27	2 47 57	10°31'38	20°16	22°45	28° 0	10°24	29°49	7°56	19°54	26°34	0° 8	22°D47	23°35	7°41	25° 0	S 27
S 28	2 51 53	11°32'09	4♒ 2	24° 8	29°15	11° 6	29°46	8° 3	19°58	26°32	0° 9	22°47	23°32	7°48	25° 8	S 28
M29	2 55 50	12°32'41	18° 1	25°33	0♐30	11°49	29°42	8°10	20° 2	26°31	0°10	22°R47	23°29	7°54	25°15	M29
T 30	2 59 46	13°33'14	2♓11	27° 0	1°45	12°31	29°39	8°17	20° 5	26°29	0°11	22°45	23°26	8° 1	25°23	T 30
W31	3 3 43	14♏33'48	16♓32	28♎29	3♐ 0	13♏14	29♊35	8♏24	20♎ 9	26♈28	0♍12	22♋42	23♋23	8♍ 8	25♏30	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s44	19s27	1s 2	11s50	2s30	9s15	0n42	8s26	0n19	23n12	0s20	11s10	2n10	6s40	0n34	8n47	1s54	23n35	12n47	21n 4	21n14	12n52	15s24	3n 2
T 2	6 7	16 20	2 14	11 13	2 15	9 44	0 40	8 42	0 19	23 13	0 20	11 12	2 10	6 42	0 34	8 47	1 54	23 35	12 48	21 5	21 14	12 50	15 26	3 2
W 3	6 30	12 9	3 18	10 33	1 59	10 13	0 38	8 58	0 18	23 13	0 20	11 15	2 10	6 43	0 34	8 46	1 54	23 34	12 48	21 6	21 15	12 48	15 28	3 2
T 4	6 53	7 10	4 10	9 49	1 41	10 42	0 36	9 13	0 17	23 13	0 20	11 17	2 9	6 45	0 34	8 45	1 54	23 34	12 48	21 7	21 15	12 46	15 29	3 2
F 5	7 16	1 44	4 45	9 2	1 22	11 11	0 34	9 29	0 17	23 13	0 20	11 19	2 9	6 46	0 34	8 45	1 54	23 34	12 49	21 9	21 16	12 44	15 31	3 2
S 6	7 39	3n47	5 0	8 15	1 2	11 39	0 32	9 45	0 16	23 13	0 20	11 22	2 9	6 48	0 34	8 44	1 54	23 34	12 49	21 11	21 16	12 43	15 33	3 2
S 7	8 2	8 59	4 55	7 27	0 41	12 7	0 29	10 0	0 16	23 13	0 20	11 24	2 9	6 49	0 34	8 44	1 54	23 34	12 49	21 13	21 17	12 41	15 34	3 2
M 8	8 24	13 34	4 31	6 41	0 20	12 34	0 27	10 16	0 15	23 13	0 19	11 27	2 9	6 50	0 34	8 43	1 54	23 33	12 50	21 15	21 18	12 39	15 36	3 2
T 9	8 47	17 17	3 52	5 58	0n 0	13 2	0 25	10 31	0 15	23 13	0 19	11 29	2 9	6 52	0 34	8 42	1 54	23 33	12 50	21 17	21 18	12 37	15 38	3 2
W10	9 9	19 57	3 2	5 18	0 20	13 29	0 22	10 47	0 14	23 13	0 19	11 31	2 9	6 53	0 34	8 42	1 54	23 33	12 50	21 18	21 19	12 35	15 39	3 2
T 11	9 31	21 29	2 3	4 44	0 38	13 56	0 20	11 2	0 13	23 13	0 19	11 34	2 9	6 55	0 34	8 41	1 54	23 33	12 51	21 18	21 19	12 33	15 41	3 2
F 12	9 53	21 54	1 0	4 14	0 55	14 22	0 18	11 17	0 13	23 13	0 19	11 36	2 9	6 56	0 34	8 40	1 54	23 33	12 51	21 19	21 20	12 31	15 43	3 2
S 13	10 15	21 14	0n 4	3 51	1 11	14 48	0 15	11 32	0 12	23 13	0 19	11 38	2 9	6 58	0 34	8 40	1 54	23 33	12 52	21 19	21 20	12 29	15 44	3 2
S 14	10 37	19 36	1 7	3 33	1 24	15 14	0 13	11 48	0 12	23 13	0 19	11 41	2 9	6 59	0 34	8 39	1 54	23 33	12 52	21 19	21 21	12 28	15 46	3 3
M15	10 58	17 9	2 6	3 22	1 36	15 39	0 10	12 3	0 11	23 13	0 19	11 43	2 9	7 0	0 34	8 39	1 54	23 32	12 52	21 19	21 22	12 26	15 48	3 3
T 16	11 20	13 59	3 0	3 16	1 47	16 4	0 8	12 18	0 10	23 13	0 19	11 46	2 9	7 2	0 34	8 38	1 54	23 32	12 53	21 19	21 22	12 24	15 49	3 3
W17	11 41	10 16	3 46	3 17	1 55	16 28	0 5	12 32	0 10	23 14	0 19	11 48	2 9	7 3	0 34	8 37	1 54	23 32	12 53	21 21	21 23	12 22	15 51	3 3
T 18	12 2	6 7	4 22	3 22	2 2	16 52	0 3	12 47	0 9	23 14	0 19	11 50	2 9	7 5	0 34	8 37	1 54	23 32	12 54	21 22	21 23	12 20	15 53	3 3
F 19	12 23	1 41	4 47	3 33	2 7	17 16	0 0	13 2	0 9	23 14	0 19	11 53	2 9	7 6	0 34	8 36	1 54	23 32	12 54	21 24	21 24	12 18	15 54	3 3
S 20	12 44	2s52	4 59	3 47	2 11	17 39	0s 2	13 17	0 8	23 14	0 19	11 55	2 8	7 7	0 34	8 36	1 54	23 32	12 54	21 26	21 24	12 16	15 56	3 3
S 21	13 4	7 24	4 57	4 6	2 14	18 2	0 5	13 31	0 7	23 14	0 19	11 57	2 8	7 9	0 34	8 35	1 54	23 32	12 55	21 29	21 25	12 14	15 58	3 3
M22	13 24	11 41	4 41	4 28	2 15	18 24	0 7	13 46	0 7	23 14	0 18	12 0	2 8	7 10	0 34	8 34	1 54	23 32	12 55	21 31	21 25	12 12	15 59	3 3
T 23	13 45	15 31	4 10	4 53	2 15	18 46	0 10	14 0	0 6	23 14	0 18	12 2	2 8	7 12	0 34	8 34	1 54	23 32	12 56	21 33	21 26	12 10	16 1	3 3
W24	14 4	18 40	3 26	5 20	2 15	19 7	0 12	14 14	0 6	23 14	0 18	12 4	2 8	7 13	0 34	8 33	1 54	23 32	12 56	21 35	21 27	12 9	16 3	3 3
T 25	14 24	20 53	2 29	5 50	2 13	19 27	0 15	14 28	0 5	23 14	0 18	12 7	2 8	7 14	0 34	8 33	1 54	23 32	12 57	21 36	21 27	12 7	16 4	3 4
F 26	14 43	21 58	1 24	6 21	2 11	19 48	0 17	14 43	0 4	23 14	0 18	12 9	2 8	7 16	0 34	8 32	1 54	23 32	12 57	21 36	21 28	12 5	16 6	3 4
S 27	15 3	21 47	0 13	6 54	2 8	20 7	0 20	14 56	0 4	23 14	0 18	12 11	2 8	7 17	0 34	8 32	1 54	23 32	12 57	21 36	21 28	12 3	16 7	3 4
S 28	15 21	20 17	0s59	7 28	2 4	20 26	0 22	15 10	0 3	23 14	0 18	12 14	2 8	7 18	0 34	8 31	1 54	23 32	12 58	21 36	21 29	12 1	16 9	3 4
M29	15 40	17 33	2 10	8 4	2 0	20 45	0 25	15 24	0 3	23 15	0 18	12 16	2 8	7 20	0 34	8 30	1 53	23 32	12 58	21 36	21 29	11 59	16 11	3 4
T 30	15 58	13 45	3 13	8 39	1 55	21 3	0 27	15 38	0 2	23 15	0 18	12 18	2 8	7 21	0 34	8 30	1 53	23 33	12 59	21 37	21 30	11 57	16 12	3 4
W31	16s17	9s 6	4s 5	9s16	1n50	21s20	0s30	15s51	0n 1	23n15	0s18	12s21	2n 8	7s22	0n34	8n29	1s53	23n33	12n59	21n37	21n30	11n55	16s14	3n 4

Julian Day Number = 2166205.5, Delta T = 12m44s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'47, Lahiri = 12°57'47 Julian Calendar 1 Oct. 1218 == Greg. Calendar 8 Oct. 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

NOVEMBER 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 39	15♏34'24	1♈ 1	29♎59	4♐15	13♏56	29°R31	8♏32	20♎12	26°R26	0♍12	22°R35	23♋19	8♍14	25♏37	T 1
F 2	3 11 36	16°35'01	15°34	1♏29	5°30	14°39	29♊27	8°39	20°16	26♈24	0°13	22♋27	23°16	8°21	25°45	F 2
S 3	3 15 32	17°35'39	0♉ 3	3° 1	6°45	15°22	29°23	8°46	20°19	26°23	0°14	22°16	23°13	8°28	25°52	S 3
S 4	3 19 29	18°36'18	14°22	4°33	8° 0	16° 4	29°18	8°53	20°23	26°21	0°15	22° 6	23°10	8°34	26° 0	S 4
M 5	3 23 26	19°36'59	28°25	6° 5	9°14	16°47	29°13	9° 0	20°26	26°20	0°15	21°56	23° 7	8°41	26° 7	M 5
T 6	3 27 22	20°37'42	12♊ 8	7°38	10°29	17°30	29° 9	9° 7	20°29	26°18	0°16	21°48	23° 4	8°48	26°15	T 6
W 7	3 31 19	21°38'26	25°27	9°11	11°44	18°13	29° 4	9°14	20°33	26°17	0°17	21°42	23° 0	8°54	26°22	W 7
T 8	3 35 15	22°39'11	8♋22	10°45	12°59	18°56	28°58	9°21	20°36	26°15	0°17	21°39	22°57	9° 1	26°30	T 8
F 9	3 39 12	23°39'58	20°55	12°18	14°14	19°39	28°53	9°28	20°39	26°14	0°18	21°D38	22°54	9° 8	26°37	F 9
S 10	3 43 8	24°40'47	3♌11	13°52	15°29	20°22	28°48	9°35	20°43	26°12	0°18	21°38	22°51	9°15	26°45	S 10
S 11	3 47 5	25°41'37	15°12	15°26	16°44	21° 5	28°42	9°42	20°46	26°11	0°19	21°39	22°48	9°21	26°52	S 11
M12	3 51 1	26°42'28	27° 5	16°59	17°58	21°48	28°36	9°49	20°49	26°10	0°19	21°R40	22°45	9°28	27° 0	M12
T 13	3 54 58	27°43'21	8♍54	18°33	19°13	22°31	28°30	9°56	20°52	26° 8	0°20	21°39	22°41	9°35	27° 7	T 13
W14	3 58 55	28°44'15	20°46	20° 7	20°28	23°14	28°24	10° 3	20°56	26° 7	0°20	21°36	22°38	9°41	27°15	W14
T 15	4 2 51	29°45'11	2♎44	21°41	21°43	23°58	28°18	10°10	20°59	26° 5	0°20	21°31	22°35	9°48	27°22	T 15
F 16	4 6 48	0♐46'08	14°53	23°15	22°58	24°41	28°11	10°16	21° 2	26° 4	0°21	21°24	22°32	9°55	27°29	F 16
S 17	4 10 44	1°47'06	27°17	24°49	24°13	25°24	28° 5	10°23	21° 5	26° 3	0°21	21°15	22°29	10° 1	27°37	S 17
S 18	4 14 41	2°48'05	9♏56	26°23	25°27	26° 8	27°58	10°30	21° 8	26° 1	0°21	21° 6	22°25	10° 8	27°44	S 18
M19	4 18 37	3°49'05	22°52	27°57	26°42	26°51	27°51	10°37	21°11	26° 0	0°21	20°57	22°22	10°15	27°52	M19
T 20	4 22 34	4°50'07	6♐ 3	29°31	27°57	27°35	27°44	10°44	21°14	25°59	0°22	20°49	22°19	10°21	27°59	T 20
W21	4 26 30	5°51'09	19°30	1♐ 5	29°12	28°18	27°37	10°50	21°17	25°58	0°22	20°43	22°16	10°28	28° 7	W21
T 22	4 30 27	6°52'13	3♑ 8	2°39	0♑26	29° 2	27°30	10°57	21°20	25°57	0°22	20°40	22°13	10°35	28°14	T 22
F 23	4 34 24	7°53'17	16°57	4°13	1°41	29°46	27°23	11° 4	21°23	25°55	0°22	20°D38	22°10	10°41	28°22	F 23
S 24	4 38 20	8°54'21	0♒52	5°47	2°56	0♐29	27°16	11°10	21°26	25°54	0°22	20°38	22° 6	10°48	28°29	S 24
S 25	4 42 17	9°55'27	14°53	7°21	4°11	1°13	27° 8	11°17	21°29	25°53	0°22	20°40	22° 3	10°55	28°36	S 25
M26	4 46 13	10°56'32	28°59	8°56	5°25	1°57	27° 1	11°23	21°31	25°52	0°R22	20°41	22° 0	11° 2	28°44	M26
T 27	4 50 10	11°57'38	13♓ 6	10°30	6°40	2°41	26°53	11°30	21°34	25°51	0°22	20°R42	21°57	11° 8	28°51	T 27
W28	4 54 6	12°58'44	27°16	12° 4	7°55	3°25	26°45	11°36	21°37	25°50	0°22	20°41	21°54	11°15	28°58	W28
T 29	4 58 3	13°59'51	11♈24	13°39	9° 9	4° 8	26°38	11°43	21°39	25°49	0°22	20°38	21°51	11°22	29° 6	T 29
F 30	5 1 59	15♐ 0'57	25♈30	15♐14	10♑24	4♐52	26♊30	11♏49	21♎42	25♈48	0♍22	20♋34	21♋47	11♍28	29♏13	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s34	3s54	4s42	9s52	1n45	21s37	0s32	16s 5	0n 1	23n15	0s18	12s23	2n 8	7s24	0n34	8n29	1s53	23n33	13n 0	21n38	21n31	11n53	16s15	3n 5
F 2	16 52	1n32	5 1	10 29	1 39	21 53	0 35	16 18	0 0	23 15	0 17	12 25	2 8	7 25	0 34	8 28	1 53	23 33	13 0	21 40	21 31	11 51	16 17	3 5
S 3	17 9	6 51	5 0	11 6	1 33	22 8	0 37	16 31	0s 0	23 15	0 17	12 27	2 8	7 26	0 34	8 28	1 53	23 33	13 1	21 41	21 32	11 49	16 19	3 5
S 4	17 26	11 45	4 41	11 43	1 27	22 23	0 40	16 44	0 1	23 15	0 17	12 30	2 8	7 28	0 34	8 27	1 53	23 33	13 1	21 43	21 33	11 47	16 20	3 5
M 5	17 43	15 55	4 4	12 20	1 21	22 37	0 42	16 57	0 2	23 15	0 17	12 32	2 8	7 29	0 34	8 27	1 53	23 33	13 1	21 45	21 33	11 45	16 22	3 5
T 6	17 59	19 8	3 15	12 57	1 14	22 51	0 45	17 10	0 2	23 15	0 17	12 34	2 8	7 30	0 34	8 26	1 53	23 34	13 2	21 46	21 34	11 43	16 23	3 5
W 7	18 15	21 12	2 15	13 33	1 8	23 4	0 47	17 22	0 3	23 15	0 17	12 36	2 8	7 32	0 34	8 26	1 53	23 34	13 2	21 47	21 34	11 41	16 25	3 5
T 8	18 31	22 6	1 10	14 9	1 1	23 16	0 49	17 35	0 4	23 15	0 17	12 38	2 8	7 33	0 34	8 25	1 53	23 34	13 3	21 47	21 35	11 39	16 26	3 6
F 9	18 46	21 50	0 4	14 44	0 54	23 27	0 52	17 47	0 4	23 15	0 17	12 41	2 8	7 34	0 34	8 25	1 53	23 34	13 3	21 48	21 35	11 37	16 28	3 6
S 10	19 1	20 32	1n 2	15 19	0 47	23 38	0 54	17 59	0 5	23 15	0 17	12 43	2 8	7 35	0 34	8 24	1 53	23 34	13 4	21 48	21 36	11 35	16 30	3 6
S 11	19 16	18 18	2 3	15 53	0 40	23 48	0 56	18 11	0 5	23 15	0 17	12 45	2 8	7 36	0 34	8 24	1 53	23 35	13 4	21 47	21 36	11 33	16 31	3 6
M12	19 30	15 20	2 58	16 27	0 33	23 58	0 58	18 23	0 6	23 15	0 16	12 47	2 8	7 38	0 34	8 23	1 53	23 35	13 5	21 47	21 37	11 31	16 33	3 6
T 13	19 44	11 45	3 46	17 0	0 26	24 6	1 1	18 35	0 7	23 16	0 16	12 49	2 8	7 39	0 35	8 23	1 53	23 35	13 5	21 47	21 37	11 29	16 34	3 7
W14	19 58	7 43	4 24	17 32	0 19	24 14	1 3	18 47	0 7	23 16	0 16	12 51	2 9	7 40	0 35	8 22	1 53	23 36	13 6	21 48	21 38	11 27	16 36	3 7
T 15	20 11	3 21	4 51	18 4	0 12	24 21	1 5	18 58	0 8	23 16	0 16	12 54	2 9	7 41	0 35	8 22	1 53	23 36	13 6	21 49	21 38	11 25	16 37	3 7
F 16	20 24	1s12	5 5	18 34	0 6	24 28	1 7	19 9	0 8	23 16	0 16	12 56	2 9	7 42	0 35	8 21	1 53	23 36	13 7	21 50	21 39	11 23	16 39	3 7
S 17	20 36	5 48	5 5	19 4	0s 1	24 34	1 9	19 20	0 9	23 16	0 16	12 58	2 9	7 44	0 35	8 21	1 53	23 36	13 7	21 51	21 39	11 21	16 40	3 7
S 18	20 48	10 15	4 51	19 33	0 8	24 39	1 11	19 31	0 10	23 16	0 16	13 0	2 9	7 45	0 35	8 20	1 53	23 37	13 8	21 53	21 40	11 19	16 41	3 8
M19	21 0	14 21	4 21	20 1	0 15	24 43	1 13	19 42	0 10	23 16	0 16	13 2	2 9	7 46	0 35	8 20	1 53	23 37	13 8	21 54	21 40	11 17	16 43	3 8
T 20	21 11	17 51	3 37	20 29	0 21	24 46	1 15	19 53	0 11	23 16	0 16	13 4	2 9	7 47	0 35	8 20	1 53	23 38	13 8	21 55	21 41	11 15	16 44	3 8
W21	21 22	20 28	2 40	20 55	0 28	24 49	1 17	20 3	0 12	23 16	0 15	13 6	2 9	7 48	0 35	8 19	1 53	23 38	13 9	21 56	21 41	11 13	16 46	3 8
T 22	21 33	21 57	1 33	21 20	0 34	24 51	1 19	20 13	0 12	23 16	0 15	13 8	2 9	7 49	0 35	8 19	1 53	23 38	13 9	21 57	21 42	11 11	16 47	3 9
F 23	21 43	22 8	0 20	21 44	0 41	24 52	1 20	20 24	0 13	23 16	0 15	13 10	2 9	7 50	0 35	8 18	1 53	23 39	13 10	21 57	21 43	11 9	16 48	3 9
S 24	21 53	20 57	0s55	22 8	0 47	24 53	1 22	20 33	0 13	23 16	0 15	13 12	2 9	7 51	0 35	8 18	1 53	23 39	13 10	21 57	21 43	11 7	16 50	3 9
S 25	22 2	18 28	2 8	22 30	0 53	24 52	1 24	20 43	0 14	23 16	0 15	13 14	2 9	7 52	0 35	8 18	1 53	23 40	13 11	21 57	21 44	11 5	16 51	3 9
M26	22 11	14 53	3 13	22 51	0 59	24 51	1 25	20 53	0 15	23 16	0 15	13 16	2 9	7 53	0 35	8 17	1 53	23 40	13 11	21 56	21 44	11 3	16 53	3 10
T 27	22 19	10 28	4 7	23 11	1 4	24 49	1 27	21 2	0 15	23 16	0 15	13 18	2 9	7 54	0 35	8 17	1 53	23 40	13 12	21 56	21 45	11 1	16 54	3 10
W28	22 27	5 27	4 46	23 29	1 10	24 46	1 29	21 11	0 16	23 15	0 15	13 20	2 9	7 55	0 35	8 17	1 52	23 41	13 12	21 56	21 45	10 59	16 55	3 10
T 29	22 35	0 11	5 7	23 47	1 15	24 43	1 30	21 20	0 17	23 15	0 14	13 22	2 9	7 56	0 35	8 16	1 52	23 41	13 13	21 57	21 46	10 57	16 57	3 10
F 30	22s42	5n 5	5s10	24s 3	1s21	24s39	1s31	21s29	0s17	23n15	0s14	13s23	2n 9	7s57	0n35	8n16	1s52	23n42	13n13	21n58	21n46	10n55	16s58	3n11

Julian Day Number = 2166236.5, Delta T = 12m44s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'51, Lahiri = 12°57'51 Julian Calendar 1 Nov. 1218 == Greg. Calendar 8 Nov. 1218

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ASTRODIENST EPHEMERIS for the year 1218
geocentric

DECEMBER 1218 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 56	16♐ 2'04	9♉30	16♐49	11♑39	5♐36	26°R22	11♏55	21♎45	25°R47	0°R22	20°R28	21♋44	11♍35	29♏20	S 1
S 2	5 9 53	17° 3'12	23°20	18°24	12°53	6°21	26♊14	12° 2	21°47	25♈46	0♍22	20♋23	21°41	11°42	29°27	S 2
M 3	5 13 49	18° 4'20	6♊57	19°59	14° 8	7° 5	26° 6	12° 8	21°50	25°45	0°21	20°17	21°38	11°48	29°35	M 3
T 4	5 17 46	19° 5'28	20°19	21°35	15°23	7°49	25°58	12°14	21°52	25°44	0°21	20°13	21°35	11°55	29°42	T 4
W 5	5 21 42	20° 6'37	3♋24	23°10	16°37	8°33	25°50	12°20	21°55	25°43	0°21	20°10	21°31	12° 2	29°49	W 5
T 6	5 25 39	21° 7'46	16°10	24°46	17°52	9°17	25°42	12°26	21°57	25°43	0°20	20°D 9	21°28	12° 8	29°56	T 6
F 7	5 29 35	22° 8'56	28°40	26°22	19° 6	10° 2	25°34	12°32	21°59	25°42	0°20	20° 9	21°25	12°15	0♐ 3	F 7
S 8	5 33 32	23°10'06	10♌54	27°59	20°21	10°46	25°26	12°38	22° 2	25°41	0°20	20°11	21°22	12°22	0°10	S 8
S 9	5 37 29	24°11'16	22°56	29°35	21°35	11°30	25°18	12°44	22° 4	25°40	0°19	20°12	21°19	12°29	0°17	S 9
M10	5 41 25	25°12'27	4♍50	1♑12	22°50	12°15	25° 9	12°50	22° 6	25°40	0°19	20°14	21°16	12°35	0°24	M10
T 11	5 45 22	26°13'38	16°41	2°49	24° 4	12°59	25° 1	12°56	22° 8	25°39	0°18	20°16	21°12	12°42	0°31	T 11
W12	5 49 18	27°14'50	28°33	4°27	25°18	13°44	24°53	13° 2	22°10	25°38	0°18	20°R16	21° 9	12°49	0°38	W12
T 13	5 53 15	28°16'02	10♎31	6° 4	26°33	14°28	24°45	13° 8	22°12	25°38	0°17	20°15	21° 6	12°55	0°45	T 13
F 14	5 57 11	29°17'14	22°40	7°42	27°47	15°13	24°37	13°13	22°14	25°37	0°17	20°14	21° 3	13° 2	0°52	F 14
S 15	6 1 8	0♑18'26	5♏ 5	9°20	29° 2	15°58	24°29	13°19	22°16	25°37	0°16	20°11	21° 0	13° 9	0°59	S 15
S 16	6 5 4	1°19'39	17°48	10°58	0♒16	16°42	24°21	13°25	22°18	25°36	0°16	20° 8	20°56	13°15	1° 6	S 16
M17	6 9 1	2°20'52	0♐52	12°37	1°30	17°27	24°13	13°30	22°20	25°36	0°15	20° 5	20°53	13°22	1°12	M17
T 18	6 12 58	3°22'05	14°18	14°15	2°44	18°12	24° 5	13°35	22°22	25°35	0°14	20° 3	20°50	13°29	1°19	T 18
W19	6 16 54	4°23'18	28° 4	15°53	3°59	18°57	23°57	13°41	22°24	25°35	0°14	20° 1	20°47	13°35	1°26	W19
T 20	6 20 51	5°24'31	12♑ 7	17°31	5°13	19°42	23°49	13°46	22°26	25°35	0°13	20° 0	20°44	13°42	1°32	T 20
F 21	6 24 47	6°25'44	26°23	19° 9	6°27	20°27	23°41	13°51	22°27	25°34	0°12	20°D 0	20°41	13°49	1°39	F 21
S 22	6 28 44	7°26'56	10♒48	20°46	7°41	21°12	23°34	13°57	22°29	25°34	0°11	20° 1	20°37	13°56	1°45	S 22
S 23	6 32 40	8°28'08	25°16	22°23	8°55	21°57	23°26	14° 2	22°30	25°34	0°11	20° 2	20°34	14° 2	1°52	S 23
M24	6 36 37	9°29'19	9♓43	24° 0	10° 9	22°42	23°18	14° 7	22°32	25°34	0°10	20° 3	20°31	14° 9	1°58	M24
T 25	6 40 33	10°30'29	24° 3	25°35	11°24	23°27	23°11	14°12	22°33	25°33	0° 9	20° 3	20°28	14°16	2° 5	T 25
W26	6 44 30	11°31'39	8♈15	27° 9	12°38	24°12	23° 4	14°17	22°35	25°33	0° 8	20°R 4	20°25	14°22	2°11	W26
T 27	6 48 27	12°32'48	22°16	28°42	13°51	24°57	22°56	14°21	22°36	25°33	0° 7	20° 4	20°22	14°29	2°17	T 27
F 28	6 52 23	13°33'56	6♉ 5	0♒13	15° 5	25°42	22°49	14°26	22°37	25°33	0° 6	20° 3	20°18	14°36	2°23	F 28
S 29	6 56 20	14°35'03	19°42	1°42	16°19	26°27	22°42	14°31	22°39	25°33	0° 5	20° 3	20°15	14°42	2°30	S 29
S 30	7 0 16	15°36'09	3♊ 5	3° 8	17°33	27°13	22°35	14°35	22°40	25°D33	0° 4	20° 2	20°12	14°49	2°36	S 30
M31	7 4 13	16♑37'15	16♊15	4♒31	18♒47	27♐58	22♊28	14♏40	22♎41	25♈33	0♍ 3	20♋ 2	20♋ 9	14♍56	2♐42	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s48	10n 4	4s54	24s18	1s26	24s34	1s33	21s37	0s18	23n15	0s14	13s25	2n10	7s58	0n35	8n16	1s52	23n42	13n14	21n58	21n47	10n53	16s59	3n11
S 2	22 54	14 28	4 22	24 32	1 30	24 28	1 34	21 46	0 18	23 15	0 14	13 27	2 10	7 59	0 35	8 15	1 52	23 43	13 14	21 59	21 47	10 51	17 0	3 11
M 3	23 0	18 2	3 34	24 44	1 35	24 22	1 35	21 54	0 19	23 15	0 14	13 29	2 10	8 0	0 35	8 15	1 52	23 43	13 15	22 0	21 48	10 49	17 2	3 11
T 4	23 5	20 36	2 36	24 55	1 39	24 15	1 36	22 2	0 20	23 15	0 14	13 31	2 10	8 1	0 35	8 15	1 52	23 44	13 15	22 1	21 48	10 47	17 3	3 12
W 5	23 10	21 59	1 31	25 5	1 43	24 7	1 37	22 9	0 20	23 15	0 14	13 32	2 10	8 2	0 35	8 15	1 52	23 44	13 15	22 1	21 49	10 45	17 4	3 12
T 6	23 14	22 12	0 22	25 13	1 47	23 58	1 38	22 17	0 21	23 15	0 13	13 34	2 10	8 3	0 35	8 14	1 52	23 45	13 16	22 1	21 49	10 43	17 5	3 12
F 7	23 18	21 16	0n47	25 20	1 51	23 49	1 39	22 24	0 22	23 15	0 13	13 36	2 10	8 4	0 35	8 14	1 52	23 45	13 16	22 1	21 50	10 41	17 6	3 13
S 8	23 22	19 21	1 52	25 26	1 54	23 39	1 40	22 31	0 22	23 14	0 13	13 38	2 10	8 4	0 35	8 14	1 52	23 46	13 17	22 1	21 50	10 39	17 8	3 13
S 9	23 25	16 37	2 51	25 29	1 57	23 28	1 41	22 38	0 23	23 14	0 13	13 39	2 10	8 5	0 35	8 14	1 52	23 47	13 17	22 1	21 51	10 37	17 9	3 13
M10	23 27	13 13	3 42	25 32	2 0	23 16	1 42	22 45	0 23	23 14	0 13	13 41	2 10	8 6	0 35	8 13	1 52	23 47	13 18	22 0	21 51	10 34	17 10	3 14
T 11	23 29	9 19	4 23	25 33	2 2	23 4	1 43	22 51	0 24	23 14	0 13	13 43	2 11	8 7	0 35	8 13	1 52	23 48	13 18	22 0	21 52	10 32	17 11	3 14
W12	23 31	5 3	4 53	25 32	2 4	22 51	1 43	22 57	0 25	23 14	0 13	13 44	2 11	8 8	0 35	8 13	1 52	23 48	13 19	22 0	21 52	10 30	17 12	3 14
T 13	23 32	0 35	5 11	25 30	2 6	22 38	1 44	23 3	0 25	23 14	0 12	13 46	2 11	8 8	0 35	8 13	1 52	23 49	13 19	22 0	21 53	10 28	17 13	3 15
F 14	23 32	3s59	5 15	25 26	2 7	22 23	1 44	23 9	0 26	23 14	0 12	13 48	2 11	8 9	0 35	8 13	1 52	23 49	13 19	22 1	21 53	10 26	17 14	3 15
S 15	23 32	8 29	5 5	25 20	2 8	22 9	1 44	23 14	0 27	23 13	0 12	13 49	2 11	8 10	0 35	8 13	1 52	23 50	13 20	22 1	21 54	10 24	17 15	3 15
S 16	23 32	12 44	4 39	25 13	2 8	21 53	1 45	23 19	0 27	23 13	0 12	13 51	2 11	8 11	0 35	8 13	1 51	23 51	13 20	22 1	21 54	10 22	17 16	3 16
M17	23 31	16 31	3 59	25 4	2 8	21 37	1 45	23 24	0 28	23 13	0 12	13 52	2 11	8 11	0 35	8 12	1 51	23 51	13 21	22 2	21 55	10 20	17 17	3 16
T 18	23 30	19 33	3 5	24 53	2 8	21 20	1 45	23 29	0 28	23 13	0 12	13 54	2 11	8 12	0 35	8 12	1 51	23 52	13 21	22 2	21 55	10 18	17 18	3 16
W19	23 28	21 33	1 58	24 41	2 7	21 3	1 45	23 34	0 29	23 13	0 11	13 55	2 12	8 13	0 35	8 12	1 51	23 53	13 22	22 2	21 56	10 16	17 19	3 17
T 20	23 26	22 16	0 44	24 27	2 5	20 45	1 45	23 38	0 30	23 12	0 11	13 57	2 12	8 13	0 35	8 12	1 51	23 53	13 22	22 3	21 56	10 14	17 20	3 17
F 21	23 23	21 32	0s35	24 12	2 3	20 26	1 45	23 42	0 30	23 12	0 11	13 58	2 12	8 14	0 35	8 12	1 51	23 54	13 22	22 3	21 56	10 11	17 21	3 17
S 22	23 20	19 24	1 53	23 54	2 0	20 7	1 45	23 46	0 31	23 12	0 11	13 59	2 12	8 14	0 35	8 12	1 51	23 55	13 23	22 2	21 57	10 9	17 22	3 18
S 23	23 16	16 1	3 3	23 35	1 57	19 47	1 45	23 49	0 32	23 12	0 11	14 1	2 12	8 15	0 35	8 12	1 51	23 55	13 23	22 2	21 57	10 7	17 23	3 18
M24	23 12	11 41	4 2	23 15	1 53	19 27	1 44	23 52	0 32	23 11	0 11	14 2	2 12	8 15	0 35	8 12	1 51	23 56	13 24	22 2	21 58	10 5	17 24	3 19
T 25	23 7	6 44	4 45	22 53	1 48	19 6	1 44	23 55	0 33	23 11	0 11	14 3	2 12	8 16	0 35	8 12	1 51	23 57	13 24	22 2	21 58	10 3	17 25	3 19
W26	23 2	1 28	5 10	22 29	1 42	18 45	1 43	23 58	0 33	23 11	0 10	14 5	2 13	8 16	0 35	8 12	1 51	23 57	13 24	22 2	21 59	10 1	17 26	3 19
T 27	22 57	3n48	5 17	22 5	1 36	18 23	1 43	24 1	0 34	23 11	0 10	14 6	2 13	8 17	0 35	8 12	1 51	23 58	13 25	22 2	21 59	9 59	17 27	3 20
F 28	22 51	8 49	5 5	21 38	1 29	18 0	1 42	24 3	0 35	23 11	0 10	14 7	2 13	8 17	0 35	8 12	1 51	23 59	13 25	22 2	22 0	9 57	17 27	3 20
S 29	22 44	13 18	4 36	21 11	1 21	17 37	1 42	24 5	0 35	23 10	0 10	14 9	2 13	8 18	0 35	8 12	1 51	23 59	13 25	22 2	22 0	9 54	17 28	3 21
S 30	22 37	17 4	3 52	20 43	1 12	17 14	1 41	24 6	0 36	23 10	0 10	14 10	2 13	8 18	0 35	8 12	1 51	24 0	13 26	22 2	22 1	9 52	17 29	3 21
M31	22s30	19n54	2s57	20s13	1s 3	16s50	1s40	24s 8	0s36	23n10	0s10	14s11	2n13	8s19	0n35	8n12	1s51	24n 1	13n26	22n 2	22n 1	9n50	17s30	3n21

Julian Day Number = 2166266.5, Delta T = 12m43s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'55, Lahiri = 12°57'55 Julian Calendar 1 Dec. 1218 == Greg. Calendar 8 Dec. 1218

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

JANUARY 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 9	17♉38'20	29♊12	5♒50	20♒ 1	28♐43	22°R21	14♏44	22♎42	25♈33	0°R 2	20°R 1	20♋ 6	15♍ 3	2♐48	T 1
W 2	7 12 6	18°39'24	11♋55	7° 5	21°14	29°29	22♊15	14°49	22°43	25°33	0♍ 1	20♋ 1	20° 3	15° 9	2°54	W 2
T 3	7 16 2	19°40'28	24°26	8°14	22°28	0♉14	22° 8	14°53	22°44	25°33	29♌59	20° 1	19°59	15°16	3° 0	T 3
F 4	7 19 59	20°41'31	6♌45	9°18	23°42	0°59	22° 2	14°57	22°45	25°33	29°59	20° 1	19°56	15°23	3° 5	F 4
S 5	7 23 56	21°42'33	18°54	10°15	24°55	1°45	21°56	15° 2	22°46	25°34	29°58	20° 1	19°53	15°29	3°11	S 5
S 6	7 27 52	22°43'34	0♍53	11° 4	26° 9	2°30	21°50	15° 6	22°47	25°34	29°57	20° 1	19°50	15°36	3°17	S 6
M 7	7 31 49	23°44'34	12°47	11°45	27°22	3°16	21°44	15°10	22°47	25°34	29°55	20° 0	19°47	15°43	3°22	M 7
T 8	7 35 45	24°45'34	24°38	12°17	28°35	4° 2	21°38	15°13	22°48	25°34	29°54	20° 0	19°43	15°49	3°28	T 8
W 9	7 39 42	25°46'33	6♎29	12°39	29°49	4°47	21°33	15°17	22°49	25°35	29°53	19°59	19°40	15°56	3°34	W 9
T 10	7 43 38	26°47'32	18°26	12°R50	1♓ 2	5°33	21°27	15°21	22°49	25°35	29°52	19°59	19°37	16° 3	3°39	T 10
F 11	7 47 35	27°48'29	0♏33	12°50	2°15	6°19	21°22	15°25	22°50	25°36	29°51	19°D59	19°34	16°10	3°44	F 11
S 12	7 51 31	28°49'26	12°54	12°38	3°28	7° 4	21°17	15°28	22°50	25°36	29°49	19°59	19°31	16°16	3°50	S 12
S 13	7 55 28	29°50'22	25°34	12°16	4°42	7°50	21°12	15°32	22°51	25°36	29°48	20° 0	19°28	16°23	3°55	S 13
M14	7 59 25	0♒51'18	8♐36	11°42	5°55	8°36	21° 7	15°35	22°51	25°37	29°47	20° 1	19°24	16°30	4° 0	M14
T 15	8 3 21	1°52'12	22° 4	10°59	7° 8	9°22	21° 3	15°38	22°52	25°38	29°45	20° 2	19°21	16°36	4° 5	T 15
W16	8 7 18	2°53'06	5♉57	10° 6	8°21	10° 8	20°58	15°42	22°52	25°38	29°44	20° 3	19°18	16°43	4°10	W16
T 17	8 11 14	3°53'58	20°14	9° 6	9°33	10°53	20°54	15°45	22°52	25°39	29°43	20°R 3	19°15	16°50	4°15	T 17
F 18	8 15 11	4°54'50	4♒51	8° 0	10°46	11°39	20°50	15°48	22°52	25°39	29°41	20° 2	19°12	16°56	4°20	F 18
S 19	8 19 7	5°55'40	19°41	6°50	11°59	12°25	20°46	15°51	22°52	25°40	29°40	20° 1	19° 8	17° 3	4°25	S 19
S 20	8 23 4	6°56'28	4♓38	5°38	13°12	13°11	20°42	15°53	22°R52	25°41	29°38	19°59	19° 5	17°10	4°29	S 20
M21	8 27 0	7°57'16	19°32	4°27	14°24	13°57	20°39	15°56	22°52	25°42	29°37	19°57	19° 2	17°17	4°34	M21
T 22	8 30 57	8°58'01	4♈16	3°17	15°37	14°43	20°35	15°59	22°52	25°42	29°36	19°55	18°59	17°23	4°39	T 22
W23	8 34 54	9°58'45	18°44	2°11	16°49	15°29	20°32	16° 1	22°52	25°43	29°34	19°53	18°56	17°30	4°43	W23
T 24	8 38 50	10°59'27	2♉51	1°10	18° 1	16°15	20°29	16° 4	22°52	25°44	29°33	19°51	18°53	17°37	4°47	T 24
F 25	8 42 47	12° 0'08	16°38	0°15	19°14	17° 2	20°27	16° 6	22°52	25°45	29°31	19°D51	18°49	17°43	4°52	F 25
S 26	8 46 43	13° 0'46	0♊ 4	29♉27	20°26	17°48	20°24	16° 9	22°51	25°46	29°30	19°52	18°46	17°50	4°56	S 26
S 27	8 50 40	14° 1'23	13°11	28°47	21°38	18°34	20°22	16°11	22°51	25°47	29°28	19°54	18°43	17°57	5° 0	S 27
M28	8 54 36	15° 1'59	26° 1	28°14	22°50	19°20	20°20	16°13	22°51	25°48	29°27	19°55	18°40	18° 3	5° 4	M28
T 29	8 58 33	16° 2'32	8♋37	27°49	24° 2	20° 6	20°18	16°15	22°50	25°49	29°25	19°57	18°37	18°10	5° 8	T 29
W30	9 2 29	17° 3'04	21° 1	27°32	25°14	20°53	20°16	16°17	22°50	25°50	29°24	19°R57	18°34	18°17	5°12	W30
T 31	9 6 26	18♒ 3'34	3♌15	27♉23	26♓25	21♉39	20♊14	16♏18	22♎49	25♈51	29♌22	19♋56	18♋30	18♍24	5♐16	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s22	21n39	1s53	19s44	0s52	16s26	1s39	24s 9	0s37	23n10	0s 9	14s12	2n14	8s19	0n36	8n12	1s51	24n 2	13n27	22n 2	22n 2	9n48	17s30	3n22
W 2	22 14	22 15	0 45	19 14	0 40	16 1	1 38	24 10	0 38	23 9	0 9	14 13	2 14	8 19	0 36	8 12	1 50	24 2	13 27	22 2	22 2	9 46	17 31	3 22
T 3	22 5	21 43	0n25	18 43	0 28	15 36	1 37	24 11	0 38	23 9	0 9	14 14	2 14	8 20	0 36	8 12	1 50	24 3	13 27	22 2	22 3	9 44	17 32	3 23
F 4	21 56	20 8	1 32	18 14	0 14	15 11	1 35	24 11	0 39	23 9	0 9	14 15	2 14	8 20	0 36	8 13	1 50	24 4	13 28	22 2	22 3	9 42	17 33	3 23
S 5	21 47	17 39	2 34	17 44	0n 1	14 45	1 34	24 11	0 39	23 9	0 9	14 16	2 14	8 20	0 36	8 13	1 50	24 4	13 28	22 2	22 4	9 39	17 33	3 23
S 6	21 37	14 26	3 28	17 16	0 16	14 18	1 33	24 11	0 40	23 9	0 9	14 17	2 14	8 21	0 36	8 13	1 50	24 5	13 28	22 2	22 4	9 37	17 34	3 24
M 7	21 27	10 41	4 13	16 49	0 32	13 52	1 31	24 11	0 41	23 8	0 9	14 18	2 15	8 21	0 36	8 13	1 50	24 6	13 29	22 3	22 5	9 35	17 34	3 24
T 8	21 16	6 32	4 47	16 24	0 49	13 25	1 30	24 10	0 41	23 8	0 8	14 19	2 15	8 21	0 36	8 13	1 50	24 7	13 29	22 3	22 5	9 33	17 35	3 25
W 9	21 5	2 8	5 8	16 2	1 6	12 57	1 28	24 9	0 42	23 8	0 8	14 20	2 15	8 21	0 36	8 13	1 50	24 7	13 29	22 3	22 5	9 31	17 36	3 25
T 10	20 53	2s22	5 17	15 41	1 24	12 30	1 26	24 8	0 42	23 8	0 8	14 21	2 15	8 22	0 36	8 14	1 50	24 8	13 30	22 3	22 6	9 29	17 36	3 26
F 11	20 41	6 50	5 12	15 24	1 42	12 2	1 25	24 6	0 43	23 8	0 8	14 22	2 15	8 22	0 36	8 14	1 50	24 9	13 30	22 3	22 6	9 26	17 37	3 26
S 12	20 29	11 8	4 52	15 10	2 0	11 33	1 23	24 5	0 44	23 7	0 8	14 23	2 15	8 22	0 36	8 14	1 50	24 10	13 30	22 3	22 7	9 24	17 37	3 27
S 13	20 16	15 3	4 18	15 0	2 17	11 5	1 21	24 3	0 44	23 7	0 8	14 24	2 16	8 22	0 36	8 14	1 50	24 10	13 30	22 3	22 7	9 22	17 38	3 27
M14	20 3	18 22	3 30	14 53	2 34	10 36	1 19	24 0	0 45	23 7	0 7	14 25	2 16	8 22	0 36	8 14	1 50	24 11	13 31	22 2	22 8	9 20	17 38	3 28
T 15	19 50	20 49	2 29	14 50	2 49	10 7	1 17	23 58	0 45	23 7	0 7	14 25	2 16	8 22	0 36	8 15	1 50	24 12	13 31	22 2	22 8	9 18	17 39	3 28
W16	19 36	22 7	1 17	14 51	3 3	9 37	1 14	23 55	0 46	23 7	0 7	14 26	2 16	8 22	0 36	8 15	1 50	24 13	13 31	22 2	22 9	9 15	17 39	3 29
T 17	19 22	22 2	0s 1	14 55	3 15	9 8	1 12	23 52	0 47	23 7	0 7	14 27	2 16	8 22	0 36	8 15	1 50	24 13	13 31	22 2	22 9	9 13	17 40	3 29
F 18	19 7	20 27	1 21	15 2	3 25	8 38	1 10	23 48	0 47	23 7	0 7	14 27	2 17	8 22	0 36	8 16	1 49	24 14	13 32	22 2	22 10	9 11	17 40	3 29
S 19	18 52	17 27	2 37	15 12	3 33	8 8	1 7	23 45	0 48	23 6	0 7	14 28	2 17	8 22	0 36	8 16	1 49	24 15	13 32	22 2	22 10	9 9	17 40	3 30
S 20	18 37	13 18	3 42	15 24	3 39	7 38	1 5	23 41	0 48	23 6	0 6	14 29	2 17	8 22	0 36	8 16	1 49	24 15	13 32	22 3	22 10	9 7	17 41	3 30
M21	18 21	8 20	4 32	15 38	3 42	7 7	1 2	23 37	0 49	23 6	0 6	14 29	2 17	8 22	0 36	8 17	1 49	24 16	13 32	22 3	22 11	9 4	17 41	3 31
T 22	18 5	2 57	5 4	15 53	3 43	6 37	1 0	23 32	0 49	23 6	0 6	14 30	2 17	8 22	0 36	8 17	1 49	24 17	13 33	22 3	22 11	9 2	17 41	3 31
W23	17 49	2n30	5 15	16 10	3 41	6 6	0 57	23 28	0 50	23 6	0 6	14 30	2 18	8 22	0 36	8 17	1 49	24 18	13 33	22 4	22 12	9 0	17 42	3 32
T 24	17 33	7 42	5 7	16 27	3 38	5 35	0 54	23 23	0 50	23 6	0 6	14 31	2 18	8 22	0 36	8 18	1 49	24 18	13 33	22 4	22 12	8 58	17 42	3 32
F 25	17 16	12 23	4 42	16 44	3 32	5 4	0 51	23 18	0 51	23 6	0 6	14 31	2 18	8 22	0 36	8 18	1 49	24 19	13 33	22 4	22 13	8 56	17 42	3 33
S 26	16 59	16 19	4 1	17 1	3 25	4 33	0 48	23 12	0 52	23 6	0 6	14 32	2 18	8 22	0 36	8 18	1 49	24 20	13 34	22 4	22 13	8 53	17 42	3 34
S 27	16 41	19 21	3 9	17 17	3 16	4 2	0 45	23 6	0 52	23 6	0 5	14 32	2 18	8 22	0 36	8 19	1 49	24 21	13 34	22 4	22 14	8 51	17 43	3 34
M28	16 24	21 21	2 8	17 33	3 7	3 30	0 42	23 0	0 53	23 6	0 5	14 33	2 19	8 22	0 36	8 19	1 49	24 21	13 34	22 3	22 14	8 49	17 43	3 35
T 29	16 6	22 14	1 2	17 48	2 56	2 59	0 39	22 54	0 53	23 6	0 5	14 33	2 19	8 21	0 36	8 20	1 49	24 22	13 34	22 3	22 14	8 47	17 43	3 35
W30	15 47	21 59	0n 6	18 3	2 45	2 27	0 36	22 48	0 54	23 6	0 5	14 33	2 19	8 21	0 36	8 20	1 49	24 23	13 34	22 3	22 15	8 44	17 43	3 36
T 31	15s29	20n41	1n12	18s16	2n33	1s56	0s33	22s41	0s54	23n 6	0s 5	14s34	2n19	8s21	0n36	8n20	1s49	24n23	13n34	22n 3	22n15	8n42	17s43	3n36

Julian Day Number = 2166297.5, Delta T = 12m43s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°50'59, Lahiri = 12°58'00 Julian Calendar 1 Jan. 1219 == Greg. Calendar 8 Jan. 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

FEBRUARY 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 10 23	19♒ 4'02	15♌22	27°D21	27♓37	22♉25	20°R13	16♏20	22°R48	25♈52	29°R21	19°R54	18♋27	18♍30	5♐19	F 1
S 2	9 14 19	20° 4'29	27°22	27♉25	28°48	23°11	20♊12	16°22	22♎48	25°53	29♌19	19♋50	18°24	18°37	5°23	S 2
S 3	9 18 16	21° 4'54	9♍17	27°36	29°59	23°58	20°11	16°23	22°47	25°54	29°18	19°45	18°21	18°44	5°27	S 3
M 4	9 22 12	22° 5'17	21°10	27°53	1♈11	24°44	20°10	16°25	22°46	25°55	29°16	19°39	18°18	18°50	5°30	M 4
T 5	9 26 9	23° 5'39	3♎ 1	28°16	2°22	25°30	20°10	16°26	22°45	25°57	29°15	19°33	18°14	18°57	5°33	T 5
W 6	9 30 5	24° 5'59	14°54	28°44	3°33	26°17	20° 9	16°27	22°44	25°58	29°13	19°27	18°11	19° 4	5°37	W 6
T 7	9 34 2	25° 6'18	26°51	29°17	4°44	27° 3	20°D 9	16°28	22°44	25°59	29°12	19°22	18° 8	19°11	5°40	T 7
F 8	9 37 58	26° 6'35	8♏56	29°54	5°55	27°50	20° 9	16°29	22°43	26° 0	29°10	19°19	18° 5	19°17	5°43	F 8
S 9	9 41 55	27° 6'51	21°14	0♒36	7° 6	28°36	20°10	16°30	22°42	26° 2	29° 8	19°17	18° 2	19°24	5°46	S 9
S 10	9 45 52	28° 7'05	3♐48	1°21	8°16	29°22	20°10	16°31	22°40	26° 3	29° 7	19°D17	17°59	19°31	5°49	S 10
M11	9 49 48	29° 7'17	16°43	2°10	9°27	0♒ 9	20°11	16°31	22°39	26° 5	29° 5	19°18	17°55	19°37	5°52	M11
T 12	9 53 45	0♓ 7'29	0♑ 3	3° 2	10°37	0°55	20°11	16°32	22°38	26° 6	29° 4	19°20	17°52	19°44	5°54	T 12
W13	9 57 41	1° 7'38	13°50	3°58	11°47	1°42	20°12	16°32	22°37	26° 7	29° 2	19°R21	17°49	19°51	5°57	W13
T 14	10 1 38	2° 7'46	28° 6	4°56	12°58	2°28	20°14	16°33	22°36	26° 9	29° 1	19°21	17°46	19°57	5°59	T 14
F 15	10 5 34	3° 7'52	12♒47	5°57	14° 8	3°15	20°15	16°33	22°34	26°10	28°59	19°18	17°43	20° 4	6° 2	F 15
S 16	10 9 31	4° 7'57	27°49	7° 0	15°17	4° 2	20°17	16°33	22°33	26°12	28°58	19°14	17°40	20°11	6° 4	S 16
S 17	10 13 27	5° 7'59	13♓ 3	8° 6	16°27	4°48	20°19	16°R33	22°32	26°13	28°56	19° 8	17°36	20°18	6° 6	S 17
M18	10 17 24	6° 7'59	28°18	9°14	17°37	5°35	20°21	16°33	22°30	26°15	28°54	19° 1	17°33	20°24	6° 9	M18
T 19	10 21 21	7° 7'58	13♈24	10°25	18°46	6°21	20°23	16°33	22°29	26°17	28°53	18°54	17°30	20°31	6°11	T 19
W20	10 25 17	8° 7'54	28°11	11°37	19°55	7° 8	20°25	16°33	22°27	26°18	28°51	18°47	17°27	20°38	6°12	W20
T 21	10 29 14	9° 7'48	12♉34	12°51	21° 5	7°55	20°28	16°32	22°25	26°20	28°50	18°42	17°24	20°44	6°14	T 21
F 22	10 33 10	10° 7'39	26°29	14° 7	22°14	8°41	20°31	16°32	22°24	26°22	28°48	18°39	17°20	20°51	6°16	F 22
S 23	10 37 7	11° 7'29	9♊57	15°24	23°22	9°28	20°34	16°31	22°22	26°23	28°47	18°D38	17°17	20°58	6°18	S 23
S 24	10 41 3	12° 7'16	23° 0	16°44	24°31	10°14	20°37	16°31	22°20	26°25	28°45	18°39	17°14	21° 5	6°19	S 24
M25	10 45 0	13° 7'01	5♋42	18° 5	25°40	11° 1	20°40	16°30	22°19	26°27	28°44	18°40	17°11	21°11	6°21	M25
T 26	10 48 56	14° 6'43	18° 7	19°27	26°48	11°48	20°43	16°29	22°17	26°28	28°42	18°R40	17° 8	21°18	6°22	T 26
W27	10 52 53	15° 6'24	0♌19	20°51	27°56	12°34	20°47	16°28	22°15	26°30	28°41	18°40	17° 5	21°25	6°23	W27
T 28	10 56 50	16♓ 6'02	12♌22	22♒17	29♈ 4	13♒21	20♊51	16♏27	22♎13	26♈32	28♌39	18♋37	17♋ 1	21♍31	6♐24	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s10	18n26	2n15	18s29	2n21	1s24	0s29	22s34	0s55	23n 6	0s 5	14s34	2n19	8s21	0n36	8n21	1s49	24n24	13n35	22n 3	22n16	8n40	17s44	3n37
S 2	14 51	15 25	3 11	18 40	2 8	0 53	0 26	22 27	0 55	23 6	0 5	14 34	2 20	8 20	0 36	8 21	1 49	24 25	13 35	22 4	22 16	8 38	17 44	3 37
S 3	14 32	11 47	3 58	18 50	1 55	0 21	0 23	22 19	0 56	23 6	0 4	14 35	2 20	8 20	0 36	8 22	1 49	24 26	13 35	22 5	22 17	8 35	17 44	3 38
M 4	14 12	7 43	4 34	18 59	1 43	0n11	0 19	22 12	0 56	23 6	0 4	14 35	2 20	8 20	0 36	8 22	1 48	24 26	13 35	22 6	22 17	8 33	17 44	3 38
T 5	13 53	3 21	4 58	19 7	1 30	0 42	0 16	22 4	0 57	23 6	0 4	14 35	2 20	8 19	0 36	8 23	1 48	24 27	13 35	22 7	22 17	8 31	17 44	3 39
W 6	13 33	1s 7	5 10	19 14	1 18	1 14	0 12	21 55	0 57	23 6	0 4	14 35	2 20	8 19	0 36	8 23	1 48	24 28	13 35	22 7	22 18	8 29	17 44	3 39
T 7	13 12	5 36	5 8	19 19	1 6	1 46	0 8	21 47	0 58	23 7	0 4	14 35	2 21	8 19	0 36	8 24	1 48	24 28	13 35	22 8	22 18	8 26	17 44	3 40
F 8	12 52	9 54	4 53	19 23	0 54	2 17	0 5	21 38	0 58	23 7	0 4	14 35	2 21	8 18	0 37	8 24	1 48	24 29	13 35	22 9	22 19	8 24	17 44	3 41
S 9	12 31	13 53	4 24	19 26	0 42	2 49	0 1	21 29	0 59	23 7	0 4	14 35	2 21	8 18	0 37	8 25	1 48	24 30	13 36	22 9	22 19	8 22	17 44	3 41
S 10	12 11	17 22	3 42	19 27	0 30	3 20	0n 3	21 20	0 59	23 7	0 3	14 35	2 21	8 17	0 37	8 25	1 48	24 30	13 36	22 9	22 20	8 20	17 44	3 42
M11	11 50	20 5	2 48	19 27	0 19	3 52	0 7	21 11	1 0	23 7	0 3	14 35	2 21	8 17	0 37	8 26	1 48	24 31	13 36	22 9	22 20	8 17	17 44	3 42
T 12	11 28	21 50	1 43	19 26	0 8	4 23	0 10	21 1	1 0	23 7	0 3	14 35	2 22	8 17	0 37	8 27	1 48	24 31	13 36	22 8	22 20	8 15	17 44	3 43
W13	11 7	22 19	0 30	19 23	0s 2	4 54	0 14	20 51	1 1	23 8	0 3	14 35	2 22	8 16	0 37	8 27	1 48	24 32	13 36	22 8	22 21	8 13	17 43	3 43
T 14	10 46	21 24	0s47	19 19	0 12	5 25	0 18	20 41	1 1	23 8	0 3	14 35	2 22	8 16	0 37	8 28	1 48	24 33	13 36	22 8	22 21	8 11	17 43	3 44
F 15	10 24	19 1	2 3	19 13	0 22	5 56	0 22	20 31	1 2	23 8	0 3	14 35	2 22	8 15	0 37	8 28	1 48	24 33	13 36	22 9	22 22	8 8	17 43	3 44
S 16	10 2	15 18	3 13	19 7	0 32	6 27	0 26	20 20	1 2	23 8	0 3	14 35	2 22	8 15	0 37	8 29	1 48	24 34	13 36	22 9	22 22	8 6	17 43	3 45
S 17	9 40	10 31	4 9	18 58	0 41	6 58	0 30	20 10	1 3	23 9	0 2	14 35	2 23	8 14	0 37	8 29	1 48	24 35	13 36	22 10	22 23	8 4	17 43	3 46
M18	9 18	5 5	4 48	18 49	0 50	7 28	0 34	19 59	1 3	23 9	0 2	14 34	2 23	8 13	0 37	8 30	1 48	24 35	13 36	22 11	22 23	8 1	17 43	3 46
T 19	8 56	0n37	5 6	18 38	0 58	7 59	0 39	19 47	1 4	23 9	0 2	14 34	2 23	8 13	0 37	8 31	1 48	24 36	13 36	22 12	22 23	7 59	17 42	3 47
W20	8 33	6 9	5 3	18 26	1 6	8 29	0 43	19 36	1 4	23 10	0 2	14 34	2 23	8 12	0 37	8 31	1 48	24 36	13 36	22 13	22 24	7 57	17 42	3 47
T 21	8 11	11 12	4 42	18 12	1 13	8 59	0 47	19 24	1 5	23 10	0 2	14 34	2 23	8 12	0 37	8 32	1 48	24 37	13 36	22 14	22 24	7 55	17 42	3 48
F 22	7 48	15 30	4 3	17 57	1 20	9 29	0 51	19 13	1 5	23 10	0 2	14 33	2 24	8 11	0 37	8 33	1 48	24 37	13 36	22 14	22 25	7 52	17 42	3 49
S 23	7 25	18 51	3 13	17 40	1 27	9 58	0 55	19 1	1 5	23 11	0 2	14 33	2 24	8 10	0 37	8 33	1 48	24 38	13 36	22 14	22 25	7 50	17 41	3 49
S 24	7 3	21 8	2 14	17 23	1 34	10 28	0 59	18 48	1 6	23 11	0 2	14 33	2 24	8 10	0 37	8 34	1 47	24 38	13 36	22 14	22 25	7 48	17 41	3 50
M25	6 40	22 16	1 9	17 3	1 40	10 57	1 4	18 36	1 6	23 11	0 1	14 32	2 24	8 9	0 37	8 35	1 47	24 39	13 36	22 14	22 26	7 45	17 41	3 50
T 26	6 17	22 16	0 3	16 43	1 45	11 26	1 8	18 23	1 7	23 12	0 1	14 32	2 24	8 8	0 37	8 35	1 47	24 39	13 36	22 14	22 26	7 43	17 40	3 51
W27	5 54	21 11	1n 2	16 21	1 50	11 54	1 12	18 11	1 7	23 12	0 1	14 31	2 25	8 8	0 37	8 36	1 47	24 40	13 36	22 14	22 27	7 41	17 40	3 51
T 28	5s30	19n 8	2n 3	15s57	1s55	12n23	1n17	17s58	1s 7	23n12	0s 1	14s31	2n25	8s 7	0n37	8n37	1s47	24n40	13n36	22n14	22n27	7n38	17s39	3n52

Julian Day Number = 2166328.5, Delta T = 12m43s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'04, Lahiri = 12°58'04 Julian Calendar 1 Feb. 1219 == Greg. Calendar 8 Feb. 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

MARCH 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 0 46	17♓ 5'38	24♌18	23♒43	0♉12	14♒ 8	20♊55	16°R26	22°R11	26♈34	28°R38	18°R31	16♋58	21♍38	6♐25	F 1
S 2	11 4 43	18° 5'11	6♍12	25°12	1°19	14°54	20°59	16♏25	22♎ 9	26°36	28♌36	18♋23	16°55	21°45	6°26	S 2
S 3	11 8 39	19° 4'43	18° 4	26°42	2°27	15°41	21° 4	16°23	22° 7	26°38	28°35	18°13	16°52	21°52	6°27	S 3
M 4	11 12 36	20° 4'12	29°56	28°13	3°34	16°28	21° 8	16°22	22° 5	26°39	28°33	18° 1	16°49	21°58	6°28	M 4
T 5	11 16 32	21° 3'39	11♎49	29°45	4°41	17°14	21°13	16°21	22° 3	26°41	28°32	17°49	16°45	22° 5	6°29	T 5
W 6	11 20 29	22° 3'05	23°45	1♓19	5°48	18° 1	21°18	16°19	22° 1	26°43	28°31	17°37	16°42	22°12	6°29	W 6
T 7	11 24 25	23° 2'28	5♏47	2°54	6°54	18°48	21°23	16°17	21°59	26°45	28°29	17°27	16°39	22°18	6°29	T 7
F 8	11 28 22	24° 1'50	17°56	4°31	8° 0	19°34	21°28	16°15	21°57	26°47	28°28	17°19	16°36	22°25	6°30	F 8
S 9	11 32 18	25° 1'10	0♐15	6° 9	9° 7	20°21	21°34	16°13	21°55	26°49	28°26	17°13	16°33	22°32	6°30	S 9
S 10	11 36 15	26° 0'28	12°47	7°48	10°12	21° 8	21°39	16°11	21°53	26°51	28°25	17°10	16°30	22°38	6°30	S 10
M11	11 40 12	26°59'44	25°38	9°29	11°18	21°54	21°45	16° 9	21°50	26°53	28°24	17°D10	16°26	22°45	6°R30	M11
T 12	11 44 8	27°58'58	8♑50	11°11	12°24	22°41	21°51	16° 7	21°48	26°55	28°22	17°10	16°23	22°52	6°30	T 12
W13	11 48 5	28°58'11	22°27	12°54	13°29	23°28	21°57	16° 5	21°46	26°57	28°21	17°R10	16°20	22°59	6°30	W13
T 14	11 52 1	29°57'22	6♒32	14°39	14°34	24°14	22° 3	16° 3	21°44	26°59	28°20	17° 9	16°17	23° 5	6°30	T 14
F 15	11 55 58	0♈56'31	21° 4	16°25	15°38	25° 1	22° 9	16° 0	21°41	27° 1	28°19	17° 5	16°14	23°12	6°29	F 15
S 16	11 59 54	1°55'38	6♓ 0	18°13	16°43	25°48	22°16	15°58	21°39	27° 3	28°17	16°59	16°11	23°19	6°29	S 16
S 17	12 3 51	2°54'43	21°12	20° 2	17°47	26°34	22°22	15°55	21°37	27° 5	28°16	16°50	16° 7	23°25	6°28	S 17
M18	12 7 47	3°53'46	6♈31	21°52	18°51	27°21	22°29	15°52	21°34	27° 8	28°15	16°40	16° 4	23°32	6°28	M18
T 19	12 11 44	4°52'47	21°46	23°44	19°54	28° 7	22°36	15°50	21°32	27°10	28°14	16°29	16° 1	23°39	6°27	T 19
W20	12 15 41	5°51'46	6♉44	25°38	20°58	28°54	22°43	15°47	21°29	27°12	28°12	16°18	15°58	23°46	6°26	W20
T 21	12 19 37	6°50'42	21°19	27°33	22° 1	29°41	22°50	15°44	21°27	27°14	28°11	16°10	15°55	23°52	6°25	T 21
F 22	12 23 34	7°49'37	5♊25	29°29	23° 3	0♓27	22°58	15°41	21°25	27°16	28°10	16° 4	15°51	23°59	6°24	F 22
S 23	12 27 30	8°48'29	19° 1	1♈26	24° 6	1°14	23° 5	15°38	21°22	27°18	28° 9	16° 1	15°48	24° 6	6°23	S 23
S 24	12 31 27	9°47'19	2♋ 8	3°25	25° 8	2° 0	23°13	15°35	21°20	27°20	28° 8	16° 0	15°45	24°12	6°22	S 24
M25	12 35 23	10°46'06	14°51	5°26	26° 9	2°47	23°21	15°32	21°17	27°23	28° 7	16° 0	15°42	24°19	6°20	M25
T 26	12 39 20	11°44'51	27°14	7°27	27°11	3°33	23°29	15°28	21°15	27°25	28° 6	16° 0	15°39	24°26	6°19	T 26
W27	12 43 16	12°43'34	9♌22	9°30	28°12	4°20	23°37	15°25	21°12	27°27	28° 5	15°58	15°36	24°33	6°17	W27
T 28	12 47 13	13°42'15	21°20	11°34	29°12	5° 6	23°45	15°21	21°10	27°29	28° 4	15°55	15°32	24°39	6°16	T 28
F 29	12 51 10	14°40'53	3♍13	13°39	0♊12	5°53	23°53	15°18	21° 7	27°31	28° 3	15°48	15°29	24°46	6°14	F 29
S 30	12 55 6	15°39'30	15° 3	15°45	1°12	6°39	24° 1	15°14	21° 5	27°34	28° 2	15°39	15°26	24°53	6°12	S 30
S 31	12 59 3	16♈38'04	26♍54	17♈52	2♊11	7♓26	24♊10	15♏11	21♎ 2	27♈36	28♌ 1	15♋27	15♋23	24♍59	6♐10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s 7	16n17	2n59	15s33	1s59	12n51	1n21	17s44	1s 8	23n13	0s 1	14s30	2n25	8s 6	0n37	8n37	1s47	24n41	13n36	22n15	22n27	7n36	17s39	3n53
S 2	4 44	12 46	3 45	15 7	2 3	13 19	1 25	17 31	1 8	23 13	0 1	14 30	2 25	8 6	0 37	8 38	1 47	24 41	13 36	22 16	22 28	7 34	17 39	3 53
S 3	4 20	8 46	4 22	14 39	2 7	13 46	1 29	17 18	1 9	23 14	0 1	14 29	2 25	8 5	0 37	8 39	1 47	24 42	13 36	22 18	22 28	7 31	17 38	3 54
M 4	3 57	4 26	4 48	14 10	2 10	14 13	1 34	17 4	1 9	23 14	0 1	14 29	2 26	8 4	0 37	8 39	1 47	24 42	13 36	22 19	22 29	7 29	17 38	3 54
T 5	3 33	0s 5	5 1	13 40	2 12	14 40	1 38	16 50	1 9	23 14	0 0	14 28	2 26	8 3	0 37	8 40	1 47	24 43	13 35	22 21	22 29	7 27	17 37	3 55
W 6	3 10	4 36	5 1	13 9	2 14	15 7	1 42	16 36	1 10	23 15	0 0	14 27	2 26	8 2	0 37	8 41	1 47	24 43	13 35	22 22	22 29	7 24	17 37	3 56
T 7	2 46	8 59	4 48	12 36	2 16	15 33	1 46	16 22	1 10	23 15	0 0	14 27	2 26	8 2	0 37	8 42	1 47	24 44	13 35	22 24	22 30	7 22	17 36	3 56
F 8	2 23	13 4	4 21	12 1	2 17	15 59	1 51	16 7	1 10	23 16	0 0	14 26	2 26	8 1	0 37	8 42	1 47	24 44	13 35	22 25	22 30	7 20	17 36	3 57
S 9	1 59	16 40	3 42	11 26	2 18	16 24	1 55	15 53	1 11	23 16	0n 0	14 25	2 26	8 0	0 37	8 43	1 47	24 44	13 35	22 26	22 31	7 17	17 35	3 57
S 10	1 36	19 35	2 52	10 49	2 18	16 49	1 59	15 38	1 11	23 17	0 0	14 25	2 27	7 59	0 37	8 44	1 47	24 45	13 35	22 26	22 31	7 15	17 35	3 58
M11	1 12	21 36	1 52	10 11	2 18	17 14	2 3	15 23	1 11	23 17	0 0	14 24	2 27	7 58	0 37	8 45	1 47	24 45	13 35	22 26	22 31	7 13	17 34	3 59
T 12	0 48	22 31	0 44	9 31	2 18	17 39	2 7	15 9	1 12	23 18	0 0	14 23	2 27	7 58	0 37	8 45	1 47	24 45	13 35	22 26	22 32	7 10	17 33	3 59
W13	0 25	22 7	0s28	8 51	2 17	18 2	2 12	14 53	1 12	23 18	0 1	14 22	2 27	7 57	0 37	8 46	1 47	24 46	13 34	22 26	22 32	7 8	17 33	4 0
T 14	0 1	20 21	1 41	8 8	2 15	18 26	2 16	14 38	1 12	23 19	0 1	14 22	2 27	7 56	0 37	8 47	1 47	24 46	13 34	22 26	22 33	7 6	17 32	4 0
F 15	0n23	17 12	2 49	7 25	2 13	18 49	2 20	14 23	1 13	23 19	0 1	14 21	2 27	7 55	0 37	8 48	1 47	24 46	13 34	22 27	22 33	7 3	17 32	4 1
S 16	0 46	12 53	3 48	6 40	2 10	19 12	2 24	14 7	1 13	23 20	0 1	14 20	2 28	7 54	0 37	8 48	1 47	24 47	13 34	22 27	22 33	7 1	17 31	4 2
S 17	1 10	7 40	4 32	5 55	2 7	19 34	2 28	13 52	1 13	23 20	0 1	14 19	2 28	7 53	0 37	8 49	1 47	24 47	13 34	22 28	22 34	6 59	17 30	4 2
M18	1 33	1 56	4 56	5 8	2 3	19 56	2 32	13 36	1 14	23 21	0 1	14 18	2 28	7 52	0 37	8 50	1 47	24 47	13 34	22 30	22 34	6 56	17 30	4 3
T 19	1 57	3n53	5 0	4 19	1 59	20 17	2 36	13 20	1 14	23 21	0 1	14 17	2 28	7 51	0 37	8 51	1 47	24 48	13 33	22 31	22 34	6 54	17 29	4 3
W20	2 20	9 23	4 42	3 30	1 55	20 38	2 40	13 4	1 14	23 22	0 1	14 16	2 28	7 50	0 37	8 52	1 47	24 48	13 33	22 32	22 35	6 52	17 28	4 4
T 21	2 44	14 12	4 7	2 39	1 49	20 59	2 43	12 48	1 14	23 22	0 1	14 15	2 28	7 50	0 37	8 52	1 47	24 48	13 33	22 33	22 35	6 49	17 27	4 4
F 22	3 7	18 4	3 17	1 48	1 44	21 18	2 47	12 31	1 15	23 23	0 2	14 14	2 28	7 49	0 37	8 53	1 47	24 48	13 33	22 34	22 36	6 47	17 27	4 5
S 23	3 30	20 48	2 18	0 55	1 38	21 38	2 51	12 15	1 15	23 23	0 2	14 13	2 29	7 48	0 37	8 54	1 47	24 49	13 33	22 34	22 36	6 44	17 26	4 6
S 24	3 54	22 19	1 13	0 1	1 31	21 57	2 55	11 58	1 15	23 24	0 2	14 12	2 29	7 47	0 37	8 55	1 47	24 49	13 33	22 35	22 36	6 42	17 25	4 6
M25	4 17	22 36	0 6	0n53	1 24	22 15	2 58	11 42	1 15	23 24	0 2	14 11	2 29	7 46	0 37	8 55	1 47	24 49	13 32	22 35	22 37	6 40	17 24	4 7
T 26	4 40	21 46	0n59	1 49	1 16	22 33	3 2	11 25	1 16	23 25	0 2	14 10	2 29	7 45	0 37	8 56	1 47	24 49	13 32	22 35	22 37	6 37	17 24	4 7
W27	5 3	19 55	2 0	2 45	1 8	22 51	3 5	11 8	1 16	23 25	0 2	14 9	2 29	7 44	0 37	8 57	1 47	24 49	13 32	22 35	22 37	6 35	17 23	4 8
T 28	5 26	17 12	2 55	3 41	0 59	23 8	3 8	10 51	1 16	23 26	0 2	14 8	2 29	7 43	0 37	8 58	1 47	24 49	13 32	22 35	22 38	6 33	17 22	4 8
F 29	5 49	13 49	3 42	4 39	0 50	23 24	3 12	10 34	1 16	23 26	0 2	14 7	2 29	7 42	0 37	8 59	1 47	24 50	13 31	22 36	22 38	6 30	17 21	4 9
S 30	6 11	9 53	4 19	5 36	0 40	23 40	3 15	10 17	1 16	23 27	0 2	14 6	2 29	7 41	0 37	9 0	1 47	24 50	13 31	22 37	22 39	6 28	17 20	4 9
S 31	6n34	5n35	4n44	6n34	0s31	23n55	3n18	10s 0	1s17	23n27	0n 3	14s 5	2n29	7s40	0n37	9n 0	1s47	24n50	13n31	22n39	22n39	6n25	17s19	4n10

Julian Day Number = 2166356.5, Delta T = 12m43s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'07, Lahiri = 12°58'08 Julian Calendar 1 March 1219 == Greg. Calendar 8 March 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

APRIL 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 2 59	17♈36'36	8♎48	19♈59	3♊10	8♓12	24♊19	15°R 7	20°R59	27♈38	28°R 0	15°R13	15♋20	25♍ 6	6°R 8	M 1
T 2	13 6 56	18°35'06	20°46	22° 7	4° 9	8°59	24°27	15♏ 3	20♎57	27°40	27♌59	14♋59	15°17	25°13	6♐ 6	T 2
W 3	13 10 52	19°33'34	2♏50	24°14	5° 7	9°45	24°36	15° 0	20°54	27°42	27°58	14°45	15°13	25°20	6° 4	W 3
T 4	13 14 49	20°32'00	15° 1	26°22	6° 4	10°31	24°45	14°56	20°52	27°45	27°58	14°33	15°10	25°26	6° 2	T 4
F 5	13 18 45	21°30'25	27°19	28°29	7° 1	11°18	24°54	14°52	20°49	27°47	27°57	14°24	15° 7	25°33	6° 0	F 5
S 6	13 22 42	22°28'48	9♐47	0♉35	7°58	12° 4	25° 4	14°48	20°47	27°49	27°56	14°17	15° 4	25°40	5°57	S 6
S 7	13 26 38	23°27'09	22°26	2°41	8°54	12°50	25°13	14°44	20°44	27°51	27°55	14°13	15° 1	25°46	5°55	S 7
M 8	13 30 35	24°25'29	5♑20	4°44	9°49	13°37	25°22	14°40	20°42	27°54	27°54	14°12	14°57	25°53	5°52	M 8
T 9	13 34 32	25°23'47	18°32	6°46	10°44	14°23	25°32	14°36	20°39	27°56	27°54	14°11	14°54	26° 0	5°50	T 9
W10	13 38 28	26°22'03	2♒ 4	8°47	11°39	15° 9	25°42	14°32	20°37	27°58	27°53	14°11	14°51	26° 7	5°47	W10
T 11	13 42 25	27°20'18	15°59	10°45	12°33	15°55	25°51	14°28	20°34	28° 1	27°52	14°10	14°48	26°13	5°44	T 11
F 12	13 46 21	28°18'32	0♓17	12°40	13°26	16°41	26° 1	14°24	20°31	28° 3	27°52	14° 7	14°45	26°20	5°41	F 12
S 13	13 50 18	29°16'44	14°56	14°32	14°18	17°28	26°11	14°19	20°29	28° 5	27°51	14° 2	14°42	26°27	5°39	S 13
S 14	13 54 14	0♉14'54	29°53	16°22	15°10	18°14	26°21	14°15	20°26	28° 7	27°51	13°53	14°38	26°33	5°36	S 14
M15	13 58 11	1°13'03	14♈58	18° 8	16° 2	19° 0	26°32	14°11	20°24	28°10	27°50	13°44	14°35	26°40	5°33	M15
T 16	14 2 7	2°11'10	0♉ 3	19°51	16°52	19°46	26°42	14° 7	20°21	28°12	27°50	13°33	14°32	26°47	5°29	T 16
W17	14 6 4	3° 9'15	14°57	21°31	17°42	20°32	26°52	14° 2	20°19	28°14	27°49	13°23	14°29	26°54	5°26	W17
T 18	14 10 1	4° 7'19	29°31	23° 7	18°31	21°18	27° 3	13°58	20°16	28°16	27°49	13°15	14°26	27° 0	5°23	T 18
F 19	14 13 57	5° 5'21	13♊40	24°39	19°20	22° 4	27°13	13°53	20°14	28°19	27°48	13°10	14°22	27° 7	5°20	F 19
S 20	14 17 54	6° 3'21	27°20	26° 7	20° 7	22°50	27°24	13°49	20°12	28°21	27°48	13° 6	14°19	27°14	5°16	S 20
S 21	14 21 50	7° 1'20	10♋33	27°32	20°54	23°36	27°34	13°45	20° 9	28°23	27°48	13°D 5	14°16	27°20	5°13	S 21
M22	14 25 47	7°59'16	23°20	28°53	21°40	24°21	27°45	13°40	20° 7	28°25	27°47	13° 6	14°13	27°27	5° 9	M22
T 23	14 29 43	8°57'11	5♌46	0♊ 9	22°25	25° 7	27°56	13°36	20° 4	28°28	27°47	13°R 6	14°10	27°34	5° 6	T 23
W24	14 33 40	9°55'04	17°56	1°22	23° 9	25°53	28° 7	13°31	20° 2	28°30	27°47	13° 6	14° 7	27°41	5° 2	W24
T 25	14 37 36	10°52'55	29°55	2°30	23°52	26°39	28°18	13°27	20° 0	28°32	27°46	13° 4	14° 3	27°47	4°59	T 25
F 26	14 41 33	11°50'44	11♍48	3°34	24°34	27°24	28°29	13°22	19°57	28°34	27°46	13° 0	14° 0	27°54	4°55	F 26
S 27	14 45 30	12°48'31	23°39	4°34	25°14	28°10	28°41	13°18	19°55	28°36	27°46	12°53	13°57	28° 1	4°51	S 27
S 28	14 49 26	13°46'17	5♎32	5°30	25°54	28°56	28°52	13°13	19°53	28°39	27°46	12°45	13°54	28° 7	4°47	S 28
M29	14 53 23	14°44'01	17°29	6°21	26°33	29°41	29° 3	13° 9	19°51	28°41	27°46	12°35	13°51	28°14	4°44	M29
T 30	14 57 19	15♉41'44	29♎34	7♊ 8	27♊10	0♈27	29♊15	13♏ 4	19♎48	28♈43	27♌46	12♋24	13♋48	28♍21	4♐40	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n56	1n 3	4n58	7n32	0s20	24n10	3n21	9s43	1s17	23n28	0n 3	14s 3	2n30	7s39	0n37	9n 1	1s47	24n50	13n31	22n40	22n39	6n23	17s19	4n11
T 2	7 19	3s33	4 58	8 30	0 10	24 24	3 24	9 26	1 17	23 28	0 3	14 2	2 30	7 38	0 37	9 2	1 47	24 50	13 30	22 42	22 40	6 21	17 18	4 11
W 3	7 41	8 3	4 45	9 27	0n 1	24 38	3 27	9 8	1 17	23 29	0 3	14 1	2 30	7 37	0 37	9 3	1 46	24 50	13 30	22 43	22 40	6 18	17 17	4 12
T 4	8 3	12 17	4 19	10 24	0 11	24 51	3 30	8 51	1 17	23 29	0 3	14 0	2 30	7 36	0 37	9 4	1 46	24 50	13 30	22 44	22 40	6 16	17 16	4 12
F 5	8 25	16 4	3 40	11 20	0 22	25 4	3 32	8 33	1 17	23 30	0 3	13 59	2 30	7 35	0 37	9 4	1 46	24 50	13 30	22 46	22 41	6 13	17 15	4 13
S 6	8 47	19 11	2 51	12 15	0 33	25 16	3 35	8 15	1 18	23 30	0 3	13 57	2 30	7 34	0 37	9 5	1 46	24 50	13 29	22 46	22 41	6 11	17 14	4 13
S 7	9 9	21 27	1 52	13 8	0 44	25 27	3 37	7 58	1 18	23 30	0 3	13 56	2 30	7 33	0 37	9 6	1 46	24 50	13 29	22 47	22 41	6 9	17 13	4 14
M 8	9 30	22 39	0 47	14 1	0 55	25 38	3 40	7 40	1 18	23 31	0 3	13 55	2 30	7 33	0 37	9 7	1 46	24 50	13 29	22 47	22 42	6 6	17 12	4 14
T 9	9 52	22 38	0s23	14 52	1 5	25 49	3 42	7 22	1 18	23 31	0 3	13 54	2 30	7 32	0 37	9 8	1 46	24 50	13 29	22 47	22 42	6 4	17 11	4 15
W10	10 13	21 18	1 33	15 40	1 15	25 58	3 44	7 4	1 18	23 32	0 4	13 52	2 30	7 31	0 37	9 8	1 46	24 50	13 28	22 47	22 43	6 1	17 10	4 15
T 11	10 34	18 39	2 40	16 27	1 25	26 8	3 46	6 46	1 18	23 32	0 4	13 51	2 30	7 30	0 37	9 9	1 46	24 50	13 28	22 47	22 43	5 59	17 9	4 16
F 12	10 55	14 49	3 38	17 12	1 34	26 16	3 48	6 28	1 18	23 33	0 4	13 50	2 30	7 29	0 37	9 10	1 46	24 50	13 28	22 47	22 43	5 56	17 8	4 16
S 13	11 16	10 1	4 24	17 55	1 43	26 25	3 49	6 10	1 18	23 33	0 4	13 49	2 30	7 28	0 37	9 11	1 46	24 50	13 27	22 48	22 44	5 54	17 7	4 17
S 14	11 36	4 31	4 53	18 35	1 52	26 32	3 51	5 52	1 18	23 33	0 4	13 47	2 30	7 27	0 37	9 12	1 46	24 50	13 27	22 49	22 44	5 52	17 6	4 17
M15	11 57	1n17	5 1	19 13	1 59	26 39	3 52	5 34	1 18	23 34	0 4	13 46	2 30	7 26	0 37	9 12	1 46	24 50	13 27	22 50	22 44	5 49	17 5	4 18
T 16	12 17	7 1	4 49	19 48	2 6	26 46	3 54	5 16	1 18	23 34	0 4	13 45	2 30	7 25	0 37	9 13	1 46	24 50	13 26	22 51	22 45	5 47	17 4	4 18
W17	12 37	12 17	4 18	20 21	2 12	26 52	3 55	4 58	1 18	23 34	0 4	13 43	2 30	7 24	0 37	9 14	1 46	24 50	13 26	22 52	22 45	5 44	17 3	4 19
T 18	12 57	16 43	3 29	20 51	2 18	26 57	3 55	4 40	1 19	23 35	0 4	13 42	2 30	7 23	0 37	9 15	1 46	24 50	13 26	22 53	22 45	5 42	17 2	4 19
F 19	13 16	20 4	2 30	21 19	2 22	27 2	3 56	4 22	1 19	23 35	0 4	13 41	2 30	7 22	0 37	9 16	1 46	24 49	13 26	22 53	22 46	5 39	17 1	4 19
S 20	13 36	22 8	1 23	21 44	2 26	27 6	3 57	4 4	1 19	23 35	0 5	13 40	2 30	7 21	0 37	9 16	1 46	24 49	13 25	22 53	22 46	5 37	17 0	4 20
S 21	13 55	22 54	0 14	22 7	2 29	27 10	3 57	3 45	1 19	23 36	0 5	13 38	2 30	7 20	0 37	9 17	1 46	24 49	13 25	22 54	22 46	5 34	16 59	4 20
M22	14 14	22 24	0n54	22 27	2 31	27 13	3 57	3 27	1 19	23 36	0 5	13 37	2 30	7 20	0 37	9 18	1 47	24 49	13 25	22 54	22 47	5 32	16 58	4 21
T 23	14 33	20 49	1 58	22 45	2 32	27 16	3 57	3 9	1 19	23 36	0 5	13 36	2 30	7 19	0 37	9 19	1 47	24 49	13 24	22 54	22 47	5 30	16 57	4 21
W24	14 51	18 17	2 55	23 1	2 33	27 18	3 57	2 51	1 19	23 36	0 5	13 34	2 30	7 18	0 37	9 20	1 47	24 49	13 24	22 54	22 47	5 27	16 56	4 22
T 25	15 9	15 1	3 43	23 14	2 32	27 20	3 57	2 32	1 19	23 37	0 5	13 33	2 30	7 17	0 37	9 20	1 47	24 48	13 24	22 54	22 48	5 25	16 55	4 22
F 26	15 27	11 11	4 21	23 25	2 31	27 21	3 56	2 14	1 19	23 37	0 5	13 32	2 30	7 16	0 37	9 21	1 47	24 48	13 23	22 54	22 48	5 22	16 54	4 22
S 27	15 45	6 56	4 47	23 34	2 28	27 22	3 55	1 56	1 18	23 37	0 5	13 30	2 30	7 15	0 37	9 22	1 47	24 48	13 23	22 55	22 48	5 20	16 53	4 23
S 28	16 2	2 25	5 2	23 41	2 24	27 22	3 54	1 38	1 18	23 37	0 5	13 29	2 30	7 14	0 37	9 23	1 47	24 48	13 23	22 56	22 49	5 17	16 52	4 23
M29	16 20	2s14	5 3	23 45	2 20	27 22	3 53	1 19	1 18	23 38	0 5	13 28	2 30	7 14	0 37	9 23	1 47	24 47	13 22	22 57	22 49	5 15	16 51	4 24
T 30	16n36	6s50	4n51	23n48	2n15	27n22	3n51	1s 1	1s18	23n38	0n 5	13s27	2n30	7s13	0n37	9n24	1s47	24n47	13n22	22n58	22n49	5n12	16s50	4n24

Julian Day Number = 2166387.5, Delta T = 12m43s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'12, Lahiri = 12°58'12 Julian Calendar 1 Apr. 1219 == Greg. Calendar 8 Apr. 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

MAY 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 1 16	16♉39'25	11♏47	7♊50	27♊47	1♈12	29♊26	13°R 0	19°R46	28♈45	27°R46	12°R14	13♋44	28♍28	4°R36	W 1
T 2	15 5 12	17°37'05	24°10	8°27	28°22	1°58	29°38	12♏56	19♎44	28°47	27°D46	12♋ 5	13°41	28°34	4♐32	T 2
F 3	15 9 9	18°34'43	6♐43	9° 0	28°55	2°43	29°49	12°51	19°42	28°49	27♌46	11°58	13°38	28°41	4°28	F 3
S 4	15 13 5	19°32'21	19°27	9°29	29°28	3°29	0♋ 1	12°47	19°40	28°52	27°46	11°53	13°35	28°48	4°24	S 4
S 5	15 17 2	20°29'57	2♑23	9°52	29°58	4°14	0°13	12°42	19°38	28°54	27°46	11°51	13°32	28°55	4°20	S 5
M 6	15 20 59	21°27'32	15°30	10°11	0♋28	4°59	0°25	12°38	19°36	28°56	27°46	11°D51	13°28	29° 1	4°16	M 6
T 7	15 24 55	22°25'07	28°52	10°25	0°56	5°44	0°36	12°33	19°34	28°58	27°46	11°51	13°25	29° 8	4°12	T 7
W 8	15 28 52	23°22'40	12♒28	10°35	1°22	6°30	0°48	12°29	19°32	29° 0	27°46	11°52	13°22	29°15	4° 8	W 8
T 9	15 32 48	24°20'12	26°21	10°39	1°46	7°15	1° 0	12°25	19°30	29° 2	27°46	11°R53	13°19	29°21	4° 4	T 9
F 10	15 36 45	25°17'44	10♓30	10°R39	2° 9	8° 0	1°13	12°20	19°28	29° 4	27°46	11°52	13°16	29°28	3°59	F 10
S 11	15 40 41	26°15'14	24°54	10°35	2°30	8°45	1°25	12°16	19°26	29° 6	27°47	11°49	13°13	29°35	3°55	S 11
S 12	15 44 38	27°12'44	9♈29	10°26	2°50	9°30	1°37	12°12	19°24	29° 8	27°47	11°44	13° 9	29°42	3°51	S 12
M13	15 48 34	28°10'13	24°11	10°13	3° 7	10°15	1°49	12° 8	19°22	29°10	27°47	11°38	13° 6	29°48	3°47	M13
T 14	15 52 31	29° 7'41	8♉53	9°56	3°23	11° 0	2° 1	12° 3	19°20	29°12	27°48	11°32	13° 3	29°55	3°43	T 14
W15	15 56 28	0♊ 5'08	23°27	9°35	3°36	11°44	2°14	11°59	19°19	29°14	27°48	11°26	13° 0	0♎ 2	3°38	W15
T 16	16 0 24	1° 2'35	7♊46	9°11	3°48	12°29	2°26	11°55	19°17	29°16	27°48	11°21	12°57	0° 8	3°34	T 16
F 17	16 4 21	2° 0'00	21°45	8°45	3°57	13°14	2°39	11°51	19°15	29°18	27°49	11°18	12°54	0°15	3°30	F 17
S 18	16 8 17	2°57'25	5♋21	8°16	4° 5	13°59	2°51	11°47	19°14	29°20	27°49	11°D16	12°50	0°22	3°26	S 18
S 19	16 12 14	3°54'48	18°33	7°44	4°10	14°43	3° 4	11°43	19°12	29°22	27°50	11°16	12°47	0°29	3°22	S 19
M20	16 16 10	4°52'10	1♌22	7°12	4°12	15°28	3°16	11°39	19°11	29°24	27°50	11°17	12°44	0°35	3°17	M20
T 21	16 20 7	5°49'32	13°51	6°39	4°R13	16°12	3°29	11°35	19° 9	29°26	27°51	11°19	12°41	0°42	3°13	T 21
W22	16 24 3	6°46'52	26° 4	6° 5	4°11	16°57	3°42	11°31	19° 8	29°28	27°51	11°20	12°38	0°49	3° 9	W22
T 23	16 28 0	7°44'11	8♍ 5	5°32	4° 7	17°41	3°54	11°28	19° 6	29°30	27°52	11°R21	12°34	0°55	3° 5	T 23
F 24	16 31 57	8°41'29	20° 0	4°59	4° 0	18°25	4° 7	11°24	19° 5	29°32	27°53	11°20	12°31	1° 2	3° 0	F 24
S 25	16 35 53	9°38'46	1♎52	4°28	3°51	19°10	4°20	11°20	19° 4	29°34	27°53	11°18	12°28	1° 9	2°56	S 25
S 26	16 39 50	10°36'02	13°47	3°59	3°39	19°54	4°33	11°17	19° 2	29°35	27°54	11°15	12°25	1°16	2°52	S 26
M27	16 43 46	11°33'17	25°48	3°33	3°25	20°38	4°46	11°13	19° 1	29°37	27°55	11°10	12°22	1°22	2°48	M27
T 28	16 47 43	12°30'32	7♏59	3° 9	3° 9	21°22	4°59	11°10	19° 0	29°39	27°55	11° 6	12°19	1°29	2°44	T 28
W29	16 51 39	13°27'45	20°22	2°49	2°50	22° 6	5°11	11° 6	18°59	29°41	27°56	11° 1	12°15	1°36	2°40	W29
T 30	16 55 36	14°24'59	2♐58	2°32	2°29	22°50	5°24	11° 3	18°58	29°42	27°57	10°57	12°12	1°43	2°36	T 30
F 31	16 59 32	15♊22'11	15♐47	2♊19	2♋ 6	23♈34	5♋37	10♏59	18♎57	29♈44	27♌58	10♋54	12♋ 9	1♎49	2♐32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n53	11s14	4n25	23n49	2n 8	27n20	3n49	0s43	1s18	23n38	0n 6	13s25	2n30	7s12	0n37	9n25	1s47	24n47	13n22	22n58	22n50	5n10	16s49	4n24
T 2	17 10	15 14	3 47	23 48	2 1	27 19	3 47	0 25	1 18	23 38	0 6	13 24	2 30	7 11	0 37	9 26	1 47	24 47	13 21	22 59	22 50	5 7	16 48	4 25
F 3	17 26	18 37	2 57	23 44	1 52	27 17	3 45	0 6	1 18	23 38	0 6	13 23	2 30	7 10	0 37	9 26	1 47	24 46	13 21	23 0	22 50	5 5	16 47	4 25
S 4	17 41	21 10	1 57	23 40	1 43	27 14	3 42	0n12	1 18	23 38	0 6	13 21	2 30	7 10	0 37	9 27	1 47	24 46	13 21	23 0	22 51	5 2	16 46	4 25
S 5	17 57	22 40	0 51	23 33	1 32	27 12	3 39	0 30	1 18	23 38	0 6	13 20	2 30	7 9	0 37	9 28	1 47	24 46	13 20	23 1	22 51	5 0	16 45	4 26
M 6	18 12	22 58	0s20	23 25	1 21	27 8	3 36	0 48	1 18	23 38	0 6	13 19	2 30	7 8	0 37	9 29	1 47	24 45	13 20	23 1	22 51	4 58	16 44	4 26
T 7	18 27	21 57	1 30	23 14	1 9	27 4	3 32	1 6	1 18	23 38	0 6	13 18	2 30	7 7	0 37	9 29	1 47	24 45	13 20	23 1	22 52	4 55	16 43	4 26
W 8	18 42	19 39	2 37	23 3	0 56	27 0	3 28	1 24	1 17	23 38	0 6	13 16	2 30	7 7	0 36	9 30	1 47	24 44	13 19	23 0	22 52	4 53	16 42	4 27
T 9	18 56	16 10	3 36	22 50	0 42	26 56	3 24	1 42	1 17	23 38	0 6	13 15	2 30	7 6	0 36	9 31	1 47	24 44	13 19	23 0	22 52	4 50	16 41	4 27
F 10	19 10	11 43	4 24	22 35	0 27	26 51	3 20	2 0	1 17	23 38	0 6	13 14	2 29	7 5	0 36	9 32	1 47	24 44	13 19	23 0	22 53	4 48	16 40	4 27
S 11	19 24	6 33	4 55	22 19	0 12	26 45	3 15	2 18	1 17	23 38	0 6	13 13	2 29	7 4	0 36	9 32	1 47	24 43	13 18	23 1	22 53	4 45	16 39	4 27
S 12	19 37	0 57	5 8	22 2	0s 4	26 40	3 9	2 36	1 17	23 38	0 7	13 12	2 29	7 4	0 36	9 33	1 47	24 43	13 18	23 1	22 53	4 43	16 38	4 28
M13	19 50	4n45	5 1	21 44	0 21	26 34	3 4	2 54	1 17	23 38	0 7	13 10	2 29	7 3	0 36	9 34	1 47	24 42	13 18	23 2	22 53	4 40	16 37	4 28
T 14	20 3	10 11	4 34	21 25	0 37	26 27	2 58	3 12	1 16	23 38	0 7	13 9	2 29	7 2	0 36	9 34	1 47	24 42	13 17	23 2	22 54	4 38	16 36	4 28
W15	20 15	15 0	3 50	21 5	0 55	26 20	2 51	3 30	1 16	23 38	0 7	13 8	2 29	7 2	0 36	9 35	1 47	24 42	13 17	23 3	22 54	4 35	16 35	4 28
T 16	20 27	18 53	2 52	20 44	1 12	26 13	2 44	3 47	1 16	23 38	0 7	13 7	2 29	7 1	0 36	9 36	1 47	24 41	13 17	23 3	22 54	4 33	16 34	4 29
F 17	20 39	21 33	1 44	20 23	1 29	26 6	2 37	4 5	1 16	23 38	0 7	13 6	2 29	7 1	0 36	9 36	1 47	24 41	13 16	23 3	22 55	4 30	16 33	4 29
S 18	20 50	22 54	0 32	20 2	1 46	25 58	2 29	4 23	1 16	23 38	0 7	13 5	2 29	7 0	0 36	9 37	1 47	24 40	13 16	23 4	22 55	4 28	16 32	4 29
S 19	21 1	22 54	0n40	19 40	2 3	25 50	2 21	4 40	1 15	23 37	0 7	13 4	2 28	6 59	0 36	9 38	1 47	24 40	13 16	23 4	22 55	4 25	16 31	4 29
M20	21 12	21 41	1 47	19 19	2 20	25 41	2 13	4 58	1 15	23 37	0 7	13 3	2 28	6 59	0 36	9 38	1 47	24 39	13 15	23 3	22 56	4 23	16 30	4 29
T 21	21 22	19 25	2 48	18 58	2 35	25 32	2 4	5 15	1 15	23 37	0 7	13 1	2 28	6 58	0 36	9 39	1 47	24 39	13 15	23 3	22 56	4 20	16 29	4 30
W22	21 32	16 20	3 40	18 37	2 50	25 23	1 54	5 32	1 14	23 37	0 7	13 0	2 28	6 58	0 36	9 40	1 47	24 38	13 15	23 3	22 56	4 18	16 28	4 30
T 23	21 42	12 36	4 21	18 17	3 4	25 13	1 45	5 50	1 14	23 36	0 8	12 59	2 28	6 57	0 36	9 40	1 47	24 38	13 14	23 3	22 57	4 15	16 27	4 30
F 24	21 51	8 26	4 51	17 59	3 17	25 3	1 34	6 7	1 14	23 36	0 8	12 58	2 28	6 57	0 36	9 41	1 47	24 37	13 14	23 3	22 57	4 13	16 26	4 30
S 25	21 59	3 58	5 8	17 42	3 29	24 53	1 24	6 24	1 14	23 36	0 8	12 57	2 27	6 56	0 36	9 41	1 47	24 37	13 14	23 3	22 57	4 10	16 25	4 30
S 26	22 8	0s40	5 12	17 26	3 40	24 42	1 12	6 41	1 13	23 36	0 8	12 57	2 27	6 56	0 36	9 42	1 47	24 36	13 13	23 4	22 57	4 7	16 24	4 30
M27	22 16	5 19	5 2	17 11	3 50	24 31	1 1	6 58	1 13	23 35	0 8	12 56	2 27	6 55	0 36	9 43	1 47	24 35	13 13	23 4	22 58	4 5	16 23	4 31
T 28	22 23	9 50	4 39	16 59	3 58	24 19	0 49	7 15	1 13	23 35	0 8	12 55	2 27	6 55	0 36	9 43	1 47	24 35	13 13	23 4	22 58	4 2	16 22	4 31
W29	22 31	14 1	4 2	16 48	4 5	24 7	0 37	7 31	1 12	23 34	0 8	12 54	2 27	6 55	0 36	9 44	1 47	24 34	13 12	23 5	22 58	4 0	16 21	4 31
T 30	22 38	17 41	3 13	16 40	4 10	23 55	0 24	7 48	1 12	23 34	0 8	12 53	2 27	6 54	0 36	9 44	1 48	24 34	13 12	23 5	22 59	3 57	16 20	4 31
F 31	22n44	20s34	2n13	16n33	4s14	23n42	0n11	8n 5	1s12	23n33	0n 8	12s52	2n26	6s54	0n36	9n45	1s48	24n33	13n12	23n 5	22n59	3n55	16s19	4n31

Julian Day Number = 2166417.5, Delta T = 12m43s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'16, Lahiri = 12°58'16 Julian Calendar 1 May 1219 == Greg. Calendar 8 May 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

JUNE 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 29	16♊19'23	28♐51	2°R10	1°R41	24♈18	5♋50	10°R56	18°R56	29♈46	27♌59	10°R52	12♋ 6	1♎56	2°R28	S 1
S 2	17 7 26	17°16'35	12♑ 9	2°D 6	1♋13	25° 1	6° 4	10♏53	18♎55	29°48	28° 0	10°D52	12° 3	2° 3	2♐24	S 2
M 3	17 11 22	18°13'47	25°39	2♊ 6	0°44	25°45	6°17	10°50	18°54	29°49	28° 0	10♋52	12° 0	2° 9	2°20	M 3
T 4	17 15 19	19°10'58	9♒21	2°11	0°13	26°29	6°30	10°47	18°53	29°51	28° 1	10°54	11°56	2°16	2°16	T 4
W 5	17 19 15	20° 8'09	23°13	2°20	29♊41	27°12	6°43	10°44	18°52	29°52	28° 2	10°55	11°53	2°23	2°12	W 5
T 6	17 23 12	21° 5'20	7♓15	2°35	29° 7	27°56	6°56	10°41	18°51	29°54	28° 3	10°56	11°50	2°30	2° 8	T 6
F 7	17 27 8	22° 2'31	21°24	2°54	28°32	28°39	7° 9	10°38	18°51	29°56	28° 4	10°R57	11°47	2°36	2° 4	F 7
S 8	17 31 5	22°59'42	5♈39	3°17	27°56	29°22	7°22	10°36	18°50	29°57	28° 5	10°56	11°44	2°43	2° 0	S 8
S 9	17 35 2	23°56'53	19°58	3°46	27°19	0♉ 6	7°36	10°33	18°49	29°59	28° 7	10°55	11°40	2°50	1°57	S 9
M10	17 38 58	24°54'05	4♉16	4°19	26°42	0°49	7°49	10°30	18°49	0♉ 0	28° 8	10°53	11°37	2°56	1°53	M10
T 11	17 42 55	25°51'16	18°31	4°57	26° 5	1°32	8° 2	10°28	18°48	0° 2	28° 9	10°51	11°34	3° 3	1°49	T 11
W12	17 46 51	26°48'28	2♊37	5°39	25°27	2°15	8°16	10°25	18°48	0° 3	28°10	10°50	11°31	3°10	1°46	W12
T 13	17 50 48	27°45'39	16°32	6°26	24°50	2°58	8°29	10°23	18°47	0° 4	28°11	10°48	11°28	3°17	1°42	T 13
F 14	17 54 44	28°42'51	0♋11	7°17	24°13	3°41	8°42	10°21	18°47	0° 6	28°12	10°47	11°25	3°23	1°39	F 14
S 15	17 58 41	29°40'02	13°32	8°13	23°37	4°24	8°56	10°19	18°47	0° 7	28°14	10°D47	11°21	3°30	1°35	S 15
S 16	18 2 37	0♋37'14	26°35	9°13	23° 2	5° 6	9° 9	10°17	18°46	0° 8	28°15	10°48	11°18	3°37	1°32	S 16
M17	18 6 34	1°34'25	9♌19	10°17	22°28	5°49	9°22	10°15	18°46	0°10	28°16	10°48	11°15	3°44	1°29	M17
T 18	18 10 31	2°31'36	21°46	11°26	21°55	6°32	9°36	10°13	18°46	0°11	28°17	10°49	11°12	3°50	1°25	T 18
W19	18 14 27	3°28'47	3♍59	12°39	21°23	7°14	9°49	10°11	18°46	0°12	28°19	10°50	11° 9	3°57	1°22	W19
T 20	18 18 24	4°25'58	16° 1	13°56	20°54	7°57	10° 3	10° 9	18°D46	0°13	28°20	10°51	11° 6	4° 4	1°19	T 20
F 21	18 22 20	5°23'09	27°57	15°16	20°26	8°39	10°16	10° 8	18°46	0°15	28°21	10°51	11° 2	4°10	1°16	F 21
S 22	18 26 17	6°20'20	9♎50	16°41	20° 0	9°21	10°29	10° 6	18°46	0°16	28°23	10°R51	10°59	4°17	1°13	S 22
S 23	18 30 13	7°17'31	21°46	18°10	19°36	10° 3	10°43	10° 5	18°46	0°17	28°24	10°51	10°56	4°24	1°10	S 23
M24	18 34 10	8°14'41	3♏49	19°43	19°14	10°45	10°56	10° 3	18°46	0°18	28°26	10°51	10°53	4°31	1° 7	M24
T 25	18 38 6	9°11'52	16° 2	21°19	18°54	11°27	11°10	10° 2	18°47	0°19	28°27	10°50	10°50	4°37	1° 5	T 25
W26	18 42 3	10° 9'03	28°30	22°59	18°37	12° 9	11°23	10° 1	18°47	0°20	28°29	10°50	10°46	4°44	1° 2	W26
T 27	18 46 0	11° 6'14	11♐16	24°43	18°22	12°51	11°36	10° 0	18°47	0°21	28°30	10°D50	10°43	4°51	0°59	T 27
F 28	18 49 56	12° 3'26	24°20	26°30	18° 9	13°33	11°50	9°59	18°47	0°22	28°32	10°50	10°40	4°58	0°57	F 28
S 29	18 53 53	13° 0'38	7♑43	28°20	17°59	14°15	12° 3	9°58	18°48	0°23	28°33	10°R50	10°37	5° 4	0°54	S 29
S 30	18 57 49	13♋57'50	21♑23	0♋13	17♊51	14♉56	12♋17	9♏57	18♎48	0♉24	28♌35	10♋50	10♋34	5♎11	0♐52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	22s27	1n 6	16n29	4s17	23n29	0s 2	8n21	1s11	23n33	0n 8	12s51	2n26	6s54	0n36	9n45	1s48	24n32	13n11	23n 6	22n59	3n52	16s19	4n31
S 2	22 56	23 6	0s 7	16 26	4 19	23 16	0 16	8 37	1 11	23 32	0 8	12 50	2 26	6 53	0 36	9 46	1 48	24 32	13 11	23 6	22 59	3 50	16 18	4 31
M 3	23 1	22 25	1 20	16 26	4 19	23 3	0 30	8 54	1 11	23 32	0 9	12 50	2 26	6 53	0 36	9 47	1 48	24 31	13 11	23 6	23 0	3 47	16 17	4 31
T 4	23 6	20 24	2 30	16 28	4 18	22 49	0 44	9 10	1 10	23 31	0 9	12 49	2 26	6 53	0 36	9 47	1 48	24 31	13 10	23 5	23 0	3 45	16 16	4 31
W 5	23 10	17 11	3 32	16 32	4 16	22 35	0 58	9 26	1 10	23 31	0 9	12 48	2 25	6 52	0 36	9 48	1 48	24 30	13 10	23 5	23 0	3 42	16 15	4 31
T 6	23 14	12 57	4 22	16 38	4 13	22 20	1 12	9 42	1 9	23 30	0 9	12 48	2 25	6 52	0 36	9 48	1 48	24 29	13 10	23 5	23 1	3 40	16 14	4 31
F 7	23 18	7 58	4 57	16 46	4 8	22 6	1 26	9 58	1 9	23 30	0 9	12 47	2 25	6 52	0 36	9 49	1 48	24 29	13 9	23 5	23 1	3 37	16 14	4 31
S 8	23 21	2 33	5 14	16 55	4 3	21 51	1 40	10 14	1 9	23 29	0 9	12 46	2 25	6 52	0 35	9 49	1 48	24 28	13 9	23 5	23 1	3 34	16 13	4 31
S 9	23 24	3n 2	5 11	17 7	3 57	21 37	1 54	10 29	1 8	23 28	0 9	12 46	2 25	6 51	0 35	9 50	1 48	24 27	13 9	23 5	23 1	3 32	16 12	4 31
M10	23 26	8 27	4 49	17 20	3 50	21 22	2 8	10 45	1 8	23 28	0 9	12 45	2 24	6 51	0 35	9 50	1 48	24 27	13 9	23 5	23 2	3 29	16 11	4 31
T 11	23 28	13 24	4 10	17 34	3 42	21 7	2 22	11 0	1 7	23 27	0 9	12 44	2 24	6 51	0 35	9 51	1 48	24 26	13 8	23 6	23 2	3 27	16 11	4 31
W12	23 30	17 35	3 15	17 50	3 34	20 53	2 35	11 16	1 7	23 26	0 9	12 44	2 24	6 51	0 35	9 51	1 48	24 25	13 8	23 6	23 2	3 24	16 10	4 31
T 13	23 31	20 42	2 10	18 7	3 24	20 38	2 48	11 31	1 6	23 25	0 9	12 43	2 24	6 51	0 35	9 51	1 48	24 25	13 8	23 6	23 3	3 22	16 9	4 31
F 14	23 32	22 34	0 58	18 25	3 15	20 24	3 1	11 46	1 6	23 25	0 10	12 43	2 23	6 51	0 35	9 52	1 48	24 24	13 7	23 6	23 3	3 19	16 9	4 31
S 15	23 32	23 6	0n15	18 44	3 4	20 10	3 13	12 1	1 5	23 24	0 10	12 42	2 23	6 51	0 35	9 52	1 48	24 23	13 7	23 6	23 3	3 17	16 8	4 31
S 16	23 32	22 20	1 26	19 4	2 53	19 56	3 25	12 16	1 5	23 23	0 10	12 42	2 23	6 51	0 35	9 53	1 48	24 23	13 7	23 6	23 3	3 14	16 7	4 31
M17	23 32	20 26	2 31	19 25	2 42	19 43	3 37	12 30	1 4	23 22	0 10	12 42	2 23	6 51	0 35	9 53	1 48	24 22	13 7	23 6	23 4	3 11	16 7	4 31
T 18	23 31	17 35	3 28	19 46	2 30	19 30	3 48	12 45	1 4	23 21	0 10	12 41	2 23	6 51	0 35	9 54	1 48	24 21	13 6	23 6	23 4	3 9	16 6	4 31
W19	23 30	14 1	4 14	20 8	2 18	19 18	3 58	12 59	1 3	23 20	0 10	12 41	2 22	6 50	0 35	9 54	1 48	24 20	13 6	23 6	23 4	3 6	16 6	4 31
T 20	23 28	9 57	4 48	20 29	2 6	19 6	4 8	13 13	1 3	23 20	0 10	12 41	2 22	6 51	0 35	9 54	1 49	24 20	13 6	23 6	23 4	3 4	16 5	4 31
F 21	23 26	5 32	5 9	20 51	1 53	18 55	4 17	13 28	1 2	23 19	0 10	12 40	2 22	6 51	0 35	9 55	1 49	24 19	13 6	23 6	23 5	3 1	16 5	4 31
S 22	23 23	0 56	5 17	21 12	1 40	18 44	4 26	13 42	1 2	23 18	0 10	12 40	2 22	6 51	0 35	9 55	1 49	24 18	13 5	23 6	23 5	2 59	16 4	4 31
S 23	23 20	3s42	5 11	21 34	1 27	18 35	4 34	13 55	1 1	23 17	0 10	12 40	2 21	6 51	0 35	9 55	1 49	24 17	13 5	23 6	23 5	2 56	16 4	4 31
M24	23 17	8 16	4 52	21 54	1 14	18 25	4 42	14 9	1 1	23 16	0 10	12 40	2 21	6 51	0 35	9 56	1 49	24 17	13 5	23 6	23 6	2 53	16 3	4 31
T 25	23 13	12 34	4 19	22 14	1 1	18 17	4 48	14 23	1 0	23 15	0 11	12 40	2 21	6 51	0 35	9 56	1 49	24 16	13 5	23 6	23 6	2 51	16 3	4 31
W26	23 9	16 26	3 34	22 33	0 49	18 9	4 55	14 36	1 0	23 14	0 11	12 39	2 21	6 51	0 35	9 56	1 49	24 15	13 4	23 6	23 6	2 48	16 2	4 31
T 27	23 4	19 38	2 37	22 50	0 36	18 2	5 0	14 49	0 59	23 13	0 11	12 39	2 20	6 51	0 35	9 57	1 49	24 14	13 4	23 6	23 6	2 46	16 2	4 30
F 28	22 59	21 55	1 30	23 6	0 23	17 56	5 6	15 3	0 58	23 11	0 11	12 39	2 20	6 51	0 35	9 57	1 49	24 14	13 4	23 6	23 7	2 43	16 1	4 30
S 29	22 54	23 2	0 17	23 21	0 11	17 51	5 10	15 16	0 58	23 10	0 11	12 39	2 20	6 52	0 35	9 57	1 49	24 13	13 4	23 6	23 7	2 41	16 1	4 30
S 30	22n48	22s47	0s58	23n33	0n 1	17n46	5s14	15n28	0s57	23n 9	0n11	12s39	2n20	6s52	0n35	9n57	1s49	24n12	13n 4	23n 6	23n 7	2n38	16s 1	4n30

Julian Day Number = 2166448.5, Delta T = 12m42s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'20, Lahiri = 12°58'20 Julian Calendar 1 June 1219 == Greg. Calendar 8 June 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

JULY 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 1 46	14♋55'03	5♒20	2♋ 8	17°R45	15♉38	12♋30	9°R56	18♎49	0♉25	28♌36	10°R50	10♋31	5♎18	0°R49	M 1
T 2	19 5 42	15°52'17	19°29	4° 7	17♊42	16°19	12°44	9♏56	18°49	0°26	28°38	10♋50	10°27	5°24	0♐47	T 2
W 3	19 9 39	16°49'31	3♓45	6° 7	17°D42	17° 0	12°57	9°55	18°50	0°27	28°40	10°49	10°24	5°31	0°45	W 3
T 4	19 13 35	17°46'46	18° 6	8° 9	17°43	17°41	13°10	9°55	18°51	0°27	28°41	10°48	10°21	5°38	0°43	T 4
F 5	19 17 32	18°44'01	2♈27	10°13	17°47	18°23	13°24	9°55	18°52	0°28	28°43	10°48	10°18	5°45	0°41	F 5
S 6	19 21 29	19°41'18	16°44	12°18	17°53	19° 4	13°37	9°54	18°52	0°29	28°45	10°D47	10°15	5°51	0°39	S 6
S 7	19 25 25	20°38'36	0♉54	14°24	18° 2	19°45	13°50	9°54	18°53	0°30	28°46	10°48	10°12	5°58	0°37	S 7
M 8	19 29 22	21°35'55	14°56	16°30	18°12	20°25	14° 4	9°D54	18°54	0°30	28°48	10°48	10° 8	6° 5	0°35	M 8
T 9	19 33 18	22°33'14	28°48	18°37	18°25	21° 6	14°17	9°54	18°55	0°31	28°50	10°49	10° 5	6°11	0°34	T 9
W10	19 37 15	23°30'35	12♊28	20°43	18°39	21°47	14°31	9°54	18°56	0°32	28°52	10°50	10° 2	6°18	0°32	W10
T 11	19 41 11	24°27'57	25°56	22°50	18°56	22°27	14°44	9°55	18°57	0°32	28°53	10°51	9°59	6°25	0°31	T 11
F 12	19 45 8	25°25'20	9♋10	24°56	19°14	23° 8	14°57	9°55	18°58	0°33	28°55	10°R51	9°56	6°32	0°29	F 12
S 13	19 49 4	26°22'44	22°11	27° 1	19°34	23°48	15°10	9°56	18°59	0°33	28°57	10°51	9°52	6°38	0°28	S 13
S 14	19 53 1	27°20'09	4♌58	29° 5	19°56	24°28	15°24	9°56	19° 0	0°34	28°59	10°50	9°49	6°45	0°27	S 14
M15	19 56 58	28°17'34	17°31	1♌ 9	20°20	25° 9	15°37	9°57	19° 2	0°34	29° 1	10°48	9°46	6°52	0°26	M15
T 16	20 0 54	29°15'01	29°52	3°11	20°45	25°49	15°50	9°57	19° 3	0°35	29° 2	10°45	9°43	6°59	0°25	T 16
W17	20 4 51	0♌12'28	12♍ 1	5°12	21°12	26°28	16° 3	9°58	19° 4	0°35	29° 4	10°42	9°40	7° 5	0°24	W17
T 18	20 8 47	1° 9'56	24° 1	7°11	21°40	27° 8	16°17	9°59	19° 6	0°35	29° 6	10°39	9°37	7°12	0°23	T 18
F 19	20 12 44	2° 7'25	5♎56	9°10	22°10	27°48	16°30	10° 0	19° 7	0°36	29° 8	10°37	9°33	7°19	0°22	F 19
S 20	20 16 40	3° 4'55	17°49	11° 6	22°42	28°28	16°43	10° 1	19° 9	0°36	29°10	10°35	9°30	7°25	0°21	S 20
S 21	20 20 37	4° 2'25	29°43	13° 2	23°14	29° 7	16°56	10° 3	19°10	0°36	29°12	10°D34	9°27	7°32	0°21	S 21
M22	20 24 33	4°59'57	11♏44	14°55	23°48	29°46	17° 9	10° 4	19°12	0°36	29°14	10°34	9°24	7°39	0°20	M22
T 23	20 28 30	5°57'29	23°57	16°48	24°23	0♊26	17°22	10° 5	19°13	0°37	29°16	10°35	9°21	7°46	0°20	T 23
W24	20 32 27	6°55'03	6♐25	18°38	25° 0	1° 5	17°35	10° 7	19°15	0°37	29°18	10°37	9°18	7°52	0°19	W24
T 25	20 36 23	7°52'37	19°13	20°28	25°38	1°44	17°48	10° 9	19°17	0°37	29°20	10°38	9°14	7°59	0°19	T 25
F 26	20 40 20	8°50'13	2♑24	22°15	26°17	2°23	18° 1	10°10	19°19	0°37	29°22	10°39	9°11	8° 6	0°19	F 26
S 27	20 44 16	9°47'49	15°59	24° 2	26°56	3° 1	18°14	10°12	19°21	0°37	29°24	10°R39	9° 8	8°13	0°D19	S 27
S 28	20 48 13	10°45'27	29°58	25°47	27°38	3°40	18°27	10°14	19°22	0°R37	29°26	10°38	9° 5	8°19	0°19	S 28
M29	20 52 9	11°43'06	14♒18	27°30	28°20	4°19	18°40	10°16	19°24	0°37	29°28	10°36	9° 2	8°26	0°19	M29
T 30	20 56 6	12°40'46	28°54	29°12	29° 3	4°57	18°52	10°18	19°26	0°37	29°30	10°32	8°58	8°33	0°20	T 30
W31	21 0 2	13♌38'28	13♓38	0♍52	29♊47	5♊35	19♋ 5	10♏20	19♎28	0♉37	29♌32	10♋27	8♋55	8♎39	0♐20	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n42	21s 9	2s12	23n44	0n13	17n42	5s18	15n41	0s57	23n 8	0n11	12s39	2n19	6s52	0n35	9n58	1s49	24n11	13n 3	23n 6	23n 7	2n35	16s 0	4n30
T 2	22 36	18 10	3 18	23 52	0 24	17 39	5 21	15 54	0 56	23 7	0 11	12 39	2 19	6 52	0 35	9 58	1 49	24 11	13 3	23 6	23 8	2 33	16 0	4 30
W 3	22 29	14 6	4 13	23 58	0 34	17 36	5 23	16 6	0 55	23 6	0 11	12 39	2 19	6 53	0 35	9 58	1 49	24 10	13 3	23 6	23 8	2 30	16 0	4 30
T 4	22 21	9 12	4 52	24 1	0 44	17 34	5 26	16 18	0 55	23 4	0 11	12 39	2 19	6 53	0 35	9 58	1 49	24 9	13 3	23 6	23 8	2 28	15 59	4 30
F 5	22 13	3 48	5 13	24 2	0 54	17 33	5 27	16 30	0 54	23 3	0 12	12 40	2 18	6 53	0 34	9 59	1 49	24 8	13 3	23 6	23 8	2 25	15 59	4 29
S 6	22 5	1n45	5 15	24 0	1 2	17 32	5 29	16 42	0 53	23 2	0 12	12 40	2 18	6 54	0 34	9 59	1 49	24 7	13 2	23 6	23 9	2 22	15 59	4 29
S 7	21 57	7 12	4 57	23 55	1 10	17 32	5 29	16 54	0 53	23 1	0 12	12 40	2 18	6 54	0 34	9 59	1 50	24 7	13 2	23 6	23 9	2 20	15 59	4 29
M 8	21 48	12 12	4 22	23 48	1 17	17 32	5 30	17 6	0 52	22 59	0 12	12 40	2 17	6 54	0 34	9 59	1 50	24 6	13 2	23 6	23 9	2 17	15 59	4 29
T 9	21 39	16 31	3 32	23 37	1 24	17 33	5 30	17 17	0 51	22 58	0 12	12 41	2 17	6 55	0 34	9 59	1 50	24 5	13 2	23 6	23 9	2 15	15 58	4 29
W10	21 29	19 54	2 31	23 24	1 29	17 35	5 30	17 28	0 51	22 57	0 12	12 41	2 17	6 55	0 34	9 59	1 50	24 4	13 2	23 6	23 10	2 12	15 58	4 29
T 11	21 19	22 7	1 22	23 9	1 34	17 37	5 29	17 39	0 50	22 55	0 12	12 41	2 17	6 55	0 34	10 0	1 50	24 4	13 2	23 6	23 10	2 9	15 58	4 28
F 12	21 9	23 4	0 9	22 50	1 38	17 39	5 28	17 50	0 49	22 54	0 12	12 42	2 16	6 56	0 34	10 0	1 50	24 3	13 1	23 6	23 10	2 7	15 58	4 28
S 13	20 58	22 44	1n 2	22 30	1 41	17 42	5 27	18 1	0 49	22 53	0 12	12 42	2 16	6 56	0 34	10 0	1 50	24 2	13 1	23 6	23 10	2 4	15 58	4 28
S 14	20 47	21 12	2 9	22 7	1 44	17 45	5 26	18 12	0 48	22 51	0 12	12 42	2 16	6 57	0 34	10 0	1 50	24 1	13 1	23 6	23 10	2 2	15 58	4 28
M15	20 35	18 38	3 9	21 42	1 46	17 48	5 24	18 22	0 47	22 50	0 13	12 43	2 16	6 57	0 34	10 0	1 50	24 0	13 1	23 6	23 11	1 59	15 58	4 28
T 16	20 24	15 17	3 58	21 15	1 47	17 52	5 22	18 32	0 46	22 48	0 13	12 43	2 15	6 58	0 34	10 0	1 50	24 0	13 1	23 6	23 11	1 56	15 58	4 27
W17	20 11	11 20	4 36	20 47	1 47	17 56	5 20	18 43	0 46	22 47	0 13	12 44	2 15	6 58	0 34	10 0	1 50	23 59	13 1	23 6	23 11	1 54	15 58	4 27
T 18	19 59	6 59	5 1	20 16	1 47	18 0	5 17	18 52	0 45	22 45	0 13	12 44	2 15	6 59	0 34	10 0	1 50	23 58	13 1	23 7	23 11	1 51	15 58	4 27
F 19	19 46	2 25	5 13	19 44	1 46	18 4	5 15	19 2	0 44	22 44	0 13	12 45	2 15	7 0	0 34	10 0	1 50	23 57	13 0	23 7	23 12	1 48	15 58	4 27
S 20	19 33	2s13	5 12	19 11	1 44	18 9	5 12	19 12	0 43	22 42	0 13	12 46	2 14	7 0	0 34	10 0	1 50	23 56	13 0	23 7	23 12	1 46	15 58	4 26
S 21	19 20	6 47	4 57	18 37	1 42	18 14	5 9	19 21	0 42	22 41	0 13	12 46	2 14	7 1	0 34	10 0	1 50	23 56	13 0	23 7	23 12	1 43	15 58	4 26
M22	19 6	11 9	4 29	18 1	1 40	18 18	5 6	19 31	0 42	22 39	0 13	12 47	2 14	7 1	0 34	10 0	1 50	23 55	13 0	23 7	23 12	1 41	15 58	4 26
T 23	18 52	15 9	3 49	17 24	1 37	18 23	5 2	19 40	0 41	22 38	0 13	12 48	2 14	7 2	0 34	10 0	1 51	23 54	13 0	23 7	23 13	1 38	15 58	4 26
W24	18 37	18 34	2 57	16 47	1 33	18 28	4 59	19 49	0 40	22 36	0 13	12 48	2 13	7 3	0 34	10 0	1 51	23 53	13 0	23 7	23 13	1 35	15 59	4 26
T 25	18 23	21 12	1 55	16 8	1 29	18 33	4 55	19 57	0 39	22 35	0 14	12 49	2 13	7 4	0 34	10 0	1 51	23 52	13 0	23 7	23 13	1 33	15 59	4 25
F 26	18 8	22 46	0 45	15 29	1 25	18 38	4 51	20 6	0 38	22 33	0 14	12 50	2 13	7 4	0 34	10 0	1 51	23 52	13 0	23 7	23 13	1 30	15 59	4 25
S 27	17 52	23 4	0s29	14 49	1 20	18 43	4 47	20 14	0 38	22 31	0 14	12 51	2 13	7 5	0 34	10 0	1 51	23 51	13 0	23 7	23 13	1 27	15 59	4 25
S 28	17 37	21 56	1 44	14 9	1 14	18 48	4 43	20 22	0 37	22 30	0 14	12 51	2 12	7 6	0 34	10 0	1 51	23 50	13 0	23 7	23 14	1 25	15 59	4 25
M29	17 21	19 22	2 53	13 28	1 9	18 53	4 39	20 30	0 36	22 28	0 14	12 52	2 12	7 6	0 34	10 0	1 51	23 49	13 0	23 7	23 14	1 22	16 0	4 24
T 30	17 4	15 33	3 53	12 47	1 3	18 58	4 35	20 38	0 35	22 26	0 14	12 53	2 12	7 7	0 34	10 0	1 51	23 48	13 0	23 7	23 14	1 19	16 0	4 24
W31	16n48	10s44	4s38	12n 6	0n57	19n 2	4s30	20n46	0s34	22n25	0n14	12s54	2n11	7s 8	0n34	10n 0	1s51	23n48	13n 0	23n 8	23n14	1n17	16s 0	4n24

Julian Day Number = 2166478.5, Delta T = 12m42s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'24, Lahiri = 12°58'25 Julian Calendar 1 July 1219 == Greg. Calendar 8 July 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

AUGUST 1219 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 3 59	14♌36'11	28♓24	2♍31	0♋32	6♊14	19♋18	10♏23	19♎30	0°R37	29♌34	10°R22	8♋52	8♎46	0♐20	T 1
F 2	21 7 56	15°33'55	13♈ 5	4° 9	1°17	6°52	19°31	10°25	19°32	0♉37	29°36	10♋18	8°49	8°53	0°21	F 2
S 3	21 11 52	16°31'42	27°33	5°45	2° 4	7°30	19°43	10°27	19°35	0°36	29°38	10°15	8°46	9° 0	0°22	S 3
S 4	21 15 49	17°29'30	11♉46	7°20	2°52	8° 7	19°56	10°30	19°37	0°36	29°40	10°D14	8°43	9° 6	0°22	S 4
M 5	21 19 45	18°27'20	25°42	8°53	3°40	8°45	20° 8	10°32	19°39	0°36	29°42	10°14	8°39	9°13	0°23	M 5
T 6	21 23 42	19°25'12	9♊20	10°25	4°29	9°23	20°21	10°35	19°41	0°36	29°44	10°15	8°36	9°20	0°24	T 6
W 7	21 27 38	20°23'06	22°41	11°55	5°19	10° 0	20°33	10°38	19°44	0°35	29°46	10°17	8°33	9°26	0°25	W 7
T 8	21 31 35	21°21'02	5♋47	13°25	6° 9	10°37	20°46	10°41	19°46	0°35	29°48	10°R18	8°30	9°33	0°26	T 8
F 9	21 35 31	22°19'00	18°40	14°52	7° 0	11°14	20°58	10°44	19°48	0°35	29°50	10°17	8°27	9°40	0°27	F 9
S 10	21 39 28	23°16'59	1♌20	16°19	7°52	11°51	21°10	10°47	19°51	0°34	29°52	10°15	8°23	9°47	0°29	S 10
S 11	21 43 25	24°15'00	13°50	17°43	8°45	12°28	21°23	10°50	19°53	0°34	29°54	10°11	8°20	9°53	0°30	S 11
M12	21 47 21	25°13'02	26°10	19° 7	9°38	13° 5	21°35	10°53	19°56	0°33	29°56	10° 5	8°17	10° 0	0°32	M12
T 13	21 51 18	26°11'06	8♍21	20°29	10°32	13°42	21°47	10°57	19°58	0°33	29°58	9°57	8°14	10° 7	0°33	T 13
W14	21 55 14	27° 9'12	20°24	21°49	11°26	14°18	21°59	11° 0	20° 1	0°32	0♍ 0	9°48	8°11	10°14	0°35	W14
T 15	21 59 11	28° 7'20	2♎20	23° 8	12°21	14°54	22°11	11° 3	20° 4	0°32	0° 3	9°39	8° 8	10°20	0°37	T 15
F 16	22 3 7	29° 5'29	14°13	24°25	13°16	15°30	22°23	11° 7	20° 6	0°31	0° 5	9°31	8° 4	10°27	0°38	F 16
S 17	22 7 4	0♍ 3'39	26° 4	25°40	14°12	16° 6	22°35	11°11	20° 9	0°31	0° 7	9°24	8° 1	10°34	0°40	S 17
S 18	22 11 0	1° 1'51	7♏56	26°54	15° 9	16°42	22°47	11°14	20°12	0°30	0° 9	9°19	7°58	10°40	0°42	S 18
M19	22 14 57	2° 0'05	19°55	28° 6	16° 6	17°18	22°59	11°18	20°14	0°29	0°11	9°16	7°55	10°47	0°45	M19
T 20	22 18 54	2°58'20	2♐ 4	29°16	17° 3	17°53	23°10	11°22	20°17	0°29	0°13	9°D15	7°52	10°54	0°47	T 20
W21	22 22 50	3°56'37	14°29	0♎24	18° 1	18°28	23°22	11°26	20°20	0°28	0°15	9°16	7°49	11° 1	0°49	W21
T 22	22 26 47	4°54'55	27°13	1°30	18°59	19° 4	23°34	11°30	20°23	0°27	0°17	9°17	7°45	11° 7	0°52	T 22
F 23	22 30 43	5°53'15	10♑23	2°33	19°58	19°39	23°45	11°34	20°26	0°26	0°19	9°R17	7°42	11°14	0°54	F 23
S 24	22 34 40	6°51'37	24° 0	3°34	20°57	20°13	23°56	11°38	20°29	0°25	0°21	9°16	7°39	11°21	0°57	S 24
S 25	22 38 36	7°50'00	8♒ 5	4°33	21°57	20°48	24° 8	11°43	20°32	0°25	0°23	9°13	7°36	11°28	0°59	S 25
M26	22 42 33	8°48'25	22°37	5°29	22°56	21°22	24°19	11°47	20°35	0°24	0°25	9° 8	7°33	11°34	1° 2	M26
T 27	22 46 29	9°46'52	7♓30	6°22	23°57	21°57	24°30	11°51	20°38	0°23	0°28	9° 0	7°29	11°41	1° 5	T 27
W28	22 50 26	10°45'21	22°37	7°12	24°58	22°31	24°41	11°56	20°41	0°22	0°30	8°51	7°26	11°48	1° 8	W28
T 29	22 54 23	11°43'51	7♈47	7°59	25°59	23° 5	24°52	12° 1	20°44	0°21	0°32	8°42	7°23	11°54	1°11	T 29
F 30	22 58 19	12°42'24	22°50	8°42	27° 0	23°38	25° 3	12° 5	20°47	0°20	0°34	8°33	7°20	12° 1	1°14	F 30
S 31	23 2 16	13♍40'59	7♉36	9♎22	28♋ 2	24♊12	25♋14	12♏10	20♎50	0♉19	0♍36	8♋27	7♋17	12♎ 8	1♐17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n31	5s17	5s 4	11n24	0n50	19n 7	4s26	20n54	0s33	22n23	0n14	12s55	2n11	7s 9	0n34	10n 0	1s51	23n47	12n59	23n 8	23n15	1n14	16s 1	4n24	
F 2	16 14	0n25	5 11	10 42	0 43	19 11	4 21	21 1	0 32	22 21	0 14	12 56	2 11	7 10	0 33	10 0	1 51	23 46	12 59	23 8	23 15	1 12	16 1	4 23	
S 3	15 57	6 1	4 57	10 0	0 36	19 15	4 17	21 8	0 31	22 19	0 15	12 57	2 11	7 10	0 33	10 0	1 51	23 45	12 59	23 9	23 15	1 9	16 1	4 23	
S 4	15 39	11 13	4 25	9 18	0 29	19 19	4 12	21 15	0 30	22 18	0 15	12 58	2 10	7 11	0 33	10 0	1 51	23 45	12 59	23 9	23 15	1 6	16 2	4 23	
M 5	15 22	15 44	3 39	8 36	0 21	19 23	4 7	21 22	0 30	22 16	0 15	12 59	2 10	7 12	0 33	10 0	1 51	23 44	12 59	23 9	23 15	1 4	16 2	4 23	
T 6	15 4	19 18	2 40	7 54	0 14	19 26	4 2	21 29	0 29	22 14	0 15	13 0	2 10	7 13	0 33	9 59	1 51	23 43	12 59	23 9	23 16	1 1	16 3	4 22	
W 7	14 45	21 46	1 34	7 12	0 6	19 29	3 57	21 35	0 28	22 12	0 15	13 1	2 10	7 14	0 33	9 59	1 51	23 42	12 59	23 8	23 16	0 58	16 3	4 22	
T 8	14 27	23 0	0 24	6 31	0s 2	19 32	3 52	21 42	0 27	22 11	0 15	13 2	2 9	7 15	0 33	9 59	1 52	23 42	12 59	23 8	23 16	0 56	16 3	4 22	
F 9	14 8	22 59	0n45	5 49	0 10	19 35	3 47	21 48	0 26	22 9	0 15	13 4	2 9	7 16	0 33	9 59	1 52	23 41	12 59	23 8	23 16	0 53	16 4	4 22	
S 10	13 49	21 45	1 51	5 8	0 19	19 37	3 42	21 54	0 25	22 7	0 15	13 5	2 9	7 17	0 33	9 59	1 52	23 40	12 59	23 9	23 16	0 50	16 4	4 21	
S 11	13 30	19 28	2 51	4 27	0 27	19 39	3 37	22 0	0 24	22 5	0 16	13 6	2 9	7 18	0 33	9 58	1 52	23 39	12 59	23 9	23 17	0 48	16 5	4 21	
M12	13 10	16 19	3 42	3 47	0 36	19 40	3 31	22 5	0 23	22 4	0 16	13 7	2 9	7 19	0 33	9 58	1 52	23 39	12 59	23 9	23 17	0 45	16 6	4 21	
T 13	12 51	12 31	4 22	3 6	0 45	19 42	3 26	22 11	0 22	22 2	0 16	13 8	2 8	7 20	0 33	9 58	1 52	23 38	12 59	23 10	23 17	0 42	16 6	4 21	
W14	12 31	8 15	4 49	2 27	0 53	19 43	3 21	22 16	0 21	22 0	0 16	13 10	2 8	7 21	0 33	9 58	1 52	23 37	13 0	23 11	23 17	0 40	16 7	4 20	
T 15	12 11	3 43	5 4	1 47	1 2	19 43	3 15	22 21	0 20	21 58	0 16	13 11	2 8	7 22	0 33	9 58	1 52	23 36	13 0	23 11	23 17	0 37	16 7	4 20	
F 16	11 50	0s56	5 5	1 9	1 11	19 43	3 10	22 26	0 19	21 56	0 16	13 12	2 8	7 23	0 33	9 57	1 52	23 36	13 0	23 12	23 18	0 34	16 8	4 20	
S 17	11 30	5 33	4 54	0 30	1 20	19 43	3 5	22 31	0 18	21 54	0 16	13 14	2 7	7 24	0 33	9 57	1 52	23 35	13 0	23 12	23 18	0 32	16 9	4 20	
S 18	11 9	9 58	4 29	0s 7	1 29	19 42	2 59	22 36	0 17	21 53	0 16	13 15	2 7	7 25	0 33	9 57	1 52	23 34	13 0	23 13	23 18	0 29	16 9	4 19	
M19	10 48	14 3	3 53	0 44	1 38	19 41	2 54	22 40	0 16	21 51	0 17	13 16	2 7	7 26	0 33	9 56	1 52	23 34	13 0	23 13	23 18	0 26	16 10	4 19	
T 20	10 27	17 38	3 6	1 20	1 46	19 40	2 49	22 45	0 15	21 49	0 17	13 18	2 7	7 27	0 33	9 56	1 52	23 33	13 0	23 13	23 18	0 24	16 11	4 19	
W21	10 6	20 30	2 9	1 55	1 55	19 38	2 43	22 49	0 13	21 47	0 17	13 19	2 6	7 28	0 33	9 56	1 52	23 32	13 0	23 13	23 19	0 21	16 11	4 19	
T 22	9 45	22 26	1 4	2 29	2 4	19 35	2 38	22 53	0 12	21 45	0 17	13 21	2 6	7 29	0 33	9 55	1 52	23 31	13 0	23 13	23 19	0 18	16 12	4 18	
F 23	9 23	23 14	0s 6	3 3	2 13	19 32	2 32	22 57	0 11	21 43	0 17	13 22	2 6	7 30	0 33	9 55	1 52	23 31	13 0	23 13	23 19	0 16	16 13	4 18	
S 24	9 2	22 41	1 18	3 35	2 21	19 29	2 27	23 1	0 10	21 41	0 17	13 24	2 6	7 32	0 33	9 55	1 52	23 30	13 0	23 13	23 19	0 13	16 14	4 18	
S 25	8 40	20 42	2 28	4 6	2 30	19 25	2 21	23 4	0 9	21 40	0 17	13 25	2 6	7 33	0 33	9 54	1 53	23 29	13 0	23 13	23 19	0 10	16 14	4 18	
M26	8 18	17 20	3 30	4 36	2 38	19 21	2 16	23 8	0 8	21 38	0 17	13 27	2 5	7 34	0 33	9 54	1 53	23 29	13 1	23 13	23 19	0 8	16 15	4 17	
T 27	7 56	12 48	4 19	5 5	2 46	19 16	2 10	23 11	0 7	21 36	0 18	13 28	2 5	7 35	0 33	9 54	1 53	23 28	13 1	23 14	23 20	0 5	16 16	4 17	
W28	7 34	7 24	4 51	5 32	2 54	19 11	2 5	23 14	0 6	21 34	0 18	13 30	2 5	7 36	0 33	9 53	1 53	23 28	13 1	23 15	23 20	0 2	16 17	4 17	
T 29	7 12	1 32	5 3	5 57	3 1	19 5	2 0	23 17	0 4	21 32	0 18	13 32	2 5	7 37	0 33	9 53	1 53	23 27	13 1	23 15	23 20	0s 0	16 18	4 17	
F 30	6 49	4n22	4 54	6 21	3 8	18 59	1 54	23 20	0 3	21 30	0 18	13 33	2 4	7 39	0 33	9 53	1 53	23 26	13 1	23 16	23 20	0 3	16 18	4 17	
S 31	6n27	9n55	4s25	6s43	3s15	18n52	1s49	23n23	0s 2	21n28	0n18	13s35	2n 4	7s40	0n33	9n52	1s53	23n26	13n 1	23n16	23n20	0s 6	16s19	4n16	

Julian Day Number = 2166509.5, Delta T = 12m42s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'28, Lahiri = 12°58'29 Julian Calendar 1 Aug. 1219 == Greg. Calendar 8 Aug. 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

SEPTEMBER 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 6 12	14♍39'36	22♉ 1	9♎57	29♋ 4	24♊45	25♋25	12♏15	20♎54	0°R18	0♍38	8°R22	7♋14	12♎15	1♐20	S 1
M 2	23 10 9	15°38'15	6♊ 1	10°28	0♌ 7	25°18	25°36	12°19	20°57	0♉17	0°40	8♋20	7°10	12°21	1°24	M 2
T 3	23 14 5	16°36'57	19°37	10°54	1°10	25°51	25°46	12°24	21° 0	0°16	0°42	8°D20	7° 7	12°28	1°27	T 3
W 4	23 18 2	17°35'41	2♋50	11°15	2°13	26°24	25°57	12°29	21° 3	0°15	0°44	8°R20	7° 4	12°35	1°31	W 4
T 5	23 21 58	18°34'28	15°44	11°30	3°16	26°57	26° 7	12°34	21° 7	0°13	0°46	8°20	7° 1	12°41	1°34	T 5
F 6	23 25 55	19°33'16	28°22	11°39	4°20	27°29	26°18	12°39	21°10	0°12	0°48	8°18	6°58	12°48	1°38	F 6
S 7	23 29 52	20°32'07	10♌47	11°R42	5°24	28° 1	26°28	12°45	21°13	0°11	0°50	8°14	6°55	12°55	1°42	S 7
S 8	23 33 48	21°31'00	23° 2	11°39	6°29	28°33	26°38	12°50	21°17	0°10	0°52	8° 7	6°51	13° 2	1°45	S 8
M 9	23 37 45	22°29'56	5♍10	11°28	7°33	29° 5	26°48	12°55	21°20	0° 9	0°54	7°57	6°48	13° 8	1°49	M 9
T 10	23 41 41	23°28'53	17°11	11°10	8°38	29°36	26°58	13° 1	21°23	0° 7	0°56	7°45	6°45	13°15	1°53	T 10
W11	23 45 38	24°27'52	29° 8	10°45	9°43	0♋ 7	27° 8	13° 6	21°27	0° 6	0°58	7°31	6°42	13°22	1°57	W11
T 12	23 49 34	25°26'54	11♎ 1	10°12	10°49	0°38	27°18	13°11	21°30	0° 5	1° 0	7°17	6°39	13°29	2° 2	T 12
F 13	23 53 31	26°25'57	22°53	9°31	11°54	1° 9	27°27	13°17	21°34	0° 3	1° 2	7° 4	6°35	13°35	2° 6	F 13
S 14	23 57 27	27°25'02	4♏43	8°43	13° 0	1°40	27°37	13°23	21°37	0° 2	1° 4	6°52	6°32	13°42	2°10	S 14
S 15	0 1 24	28°24'10	16°37	7°49	14° 6	2°10	27°46	13°28	21°41	0° 1	1° 5	6°44	6°29	13°49	2°14	S 15
M16	0 5 20	29°23'19	28°35	6°48	15°13	2°40	27°56	13°34	21°44	29♈59	1° 7	6°38	6°26	13°55	2°19	M16
T 17	0 9 17	0♎22'30	10♐42	5°43	16°19	3° 9	28° 5	13°40	21°48	29°58	1° 9	6°34	6°23	14° 2	2°23	T 17
W18	0 13 14	1°21'43	23° 3	4°34	17°26	3°39	28°14	13°45	21°52	29°56	1°11	6°33	6°20	14° 9	2°28	W18
T 19	0 17 10	2°20'58	5♑43	3°24	18°33	4° 8	28°23	13°51	21°55	29°55	1°13	6°33	6°16	14°16	2°32	T 19
F 20	0 21 7	3°20'14	18°45	2°14	19°40	4°37	28°32	13°57	21°59	29°54	1°15	6°33	6°13	14°22	2°37	F 20
S 21	0 25 3	4°19'33	2♒15	1° 5	20°48	5° 6	28°40	14° 3	22° 2	29°52	1°17	6°31	6°10	14°29	2°42	S 21
S 22	0 29 0	5°18'53	16°15	0° 1	21°55	5°34	28°49	14° 9	22° 6	29°51	1°18	6°27	6° 7	14°36	2°47	S 22
M23	0 32 56	6°18'15	0♓45	29♍ 2	23° 3	6° 2	28°57	14°15	22°10	29°49	1°20	6°21	6° 4	14°42	2°52	M23
T 24	0 36 53	7°17'39	15°40	28°11	24°11	6°30	29° 6	14°21	22°13	29°48	1°22	6°12	6° 0	14°49	2°57	T 24
W25	0 40 49	8°17'04	0♈54	27°29	25°19	6°57	29°14	14°27	22°17	29°46	1°24	6° 1	5°57	14°56	3° 2	W25
T 26	0 44 46	9°16'32	16°16	26°57	26°28	7°25	29°22	14°34	22°21	29°44	1°26	5°50	5°54	15° 3	3° 7	T 26
F 27	0 48 43	10°16'02	1♉33	26°35	27°36	7°51	29°30	14°40	22°24	29°43	1°27	5°39	5°51	15° 9	3°12	F 27
S 28	0 52 39	11°15'34	16°36	26°D24	28°45	8°18	29°38	14°46	22°28	29°41	1°29	5°31	5°48	15°16	3°17	S 28
S 29	0 56 36	12°15'08	1♊16	26°25	29°54	8°44	29°46	14°52	22°32	29°40	1°31	5°25	5°45	15°23	3°22	S 29
M30	1 0 32	13♎14'45	15♊27	26♍36	1♍ 3	9♋10	29♋53	14♏59	22♎35	29♈38	1♍32	5♋21	5♋41	15♎30	3♐28	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 4	14n48	3s40	7s 3	3s22	18n45	1s43	23n25	0s 1	21n27	0n18	13s36	2n 4	7s41	0n33	9n52	1s53	23n25	13n 1	23n16	23n21	0s 8	16s20	4n16
M 2	5 41	18 44	2 43	7 20	3 28	18 37	1 38	23 28	0n 0	21 25	0 18	13 38	2 4	7 42	0 33	9 51	1 53	23 24	13 2	23 17	23 21	0 11	16 21	4 16
T 3	5 18	21 30	1 38	7 36	3 33	18 29	1 33	23 30	0 2	21 23	0 18	13 40	2 4	7 44	0 33	9 51	1 53	23 24	13 2	23 17	23 21	0 14	16 22	4 16
W 4	4 55	23 1	0 29	7 48	3 38	18 20	1 28	23 32	0 3	21 21	0 19	13 41	2 3	7 45	0 33	9 50	1 53	23 23	13 2	23 17	23 21	0 16	16 23	4 15
T 5	4 32	23 15	0n39	7 58	3 42	18 10	1 22	23 35	0 4	21 19	0 19	13 43	2 3	7 46	0 33	9 50	1 53	23 23	13 2	23 17	23 21	0 19	16 24	4 15
F 6	4 9	22 17	1 44	8 4	3 45	18 1	1 17	23 36	0 6	21 17	0 19	13 45	2 3	7 47	0 33	9 50	1 53	23 22	13 2	23 17	23 21	0 22	16 25	4 15
S 7	3 46	20 13	2 43	8 8	3 47	17 50	1 12	23 38	0 7	21 16	0 19	13 47	2 3	7 49	0 32	9 49	1 53	23 22	13 2	23 17	23 22	0 25	16 26	4 15
S 8	3 23	17 15	3 33	8 7	3 48	17 39	1 7	23 40	0 8	21 14	0 19	13 48	2 3	7 50	0 32	9 49	1 53	23 21	13 3	23 17	23 22	0 27	16 27	4 15
M 9	2 59	13 35	4 13	8 3	3 48	17 28	1 2	23 42	0 9	21 12	0 19	13 50	2 3	7 51	0 32	9 48	1 53	23 20	13 3	23 18	23 22	0 30	16 28	4 14
T 10	2 36	9 24	4 41	7 55	3 47	17 16	0 57	23 43	0 11	21 10	0 19	13 52	2 2	7 53	0 32	9 48	1 53	23 20	13 3	23 19	23 22	0 33	16 29	4 14
W11	2 12	4 53	4 57	7 42	3 44	17 4	0 52	23 45	0 12	21 9	0 20	13 54	2 2	7 54	0 32	9 47	1 53	23 19	13 3	23 20	23 22	0 35	16 29	4 14
T 12	1 49	0 12	4 59	7 25	3 39	16 51	0 47	23 46	0 13	21 7	0 20	13 56	2 2	7 55	0 32	9 47	1 53	23 19	13 3	23 20	23 22	0 38	16 30	4 14
F 13	1 25	4s28	4 49	7 3	3 33	16 38	0 42	23 47	0 15	21 5	0 20	13 57	2 2	7 56	0 32	9 46	1 53	23 18	13 4	23 21	23 23	0 41	16 32	4 14
S 14	1 2	8 59	4 26	6 36	3 25	16 24	0 37	23 48	0 16	21 3	0 20	13 59	2 2	7 58	0 32	9 46	1 53	23 18	13 4	23 22	23 23	0 43	16 33	4 13
S 15	0 38	13 11	3 51	6 6	3 15	16 9	0 32	23 49	0 18	21 2	0 20	14 1	2 1	7 59	0 32	9 45	1 53	23 17	13 4	23 22	23 23	0 46	16 34	4 13
M16	0 15	16 54	3 6	5 31	3 3	15 55	0 27	23 50	0 19	21 0	0 20	14 3	2 1	8 0	0 32	9 45	1 53	23 17	13 4	23 22	23 23	0 49	16 35	4 13
T 17	0s 9	19 58	2 12	4 52	2 49	15 39	0 23	23 51	0 20	20 58	0 21	14 5	2 1	8 2	0 32	9 44	1 54	23 16	13 5	23 23	23 23	0 52	16 36	4 13
W18	0 33	22 11	1 11	4 10	2 33	15 23	0 18	23 51	0 22	20 56	0 21	14 7	2 1	8 3	0 32	9 44	1 54	23 16	13 5	23 23	23 23	0 54	16 37	4 13
T 19	0 56	23 21	0 4	3 26	2 16	15 7	0 13	23 52	0 23	20 55	0 21	14 9	2 1	8 5	0 32	9 43	1 54	23 16	13 5	23 23	23 23	0 57	16 38	4 12
F 20	1 20	23 17	1s 4	2 41	1 58	14 50	0 9	23 52	0 25	20 53	0 21	14 10	2 1	8 6	0 32	9 43	1 54	23 15	13 5	23 23	23 24	1 0	16 39	4 12
S 21	1 44	21 52	2 11	1 56	1 38	14 33	0 4	23 53	0 26	20 51	0 21	14 12	2 0	8 7	0 32	9 42	1 54	23 15	13 6	23 23	23 24	1 2	16 40	4 12
S 22	2 7	19 6	3 13	1 12	1 18	14 16	0n 0	23 53	0 28	20 50	0 21	14 14	2 0	8 9	0 32	9 41	1 54	23 14	13 6	23 23	23 24	1 5	16 41	4 12
M23	2 31	15 4	4 5	0 30	0 57	13 58	0 4	23 53	0 29	20 48	0 21	14 16	2 0	8 10	0 32	9 41	1 54	23 14	13 6	23 23	23 24	1 8	16 42	4 12
T 24	2 54	9 59	4 41	0n10	0 37	13 39	0 9	23 54	0 31	20 47	0 22	14 18	2 0	8 11	0 32	9 40	1 54	23 14	13 7	23 24	23 24	1 10	16 43	4 12
W25	3 18	4 12	4 59	0 45	0 17	13 20	0 13	23 54	0 33	20 45	0 22	14 20	2 0	8 13	0 32	9 40	1 54	23 13	13 7	23 24	23 24	1 13	16 44	4 11
T 26	3 41	1n53	4 55	1 15	0n 2	13 1	0 17	23 54	0 34	20 44	0 22	14 22	2 0	8 14	0 32	9 39	1 54	23 13	13 7	23 25	23 24	1 16	16 45	4 11
F 27	4 5	7 50	4 30	1 41	0 21	12 41	0 21	23 54	0 36	20 42	0 22	14 24	2 0	8 16	0 32	9 39	1 54	23 12	13 8	23 25	23 25	1 19	16 46	4 11
S 28	4 28	13 15	3 47	2 0	0 37	12 21	0 25	23 54	0 37	20 41	0 22	14 26	1 59	8 17	0 32	9 38	1 54	23 12	13 8	23 26	23 25	1 21	16 48	4 11
S 29	4 52	17 44	2 50	2 14	0 53	12 0	0 29	23 54	0 39	20 39	0 22	14 28	1 59	8 18	0 32	9 37	1 54	23 12	13 8	23 26	23 25	1 24	16 49	4 11
M30	5s15	21n 2	1s43	2n23	1n 7	11n39	0n33	23n54	0n41	20n38	0n23	14s30	1n59	8s20	0n32	9n37	1s54	23n11	13n 8	23n26	23n25	1s27	16s50	4n11

Julian Day Number = 2166540.5, Delta T = 12m42s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'33, Lahiri = 12°58'33 Julian Calendar 1 Sept. 1219 == Greg. Calendar 8 Sept. 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

OCTOBER 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 29	14♎14'24	29♊10	26♍58	2♍12	9♋36	0♌ 1	15♏ 5	22♎39	29°R37	1♍34	5°R20	5♋38	15♎36	3♐33	T 1
W 2	1 8 25	15°14'06	12♋26	27°30	3°22	10° 1	0° 8	15°12	22°43	29♈35	1°36	5♋20	5°35	15°43	3°39	W 2
T 3	1 12 22	16°13'49	25°18	28°11	4°31	10°26	0°15	15°18	22°47	29°33	1°37	5°20	5°32	15°50	3°44	T 3
F 4	1 16 18	17°13'35	7♌50	29° 0	5°41	10°51	0°22	15°25	22°50	29°32	1°39	5°19	5°29	15°56	3°50	F 4
S 5	1 20 15	18°13'24	20° 8	29°57	6°51	11°15	0°29	15°31	22°54	29°30	1°40	5°15	5°26	16° 3	3°55	S 5
S 6	1 24 12	19°13'14	2♍15	1♎ 0	8° 1	11°39	0°36	15°38	22°58	29°28	1°42	5° 8	5°22	16°10	4° 1	S 6
M 7	1 28 8	20°13'07	14°15	2° 9	9°11	12° 2	0°42	15°44	23° 2	29°27	1°43	4°58	5°19	16°17	4° 7	M 7
T 8	1 32 5	21°13'01	26°10	3°24	10°22	12°25	0°49	15°51	23° 5	29°25	1°45	4°46	5°16	16°23	4°12	T 8
W 9	1 36 1	22°12'58	8♎ 2	4°42	11°32	12°48	0°55	15°58	23° 9	29°23	1°46	4°33	5°13	16°30	4°18	W 9
T 10	1 39 58	23°12'57	19°54	6° 5	12°43	13°10	1° 1	16° 4	23°13	29°22	1°48	4°19	5°10	16°37	4°24	T 10
F 11	1 43 54	24°12'57	1♏46	7°30	13°54	13°32	1° 7	16°11	23°17	29°20	1°49	4° 6	5° 6	16°43	4°30	F 11
S 12	1 47 51	25°13'00	13°41	8°58	15° 5	13°53	1°13	16°18	23°20	29°18	1°51	3°54	5° 3	16°50	4°36	S 12
S 13	1 51 47	26°13'05	25°39	10°28	16°16	14°14	1°19	16°25	23°24	29°17	1°52	3°45	5° 0	16°57	4°42	S 13
M14	1 55 44	27°13'11	7♐43	12° 0	17°27	14°34	1°24	16°32	23°28	29°15	1°53	3°39	4°57	17° 4	4°48	M14
T 15	1 59 40	28°13'19	19°55	13°34	18°38	14°54	1°30	16°38	23°32	29°13	1°55	3°36	4°54	17°10	4°54	T 15
W16	2 3 37	29°13'29	2♑18	15° 9	19°49	15°14	1°35	16°45	23°36	29°12	1°56	3°D35	4°51	17°17	5° 0	W16
T 17	2 7 34	0♏13'40	14°57	16°44	21° 1	15°33	1°40	16°52	23°39	29°10	1°57	3°35	4°47	17°24	5° 7	T 17
F 18	2 11 30	1°13'53	27°56	18°20	22°12	15°52	1°44	16°59	23°43	29° 8	1°59	3°R36	4°44	17°30	5°13	F 18
S 19	2 15 27	2°14'08	11♒18	19°57	23°24	16°10	1°49	17° 6	23°47	29° 7	2° 0	3°36	4°41	17°37	5°19	S 19
S 20	2 19 23	3°14'24	25° 7	21°34	24°36	16°27	1°54	17°13	23°50	29° 5	2° 1	3°34	4°38	17°44	5°25	S 20
M21	2 23 20	4°14'41	9♓23	23°11	25°48	16°45	1°58	17°20	23°54	29° 3	2° 2	3°29	4°35	17°51	5°32	M21
T 22	2 27 16	5°15'00	24° 4	24°48	27° 0	17° 1	2° 2	17°27	23°58	29° 1	2° 3	3°22	4°32	17°57	5°38	T 22
W23	2 31 13	6°15'20	9♈ 7	26°26	28°12	17°17	2° 6	17°34	24° 2	29° 0	2° 5	3°14	4°28	18° 4	5°45	W23
T 24	2 35 9	7°15'42	24°21	28° 3	29°24	17°33	2°10	17°41	24° 5	28°58	2° 6	3° 5	4°25	18°11	5°51	T 24
F 25	2 39 6	8°16'05	9♉37	29°40	0♎36	17°48	2°13	17°48	24° 9	28°56	2° 7	2°57	4°22	18°18	5°58	F 25
S 26	2 43 3	9°16'31	24°44	1♏17	1°49	18° 2	2°17	17°55	24°13	28°55	2° 8	2°50	4°19	18°24	6° 4	S 26
S 27	2 46 59	10°16'58	9♊31	2°54	3° 1	18°16	2°20	18° 2	24°16	28°53	2° 9	2°46	4°16	18°31	6°11	S 27
M28	2 50 56	11°17'27	23°53	4°31	4°14	18°29	2°23	18° 9	24°20	28°51	2°10	2°43	4°12	18°38	6°17	M28
T 29	2 54 52	12°17'57	7♋45	6° 8	5°26	18°42	2°26	18°16	24°24	28°50	2°11	2°D43	4° 9	18°44	6°24	T 29
W30	2 58 49	13°18'30	21°10	7°44	6°39	18°54	2°29	18°23	24°27	28°48	2°12	2°44	4° 6	18°51	6°30	W30
T 31	3 2 45	14♏19'04	4♌ 8	9♏20	7♎52	19♋ 6	2♌31	18♏30	24♎31	28♈47	2♍13	2♋45	4♋ 3	18♎58	6♐37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s38	23n 0	0s33	2n25	1n19	11n18	0n36	23n54	0n42	20n36	0n23	14s32	1n59	8s21	0n32	9n36	1s54	23n11	13n 9	23n26	23n25	1s29	16s51	4n11
W 2	6 1	23 35	0n37	2 22	1 30	10 56	0 40	23 53	0 44	20 35	0 23	14 34	1 59	8 23	0 32	9 36	1 54	23 11	13 9	23 26	23 25	1 32	16 52	4 11
T 3	6 25	22 52	1 44	2 14	1 39	10 34	0 44	23 53	0 46	20 34	0 23	14 36	1 59	8 24	0 32	9 35	1 54	23 11	13 9	23 26	23 25	1 35	16 53	4 10
F 4	6 48	21 0	2 43	2 2	1 47	10 12	0 47	23 53	0 47	20 32	0 23	14 38	1 59	8 25	0 32	9 35	1 54	23 10	13 10	23 26	23 26	1 38	16 54	4 10
S 5	7 10	18 12	3 33	1 45	1 53	9 49	0 51	23 53	0 49	20 31	0 23	14 40	1 59	8 27	0 32	9 34	1 54	23 10	13 10	23 26	23 26	1 40	16 56	4 10
S 6	7 33	14 39	4 13	1 24	1 58	9 26	0 54	23 52	0 51	20 30	0 24	14 42	1 58	8 28	0 32	9 33	1 54	23 10	13 11	23 26	23 26	1 43	16 57	4 10
M 7	7 56	10 33	4 42	1 0	2 2	9 2	0 57	23 52	0 53	20 28	0 24	14 44	1 58	8 30	0 32	9 33	1 54	23 10	13 11	23 27	23 26	1 46	16 58	4 10
T 8	8 19	6 4	4 57	0 33	2 4	8 39	1 0	23 52	0 55	20 27	0 24	14 46	1 58	8 31	0 32	9 32	1 54	23 9	13 11	23 27	23 26	1 49	16 59	4 10
W 9	8 41	1 24	5 0	0 3	2 6	8 15	1 3	23 52	0 56	20 26	0 24	14 48	1 58	8 32	0 32	9 32	1 54	23 9	13 12	23 28	23 26	1 51	17 0	4 10
T 10	9 3	3s20	4 50	0s30	2 6	7 50	1 6	23 51	0 58	20 25	0 24	14 50	1 58	8 34	0 32	9 31	1 54	23 9	13 12	23 28	23 26	1 54	17 1	4 10
F 11	9 26	7 58	4 27	1 4	2 6	7 26	1 9	23 51	1 0	20 24	0 25	14 52	1 58	8 35	0 32	9 30	1 54	23 9	13 12	23 29	23 26	1 57	17 2	4 10
S 12	9 48	12 19	3 52	1 40	2 5	7 1	1 12	23 51	1 2	20 22	0 25	14 54	1 58	8 37	0 32	9 30	1 54	23 9	13 13	23 29	23 27	1 59	17 4	4 9
S 13	10 10	16 13	3 7	2 17	2 3	6 36	1 15	23 50	1 4	20 21	0 25	14 56	1 58	8 38	0 32	9 29	1 54	23 8	13 13	23 29	23 27	2 2	17 5	4 9
M14	10 32	19 30	2 13	2 56	2 0	6 10	1 18	23 50	1 6	20 20	0 25	14 58	1 58	8 39	0 32	9 29	1 54	23 8	13 14	23 29	23 27	2 5	17 6	4 9
T 15	10 53	21 57	1 12	3 35	1 57	5 45	1 20	23 50	1 8	20 19	0 25	15 0	1 58	8 41	0 32	9 28	1 54	23 8	13 14	23 29	23 27	2 8	17 7	4 9
W16	11 15	23 24	0 7	4 15	1 53	5 19	1 23	23 50	1 10	20 18	0 25	15 2	1 57	8 42	0 32	9 27	1 54	23 8	13 14	23 29	23 27	2 10	17 8	4 9
T 17	11 36	23 42	1s 0	4 56	1 49	4 53	1 25	23 49	1 12	20 17	0 26	15 4	1 57	8 44	0 32	9 27	1 54	23 8	13 15	23 29	23 27	2 13	17 9	4 9
F 18	11 57	22 43	2 6	5 37	1 44	4 26	1 27	23 49	1 14	20 17	0 26	15 6	1 57	8 45	0 32	9 26	1 54	23 8	13 15	23 29	23 27	2 16	17 10	4 9
S 19	12 18	20 27	3 7	6 18	1 40	4 0	1 29	23 49	1 16	20 16	0 26	15 8	1 57	8 46	0 32	9 26	1 54	23 8	13 16	23 29	23 27	2 19	17 12	4 9
S 20	12 39	16 57	3 59	6 59	1 34	3 33	1 31	23 49	1 18	20 15	0 26	15 10	1 57	8 48	0 32	9 25	1 54	23 8	13 16	23 30	23 28	2 21	17 13	4 9
M21	12 59	12 23	4 39	7 40	1 29	3 6	1 33	23 49	1 20	20 14	0 26	15 12	1 57	8 49	0 32	9 24	1 54	23 8	13 16	23 30	23 28	2 24	17 14	4 9
T 22	13 20	6 58	5 1	8 22	1 23	2 39	1 35	23 49	1 23	20 13	0 27	15 14	1 57	8 50	0 32	9 24	1 54	23 8	13 17	23 30	23 28	2 27	17 15	4 9
W23	13 40	1 1	5 3	9 3	1 17	2 12	1 37	23 49	1 25	20 13	0 27	15 16	1 57	8 52	0 32	9 23	1 54	23 8	13 17	23 30	23 28	2 29	17 16	4 9
T 24	14 0	5n 4	4 44	9 43	1 11	1 45	1 39	23 49	1 27	20 12	0 27	15 18	1 57	8 53	0 32	9 23	1 54	23 8	13 18	23 30	23 28	2 32	17 17	4 9
F 25	14 19	10 53	4 5	10 24	1 5	1 17	1 40	23 49	1 29	20 11	0 27	15 20	1 57	8 55	0 32	9 22	1 54	23 8	13 18	23 30	23 28	2 35	17 18	4 9
S 26	14 39	15 58	3 9	11 4	0 58	0 50	1 42	23 50	1 31	20 11	0 27	15 22	1 57	8 56	0 32	9 22	1 54	23 8	13 19	23 31	23 28	2 38	17 20	4 9
S 27	14 58	19 58	2 1	11 43	0 52	0 22	1 43	23 50	1 34	20 10	0 28	15 25	1 57	8 57	0 32	9 21	1 54	23 8	13 19	23 31	23 28	2 40	17 21	4 9
M28	15 17	22 37	0 47	12 22	0 45	0s 5	1 45	23 51	1 36	20 10	0 28	15 27	1 57	8 59	0 32	9 20	1 54	23 8	13 19	23 31	23 28	2 43	17 22	4 9
T 29	15 36	23 46	0n27	13 1	0 38	0 33	1 46	23 51	1 38	20 9	0 28	15 29	1 56	9 0	0 32	9 20	1 54	23 8	13 20	23 31	23 28	2 46	17 23	4 9
W30	15 54	23 29	1 38	13 39	0 32	1 1	1 47	23 52	1 41	20 9	0 28	15 31	1 56	9 1	0 32	9 19	1 54	23 8	13 20	23 31	23 29	2 49	17 24	4 9
T 31	16s12	21n55	2n41	14s16	0n25	1s29	1n48	23n52	1n43	20n 8	0n28	15s33	1n56	9s 3	0n32	9n19	1s54	23n 8	13n21	23n31	23n29	2s51	17s25	4n 9

Julian Day Number = 2166570.5, Delta T = 12m42s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'37, Lahiri = 12°58'37 Julian Calendar 1 Oct. 1219 == Greg. Calendar 8 Oct. 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

NOVEMBER 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 6 42	15♏19'40	16♌44	10♏56	9♎ 5	19♋16	2♌34	18♏37	24♎34	28°R45	2♍13	2°R46	4♋ 0	19♎ 5	6♐44	F 1
S 2	3 10 39	16°20'18	29° 2	12°32	10°18	19°27	2°36	18°44	24°38	28♈43	2°14	2♋45	3°57	19°11	6°50	S 2
S 3	3 14 35	17°20'58	11♍ 7	14° 7	11°31	19°36	2°38	18°51	24°42	28°42	2°15	2°42	3°53	19°18	6°57	S 3
M 4	3 18 32	18°21'39	23° 4	15°43	12°44	19°45	2°39	18°59	24°45	28°40	2°16	2°37	3°50	19°25	7° 4	M 4
T 5	3 22 28	19°22'22	4♎56	17°18	13°57	19°53	2°41	19° 6	24°49	28°39	2°17	2°30	3°47	19°31	7°11	T 5
W 6	3 26 25	20°23'06	16°47	18°53	15°11	20° 0	2°42	19°13	24°52	28°37	2°17	2°22	3°44	19°38	7°18	W 6
T 7	3 30 21	21°23'52	28°39	20°28	16°24	20° 7	2°43	19°20	24°56	28°36	2°18	2°13	3°41	19°45	7°24	T 7
F 8	3 34 18	22°24'40	10♏35	22° 2	17°38	20°13	2°44	19°27	24°59	28°34	2°19	2° 6	3°37	19°52	7°31	F 8
S 9	3 38 14	23°25'29	22°37	23°37	18°51	20°18	2°45	19°34	25° 3	28°33	2°19	1°59	3°34	19°58	7°38	S 9
S 10	3 42 11	24°26'19	4♐44	25°11	20° 5	20°23	2°46	19°41	25° 6	28°31	2°20	1°54	3°31	20° 5	7°45	S 10
M11	3 46 7	25°27'10	17° 0	26°46	21°18	20°26	2°46	19°48	25° 9	28°30	2°20	1°51	3°28	20°12	7°52	M11
T 12	3 50 4	26°28'03	29°25	28°20	22°32	20°29	2°R46	19°55	25°13	28°28	2°21	1°D49	3°25	20°18	7°59	T 12
W13	3 54 1	27°28'56	12♑ 1	29°54	23°46	20°32	2°46	20° 2	25°16	28°27	2°21	1°50	3°22	20°25	8° 6	W13
T 14	3 57 57	28°29'51	24°50	1♐28	24°59	20°33	2°46	20° 9	25°19	28°25	2°22	1°51	3°18	20°32	8°13	T 14
F 15	4 1 54	29°30'46	7♒55	3° 2	26°13	20°R34	2°46	20°16	25°23	28°24	2°22	1°53	3°15	20°39	8°20	F 15
S 16	4 5 50	0♐31'43	21°17	4°36	27°27	20°33	2°45	20°23	25°26	28°22	2°23	1°54	3°12	20°45	8°26	S 16
S 17	4 9 47	1°32'40	4♓59	6°10	28°41	20°32	2°44	20°30	25°29	28°21	2°23	1°R55	3° 9	20°52	8°33	S 17
M18	4 13 43	2°33'37	19° 2	7°44	29°55	20°30	2°43	20°37	25°32	28°20	2°24	1°53	3° 6	20°59	8°40	M18
T 19	4 17 40	3°34'35	3♈24	9°18	1♏ 9	20°28	2°42	20°44	25°36	28°18	2°24	1°51	3° 3	21° 5	8°47	T 19
W20	4 21 37	4°35'34	18° 4	10°52	2°23	20°24	2°40	20°51	25°39	28°17	2°24	1°48	2°59	21°12	8°54	W20
T 21	4 25 33	5°36'34	2♉55	12°26	3°37	20°20	2°39	20°58	25°42	28°16	2°24	1°44	2°56	21°19	9° 1	T 21
F 22	4 29 30	6°37'34	17°51	14° 0	4°51	20°15	2°37	21° 5	25°45	28°15	2°25	1°40	2°53	21°26	9° 8	F 22
S 23	4 33 26	7°38'35	2♊42	15°34	6° 5	20° 9	2°35	21°12	25°48	28°13	2°25	1°37	2°50	21°32	9°15	S 23
S 24	4 37 23	8°39'37	17°21	17° 8	7°19	20° 2	2°33	21°19	25°51	28°12	2°25	1°35	2°47	21°39	9°22	S 24
M25	4 41 19	9°40'40	1♋40	18°43	8°34	19°54	2°30	21°26	25°54	28°11	2°25	1°D35	2°43	21°46	9°29	M25
T 26	4 45 16	10°41'44	15°36	20°17	9°48	19°46	2°28	21°33	25°57	28°10	2°25	1°35	2°40	21°53	9°36	T 26
W27	4 49 12	11°42'48	29° 7	21°51	11° 2	19°37	2°25	21°40	26° 0	28° 9	2°25	1°37	2°37	21°59	9°43	W27
T 28	4 53 9	12°43'54	12♌12	23°25	12°17	19°26	2°22	21°46	26° 3	28° 8	2°R25	1°38	2°34	22° 6	9°50	T 28
F 29	4 57 6	13°45'00	24°54	24°59	13°31	19°15	2°19	21°53	26° 6	28° 7	2°25	1°39	2°31	22°13	9°57	F 29
S 30	5 1 2	14♐46'07	7♍17	26♐33	14♏45	19♋ 4	2♌16	22♏ 0	26♎ 8	28♈ 6	2♍25	1♋40	2♋28	22♎19	10♐ 4	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s30	19n18	3n35	14s53	0n18	1s57	1n49	23n53	1n45	20n 8	0n29	15s35	1n56	9s 4	0n32	9n18	1s54	23n 8	13n21	23n31	23n29	2s54	17s26	4n 9
S 2	16 48	15 52	4 17	15 29	0 11	2 25	1 50	23 54	1 48	20 8	0 29	15 36	1 56	9 5	0 32	9 18	1 54	23 8	13 22	23 31	23 29	2 57	17 27	4 9
S 3	17 5	11 51	4 47	16 4	0 5	2 53	1 51	23 55	1 50	20 8	0 29	15 38	1 56	9 7	0 32	9 17	1 54	23 8	13 22	23 31	23 29	3 0	17 28	4 9
M 4	17 22	7 25	5 4	16 39	0s 2	3 21	1 51	23 57	1 53	20 7	0 29	15 40	1 56	9 8	0 32	9 16	1 54	23 8	13 23	23 31	23 29	3 2	17 29	4 9
T 5	17 39	2 45	5 8	17 12	0 9	3 49	1 52	23 58	1 55	20 7	0 29	15 42	1 56	9 9	0 32	9 16	1 54	23 8	13 23	23 31	23 29	3 5	17 30	4 9
W 6	17 55	2s 1	4 59	17 45	0 15	4 17	1 52	23 59	1 58	20 7	0 30	15 44	1 56	9 10	0 32	9 15	1 54	23 9	13 24	23 31	23 29	3 8	17 31	4 9
T 7	18 11	6 44	4 37	18 17	0 22	4 45	1 53	24 1	2 1	20 7	0 30	15 46	1 56	9 12	0 32	9 15	1 54	23 9	13 24	23 31	23 29	3 11	17 33	4 9
F 8	18 27	11 14	4 2	18 49	0 28	5 12	1 53	24 2	2 3	20 7	0 30	15 48	1 56	9 13	0 32	9 14	1 54	23 9	13 25	23 31	23 29	3 13	17 34	4 9
S 9	18 42	15 20	3 17	19 19	0 35	5 40	1 53	24 4	2 6	20 7	0 30	15 50	1 56	9 14	0 32	9 14	1 54	23 9	13 25	23 32	23 30	3 16	17 35	4 9
S 10	18 58	18 51	2 22	19 48	0 41	6 8	1 53	24 6	2 8	20 7	0 30	15 52	1 56	9 15	0 32	9 13	1 54	23 9	13 25	23 32	23 30	3 19	17 36	4 9
M11	19 12	21 35	1 20	20 17	0 47	6 36	1 53	24 8	2 11	20 7	0 31	15 54	1 56	9 17	0 32	9 13	1 54	23 10	13 26	23 32	23 30	3 22	17 37	4 9
T 12	19 27	23 19	0 13	20 44	0 53	7 3	1 53	24 10	2 14	20 7	0 31	15 56	1 56	9 18	0 32	9 12	1 54	23 10	13 26	23 32	23 30	3 24	17 38	4 9
W13	19 41	23 55	0s55	21 11	0 59	7 30	1 53	24 13	2 16	20 8	0 31	15 58	1 56	9 19	0 32	9 12	1 54	23 10	13 27	23 32	23 30	3 27	17 39	4 9
T 14	19 55	23 15	2 2	21 36	1 5	7 58	1 53	24 15	2 19	20 8	0 31	16 0	1 56	9 20	0 32	9 11	1 54	23 10	13 27	23 32	23 30	3 30	17 40	4 10
F 15	20 8	21 20	3 5	22 1	1 11	8 25	1 53	24 18	2 22	20 8	0 32	16 2	1 56	9 21	0 32	9 11	1 53	23 11	13 28	23 32	23 30	3 33	17 41	4 10
S 16	20 21	18 13	3 58	22 24	1 16	8 52	1 52	24 20	2 25	20 9	0 32	16 3	1 56	9 23	0 32	9 11	1 53	23 11	13 28	23 32	23 30	3 35	17 42	4 10
S 17	20 33	14 3	4 40	22 46	1 22	9 19	1 52	24 23	2 27	20 9	0 32	16 5	1 56	9 24	0 32	9 10	1 53	23 11	13 29	23 32	23 30	3 38	17 43	4 10
M18	20 46	9 2	5 5	23 7	1 27	9 45	1 51	24 26	2 30	20 9	0 32	16 7	1 56	9 25	0 32	9 10	1 53	23 12	13 29	23 32	23 30	3 41	17 44	4 10
T 19	20 57	3 26	5 13	23 27	1 32	10 12	1 51	24 30	2 33	20 10	0 32	16 9	1 56	9 26	0 32	9 9	1 53	23 12	13 30	23 32	23 30	3 44	17 44	4 10
W20	21 9	2n29	5 1	23 46	1 37	10 38	1 50	24 33	2 36	20 10	0 33	16 11	1 56	9 27	0 32	9 9	1 53	23 12	13 30	23 32	23 30	3 46	17 45	4 10
T 21	21 20	8 20	4 28	24 3	1 41	11 4	1 49	24 36	2 38	20 11	0 33	16 13	1 56	9 28	0 32	9 8	1 53	23 13	13 31	23 32	23 30	3 49	17 46	4 10
F 22	21 30	13 44	3 38	24 19	1 45	11 30	1 48	24 40	2 41	20 12	0 33	16 14	1 56	9 30	0 32	9 8	1 53	23 13	13 31	23 32	23 31	3 52	17 47	4 10
S 23	21 41	18 18	2 32	24 34	1 49	11 55	1 47	24 44	2 44	20 12	0 33	16 16	1 56	9 31	0 32	9 8	1 53	23 13	13 32	23 32	23 31	3 55	17 48	4 11
S 24	21 50	21 39	1 18	24 48	1 53	12 20	1 46	24 47	2 47	20 13	0 33	16 18	1 56	9 32	0 32	9 7	1 53	23 14	13 32	23 32	23 31	3 57	17 49	4 11
M25	22 0	23 32	0n 0	25 0	1 57	12 45	1 45	24 51	2 50	20 14	0 34	16 20	1 56	9 33	0 32	9 7	1 53	23 14	13 33	23 32	23 31	4 0	17 50	4 11
T 26	22 9	23 53	1 17	25 11	2 0	13 10	1 44	24 55	2 53	20 15	0 34	16 22	1 56	9 34	0 32	9 6	1 53	23 15	13 33	23 32	23 31	4 3	17 51	4 11
W27	22 17	22 48	2 26	25 20	2 3	13 35	1 43	24 59	2 55	20 15	0 34	16 23	1 56	9 35	0 32	9 6	1 53	23 15	13 34	23 32	23 31	4 6	17 52	4 11
T 28	22 25	20 30	3 26	25 28	2 6	13 59	1 41	25 4	2 58	20 16	0 34	16 25	1 56	9 36	0 32	9 6	1 53	23 15	13 34	23 32	23 31	4 8	17 52	4 11
F 29	22 33	17 15	4 13	25 34	2 8	14 22	1 40	25 8	3 1	20 17	0 35	16 27	1 56	9 37	0 32	9 5	1 53	23 16	13 35	23 32	23 31	4 11	17 53	4 12
S 30	22s40	13n19	4n48	25s39	2s10	14s46	1n39	25n13	3n 4	20n18	0n35	16s28	1n56	9s38	0n32	9n 5	1s53	23n16	13n35	23n32	23n31	4s14	17s54	4n12

Julian Day Number = 2166601.5, Delta T = 12m42s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'41, Lahiri = 12°58'41 Julian Calendar 1 Nov. 1219 == Greg. Calendar 8 Nov. 1219

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ASTRODIENST EPHEMERIS for the year 1219
geocentric

DECEMBER 1219 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 4 59	15♐47'15	19♍26	28♐ 7	16♏ 0	18°R51	2°R12	22♏ 7	26♎11	28°R 5	2°R25	1°R40	2♋24	22♎26	10♐11	S 1
M 2	5 8 55	16°48'24	1♎23	29°41	17°14	18♋38	2♌ 8	22°13	26°14	28♈ 4	2♍25	1♋40	2°21	22°33	10°18	M 2
T 3	5 12 52	17°49'33	13°16	1♏15	18°29	18°23	2° 5	22°20	26°17	28° 3	2°25	1°39	2°18	22°40	10°25	T 3
W 4	5 16 48	18°50'43	25° 7	2°48	19°43	18° 8	2° 1	22°27	26°19	28° 2	2°25	1°37	2°15	22°46	10°32	W 4
T 5	5 20 45	19°51'54	7♏ 1	4°21	20°58	17°52	1°56	22°33	26°22	28° 1	2°24	1°35	2°12	22°53	10°39	T 5
F 6	5 24 41	20°53'05	19° 1	5°54	22°13	17°36	1°52	22°40	26°24	28° 0	2°24	1°33	2° 9	23° 0	10°46	F 6
S 7	5 28 38	21°54'17	1♐ 9	7°26	23°27	17°19	1°47	22°46	26°27	27°59	2°24	1°32	2° 5	23° 6	10°52	S 7
S 8	5 32 35	22°55'29	13°29	8°57	24°42	17° 1	1°42	22°53	26°29	27°58	2°24	1°31	2° 2	23°13	10°59	S 8
M 9	5 36 31	23°56'42	26° 0	10°27	25°56	16°42	1°38	22°59	26°32	27°57	2°23	1°D30	1°59	23°20	11° 6	M 9
T 10	5 40 28	24°57'54	8♑44	11°56	27°11	16°23	1°32	23° 6	26°34	27°57	2°23	1°30	1°56	23°27	11°13	T 10
W11	5 44 24	25°59'07	21°41	13°23	28°26	16° 3	1°27	23°12	26°37	27°56	2°22	1°31	1°53	23°33	11°20	W11
T 12	5 48 21	27° 0'20	4♒52	14°49	29°41	15°43	1°22	23°18	26°39	27°55	2°22	1°31	1°49	23°40	11°27	T 12
F 13	5 52 17	28° 1'33	18°15	16°13	0♐55	15°22	1°16	23°25	26°41	27°54	2°22	1°32	1°46	23°47	11°33	F 13
S 14	5 56 14	29° 2'45	1♓51	17°34	2°10	15° 0	1°10	23°31	26°44	27°54	2°21	1°32	1°43	23°53	11°40	S 14
S 15	6 0 10	0♑ 3'58	15°39	18°52	3°25	14°38	1° 5	23°37	26°46	27°53	2°21	1°32	1°40	24° 0	11°47	S 15
M16	6 4 7	1° 5'10	29°39	20° 7	4°40	14°16	0°59	23°43	26°48	27°53	2°20	1°32	1°37	24° 7	11°53	M16
T 17	6 8 4	2° 6'21	13♈49	21°17	5°54	13°53	0°52	23°49	26°50	27°52	2°19	1°32	1°34	24°14	12° 0	T 17
W18	6 12 0	3° 7'32	28° 8	22°23	7° 9	13°30	0°46	23°55	26°52	27°52	2°19	1°32	1°30	24°20	12° 7	W18
T 19	6 15 57	4° 8'43	12♉32	23°23	8°24	13° 7	0°40	24° 1	26°54	27°51	2°18	1°32	1°27	24°27	12°13	T 19
F 20	6 19 53	5° 9'53	26°57	24°17	9°39	12°44	0°33	24° 7	26°56	27°51	2°18	1°33	1°24	24°34	12°20	F 20
S 21	6 23 50	6°11'03	11♊20	25° 4	10°54	12°20	0°27	24°13	26°58	27°50	2°17	1°33	1°21	24°40	12°26	S 21
S 22	6 27 46	7°12'13	25°35	25°43	12° 8	11°56	0°20	24°19	27° 0	27°50	2°16	1°R33	1°18	24°47	12°33	S 22
M23	6 31 43	8°13'22	9♋37	26°13	13°23	11°32	0°13	24°25	27° 2	27°50	2°15	1°33	1°15	24°54	12°39	M23
T 24	6 35 40	9°14'31	23°22	26°33	14°38	11° 8	0° 6	24°30	27° 3	27°49	2°15	1°33	1°11	25° 1	12°46	T 24
W25	6 39 36	10°15'40	6♌48	26°R42	15°53	10°44	29♋59	24°36	27° 5	27°49	2°14	1°32	1° 8	25° 7	12°52	W25
T 26	6 43 33	11°16'48	19°53	26°40	17° 8	10°20	29°52	24°42	27° 7	27°49	2°13	1°31	1° 5	25°14	12°59	T 26
F 27	6 47 29	12°17'56	2♍39	26°26	18°23	9°56	29°44	24°47	27° 8	27°49	2°12	1°29	1° 2	25°21	13° 5	F 27
S 28	6 51 26	13°19'04	15° 5	26° 1	19°38	9°32	29°37	24°53	27°10	27°48	2°11	1°28	0°59	25°27	13°11	S 28
S 29	6 55 22	14°20'11	27°17	25°24	20°52	9° 9	29°29	24°58	27°11	27°48	2°10	1°27	0°55	25°34	13°18	S 29
M30	6 59 19	15°21'18	9♎17	24°36	22° 7	8°45	29°22	25° 4	27°13	27°48	2° 9	1°26	0°52	25°41	13°24	M30
T 31	7 3 15	16♑22'25	21♎10	23♑39	23♐22	8♋22	29♋14	25♏ 9	27♎14	27♈48	2♍ 8	1°D26	0♋49	25♎47	13♐30	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s47	8n56	5n 9	25s43	2s11	15s 9	1n37	25n17	3n 6	20n19	0n35	16s30	1n56	9s39	0n32	9n 5	1s53	23n17	13n36	23n32	23n31	4s17	17s55	4n12
M 2	22 53	4 16	5 16	25 45	2 12	15 31	1 36	25 22	3 9	20 20	0 35	16 32	1 56	9 40	0 32	9 4	1 53	23 17	13 36	23 32	23 31	4 19	17 56	4 12
T 3	22 59	0s30	5 10	25 45	2 13	15 54	1 34	25 26	3 12	20 21	0 35	16 33	1 56	9 41	0 32	9 4	1 53	23 18	13 37	23 32	23 31	4 22	17 57	4 12
W 4	23 4	5 16	4 50	25 44	2 13	16 16	1 32	25 31	3 15	20 22	0 36	16 35	1 56	9 42	0 32	9 4	1 53	23 18	13 37	23 32	23 31	4 25	17 57	4 12
T 5	23 9	9 51	4 18	25 41	2 13	16 37	1 30	25 36	3 17	20 24	0 36	16 37	1 56	9 43	0 32	9 4	1 53	23 19	13 37	23 32	23 31	4 28	17 58	4 13
F 6	23 14	14 7	3 34	25 36	2 12	16 58	1 29	25 41	3 20	20 25	0 36	16 38	1 56	9 44	0 32	9 3	1 53	23 19	13 38	23 32	23 31	4 30	17 59	4 13
S 7	23 18	17 52	2 40	25 30	2 11	17 19	1 27	25 45	3 22	20 26	0 36	16 40	1 56	9 45	0 32	9 3	1 53	23 20	13 38	23 32	23 31	4 33	18 0	4 13
S 8	23 21	20 53	1 38	25 22	2 9	17 39	1 25	25 50	3 25	20 27	0 36	16 42	1 56	9 46	0 32	9 3	1 52	23 20	13 39	23 32	23 31	4 36	18 0	4 13
M 9	23 24	22 58	0 30	25 13	2 6	17 59	1 23	25 55	3 27	20 29	0 37	16 43	1 56	9 46	0 32	9 3	1 52	23 21	13 39	23 32	23 32	4 39	18 1	4 14
T 10	23 27	23 55	0s40	25 2	2 3	18 18	1 21	26 0	3 30	20 30	0 37	16 45	1 57	9 47	0 32	9 2	1 52	23 21	13 40	23 32	23 32	4 42	18 2	4 14
W11	23 29	23 35	1 50	24 50	1 58	18 37	1 19	26 5	3 32	20 31	0 37	16 46	1 57	9 48	0 32	9 2	1 52	23 22	13 40	23 32	23 32	4 44	18 2	4 14
T 12	23 30	21 57	2 55	24 36	1 54	18 55	1 17	26 9	3 34	20 33	0 37	16 48	1 57	9 49	0 32	9 2	1 52	23 23	13 41	23 32	23 32	4 47	18 3	4 14
F 13	23 32	19 5	3 51	24 20	1 48	19 13	1 15	26 14	3 36	20 34	0 37	16 49	1 57	9 50	0 33	9 2	1 52	23 23	13 41	23 32	23 32	4 50	18 4	4 15
S 14	23 32	15 9	4 36	24 4	1 42	19 30	1 12	26 19	3 38	20 36	0 38	16 51	1 57	9 51	0 33	9 2	1 52	23 24	13 42	23 32	23 32	4 53	18 4	4 15
S 15	23 32	10 22	5 5	23 46	1 34	19 47	1 10	26 23	3 41	20 37	0 38	16 52	1 57	9 51	0 33	9 1	1 52	23 24	13 42	23 32	23 32	4 55	18 5	4 15
M16	23 32	4 59	5 17	23 26	1 26	20 3	1 8	26 28	3 42	20 39	0 38	16 54	1 57	9 52	0 33	9 1	1 52	23 25	13 43	23 32	23 32	4 58	18 6	4 15
T 17	23 31	0n43	5 10	23 6	1 16	20 18	1 6	26 32	3 44	20 40	0 38	16 55	1 57	9 53	0 33	9 1	1 52	23 26	13 43	23 32	23 32	5 1	18 6	4 16
W18	23 30	6 26	4 44	22 45	1 6	20 33	1 3	26 36	3 46	20 42	0 38	16 56	1 57	9 54	0 33	9 1	1 52	23 26	13 43	23 32	23 32	5 4	18 7	4 16
T 19	23 29	11 51	4 0	22 24	0 54	20 48	1 1	26 40	3 48	20 43	0 39	16 58	1 57	9 54	0 33	9 1	1 52	23 27	13 44	23 32	23 32	5 6	18 7	4 16
F 20	23 26	16 38	3 0	22 2	0 42	21 2	0 59	26 44	3 50	20 45	0 39	16 59	1 57	9 55	0 33	9 1	1 52	23 28	13 44	23 32	23 32	5 9	18 8	4 16
S 21	23 24	20 25	1 50	21 40	0 28	21 15	0 56	26 48	3 51	20 46	0 39	17 1	1 57	9 56	0 33	9 1	1 52	23 28	13 45	23 32	23 32	5 12	18 8	4 17
S 22	23 21	22 55	0 33	21 18	0 13	21 27	0 54	26 52	3 53	20 48	0 39	17 2	1 57	9 56	0 33	9 1	1 52	23 29	13 45	23 32	23 32	5 15	18 9	4 17
M23	23 17	23 56	0n45	20 57	0n 3	21 39	0 51	26 55	3 54	20 50	0 39	17 3	1 57	9 57	0 33	9 1	1 52	23 30	13 46	23 32	23 32	5 17	18 9	4 17
T 24	23 13	23 27	1 58	20 37	0 19	21 51	0 49	26 59	3 55	20 51	0 39	17 5	1 58	9 57	0 33	9 0	1 52	23 30	13 46	23 32	23 32	5 20	18 10	4 18
W25	23 8	21 36	3 3	20 18	0 37	22 1	0 46	27 2	3 56	20 53	0 40	17 6	1 58	9 58	0 33	9 0	1 51	23 31	13 46	23 32	23 32	5 23	18 10	4 18
T 26	23 4	18 39	3 57	20 0	0 55	22 12	0 44	27 5	3 57	20 55	0 40	17 7	1 58	9 59	0 33	9 0	1 51	23 32	13 47	23 32	23 32	5 26	18 11	4 18
F 27	22 58	14 53	4 37	19 44	1 14	22 21	0 41	27 8	3 58	20 57	0 40	17 8	1 58	9 59	0 33	9 0	1 51	23 32	13 47	23 32	23 32	5 29	18 11	4 19
S 28	22 52	10 33	5 4	19 31	1 33	22 30	0 38	27 10	3 59	20 58	0 40	17 10	1 58	10 0	0 33	9 0	1 51	23 33	13 48	23 32	23 32	5 31	18 12	4 19
S 29	22 46	5 54	5 16	19 19	1 52	22 38	0 36	27 13	4 0	21 0	0 40	17 11	1 58	10 0	0 33	9 0	1 51	23 34	13 48	23 32	23 32	5 34	18 12	4 19
M30	22 39	1 6	5 13	19 9	2 10	22 45	0 33	27 15	4 0	21 2	0 40	17 12	1 58	10 1	0 33	9 0	1 51	23 34	13 48	23 32	23 32	5 37	18 13	4 20
T 31	22s32	3s42	4n58	19s 2	2n27	22s52	0n30	27n17	4n 1	21n 4	0n41	17s13	1n58	10s 1	0n33	9n 0	1s51	23n35	13n49	23n32	23n32	5s40	18s13	4n20

Julian Day Number = 2166631.5, Delta T = 12m41s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'45, Lahiri = 12°58'46 Julian Calendar 1 Dec. 1219 == Greg. Calendar 8 Dec. 1219

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

JANUARY 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 7 12	17♑23'31	3♏ 2	22°R34	24♐37	7°R59	29°R 7	25♏14	27♎16	27°D48	2°R 7	1♋27	0♋46	25♎54	13♐36	W 1
T 2	7 11 9	18°24'37	14°56	21♑22	25°52	7♋37	28♋59	25°19	27°17	27♈48	2♍ 6	1°28	0°43	26° 1	13°42	T 2
F 3	7 15 5	19°25'43	26°58	20° 6	27° 7	7°15	28°51	25°24	27°18	27°48	2° 5	1°29	0°40	26° 8	13°48	F 3
S 4	7 19 2	20°26'48	9♐11	18°49	28°22	6°53	28°43	25°29	27°19	27°48	2° 4	1°31	0°36	26°14	13°54	S 4
S 5	7 22 58	21°27'52	21°39	17°33	29°37	6°32	28°35	25°34	27°20	27°48	2° 3	1°32	0°33	26°21	14° 0	S 5
M 6	7 26 55	22°28'56	4♑24	16°19	0♑52	6°12	28°27	25°39	27°21	27°48	2° 2	1°R32	0°30	26°28	14° 6	M 6
T 7	7 30 51	23°29'59	17°27	15°10	2° 7	5°52	28°19	25°44	27°23	27°49	2° 1	1°31	0°27	26°34	14°12	T 7
W 8	7 34 48	24°31'02	0♒48	14° 8	3°22	5°32	28°11	25°49	27°23	27°49	2° 0	1°29	0°24	26°41	14°18	W 8
T 9	7 38 44	25°32'03	14°26	13°13	4°37	5°13	28° 3	25°54	27°24	27°49	1°59	1°26	0°21	26°48	14°24	T 9
F 10	7 42 41	26°33'03	28°17	12°27	5°52	4°55	27°55	25°58	27°25	27°49	1°57	1°22	0°17	26°55	14°30	F 10
S 11	7 46 38	27°34'02	12♓19	11°49	7° 7	4°38	27°47	26° 3	27°26	27°50	1°56	1°19	0°14	27° 1	14°35	S 11
S 12	7 50 34	28°35'00	26°28	11°20	8°22	4°21	27°39	26° 7	27°27	27°50	1°55	1°15	0°11	27° 8	14°41	S 12
M13	7 54 31	29°35'56	10♈39	11° 0	9°36	4° 5	27°31	26°12	27°27	27°50	1°54	1°12	0° 8	27°15	14°46	M13
T 14	7 58 27	0♒36'51	24°51	10°48	10°51	3°49	27°23	26°16	27°28	27°51	1°52	1°D11	0° 5	27°21	14°52	T 14
W15	8 2 24	1°37'44	9♉ 0	10°D44	12° 6	3°35	27°15	26°20	27°29	27°51	1°51	1°11	0° 1	27°28	14°57	W15
T 16	8 6 20	2°38'36	23° 6	10°48	13°21	3°21	27° 7	26°24	27°29	27°52	1°50	1°12	29♊58	27°35	15° 3	T 16
F 17	8 10 17	3°39'27	7♊ 6	10°59	14°36	3° 8	27° 0	26°28	27°30	27°52	1°49	1°14	29°55	27°42	15° 8	F 17
S 18	8 14 13	4°40'16	21° 0	11°17	15°51	2°55	26°52	26°32	27°30	27°53	1°47	1°15	29°52	27°48	15°13	S 18
S 19	8 18 10	5°41'04	4♋45	11°40	17° 6	2°44	26°44	26°36	27°30	27°53	1°46	1°R16	29°49	27°55	15°18	S 19
M20	8 22 7	6°41'51	18°20	12°10	18°21	2°33	26°36	26°40	27°31	27°54	1°44	1°14	29°46	28° 2	15°24	M20
T 21	8 26 3	7°42'35	1♌44	12°44	19°36	2°23	26°28	26°44	27°31	27°55	1°43	1°11	29°42	28° 8	15°29	T 21
W22	8 30 0	8°43'19	14°54	13°23	20°51	2°14	26°21	26°48	27°31	27°55	1°42	1° 6	29°39	28°15	15°34	W22
T 23	8 33 56	9°44'01	27°49	14° 6	22° 6	2° 6	26°13	26°51	27°31	27°56	1°40	1° 0	29°36	28°22	15°39	T 23
F 24	8 37 53	10°44'42	10♍28	14°54	23°20	1°58	26° 5	26°55	27°31	27°57	1°39	0°52	29°33	28°29	15°43	F 24
S 25	8 41 49	11°45'21	22°53	15°45	24°35	1°51	25°58	26°58	27°R31	27°58	1°37	0°45	29°30	28°35	15°48	S 25
S 26	8 45 46	12°45'59	5♎ 4	16°39	25°50	1°45	25°50	27° 1	27°31	27°59	1°36	0°38	29°27	28°42	15°53	S 26
M27	8 49 42	13°46'36	17° 4	17°36	27° 5	1°40	25°43	27° 5	27°31	27°59	1°34	0°33	29°23	28°49	15°58	M27
T 28	8 53 39	14°47'12	28°58	18°37	28°20	1°36	25°36	27° 8	27°31	28° 0	1°33	0°29	29°20	28°55	16° 2	T 28
W29	8 57 36	15°47'46	10♏49	19°39	29°35	1°32	25°29	27°11	27°31	28° 1	1°31	0°D28	29°17	29° 2	16° 7	W29
T 30	9 1 32	16°48'19	22°42	20°44	0♒50	1°29	25°22	27°14	27°31	28° 2	1°30	0°28	29°14	29° 9	16°11	T 30
F 31	9 5 29	17♒48'51	4♐42	21♑52	2♒ 5	1♋27	25♋15	27♏17	27♎30	28♈ 3	1♍28	0♋29	29♊11	29♎15	16♐16	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s24	8s21	4n30	18s58	2n43	22s58	0n28	27n19	4n 1	21n 5	0n41	17s14	1n58	10s 2	0n33	9n 1	1s51	23n36	13n49	23n32	23n32	5s42	18s13	4n20
T 2	22 16	12 43	3 50	18 55	2 57	23 3	0 25	27 21	4 2	21 7	0 41	17 15	1 58	10 2	0 33	9 1	1 51	23 37	13 49	23 32	23 32	5 45	18 14	4 21
F 3	22 8	16 39	2 59	18 54	3 9	23 8	0 23	27 22	4 2	21 9	0 41	17 17	1 59	10 3	0 33	9 1	1 51	23 37	13 50	23 32	23 32	5 48	18 14	4 21
S 4	21 59	19 56	2 0	18 56	3 19	23 12	0 20	27 23	4 2	21 11	0 41	17 18	1 59	10 3	0 33	9 1	1 51	23 38	13 50	23 32	23 32	5 51	18 14	4 21
S 5	21 49	22 22	0 54	18 58	3 26	23 15	0 17	27 24	4 2	21 12	0 41	17 19	1 59	10 3	0 33	9 1	1 51	23 39	13 51	23 32	23 32	5 53	18 15	4 22
M 6	21 39	23 44	0s16	19 3	3 31	23 18	0 15	27 25	4 2	21 14	0 42	17 20	1 59	10 4	0 33	9 1	1 51	23 40	13 51	23 32	23 32	5 56	18 15	4 22
T 7	21 29	23 50	1 27	19 8	3 33	23 19	0 12	27 26	4 2	21 16	0 42	17 21	1 59	10 4	0 33	9 1	1 51	23 40	13 51	23 32	23 32	5 59	18 15	4 23
W 8	21 18	22 34	2 34	19 15	3 33	23 21	0 9	27 27	4 2	21 18	0 42	17 22	1 59	10 4	0 33	9 1	1 51	23 41	13 52	23 32	23 32	6 2	18 15	4 23
T 9	21 7	19 59	3 34	19 23	3 31	23 21	0 7	27 27	4 1	21 19	0 42	17 23	1 59	10 5	0 33	9 1	1 51	23 42	13 52	23 32	23 32	6 4	18 16	4 23
F 10	20 56	16 13	4 23	19 31	3 27	23 21	0 4	27 28	4 1	21 21	0 42	17 24	1 59	10 5	0 33	9 2	1 50	23 43	13 52	23 32	23 32	6 7	18 16	4 24
S 11	20 44	11 31	4 56	19 40	3 22	23 20	0 1	27 28	4 0	21 23	0 42	17 25	2 0	10 5	0 33	9 2	1 50	23 43	13 53	23 32	23 32	6 10	18 16	4 24
S 12	20 32	6 11	5 12	19 49	3 14	23 18	0s 1	27 28	4 0	21 25	0 42	17 26	2 0	10 6	0 33	9 2	1 50	23 44	13 53	23 32	23 32	6 13	18 16	4 25
M13	20 19	0 30	5 9	19 59	3 6	23 15	0 4	27 28	3 59	21 26	0 42	17 27	2 0	10 6	0 33	9 2	1 50	23 45	13 53	23 32	23 32	6 16	18 17	4 25
T 14	20 6	5n13	4 47	20 9	2 57	23 12	0 6	27 28	3 59	21 28	0 43	17 27	2 0	10 6	0 33	9 2	1 50	23 46	13 54	23 32	23 32	6 18	18 17	4 25
W15	19 53	10 39	4 8	20 19	2 47	23 8	0 9	27 27	3 58	21 30	0 43	17 28	2 0	10 6	0 33	9 2	1 50	23 46	13 54	23 32	23 32	6 21	18 17	4 26
T 16	19 39	15 30	3 14	20 29	2 37	23 4	0 12	27 27	3 57	21 31	0 43	17 29	2 0	10 6	0 33	9 3	1 50	23 47	13 54	23 32	23 32	6 24	18 17	4 26
F 17	19 25	19 29	2 8	20 39	2 26	22 58	0 14	27 26	3 56	21 33	0 43	17 30	2 0	10 6	0 33	9 3	1 50	23 48	13 54	23 32	23 32	6 27	18 17	4 27
S 18	19 11	22 18	0 56	20 49	2 15	22 52	0 17	27 26	3 55	21 35	0 43	17 31	2 0	10 7	0 33	9 3	1 50	23 49	13 55	23 32	23 32	6 29	18 17	4 27
S 19	18 56	23 46	0n19	20 58	2 4	22 45	0 19	27 25	3 54	21 36	0 43	17 31	2 1	10 7	0 33	9 4	1 50	23 49	13 55	23 32	23 32	6 32	18 17	4 28
M20	18 41	23 48	1 32	21 7	1 53	22 38	0 22	27 24	3 53	21 38	0 43	17 32	2 1	10 7	0 33	9 4	1 50	23 50	13 55	23 32	23 32	6 35	18 18	4 28
T 21	18 25	22 26	2 38	21 15	1 42	22 30	0 24	27 23	3 52	21 39	0 43	17 33	2 1	10 7	0 33	9 4	1 50	23 51	13 55	23 32	23 32	6 38	18 18	4 29
W22	18 9	19 51	3 35	21 22	1 30	22 21	0 26	27 22	3 51	21 41	0 43	17 34	2 1	10 7	0 33	9 4	1 50	23 52	13 56	23 32	23 32	6 40	18 18	4 29
T 23	17 53	16 20	4 19	21 29	1 19	22 12	0 29	27 21	3 50	21 43	0 44	17 34	2 1	10 7	0 33	9 5	1 50	23 52	13 56	23 32	23 32	6 43	18 18	4 30
F 24	17 37	12 8	4 50	21 35	1 8	22 1	0 31	27 20	3 48	21 44	0 44	17 35	2 1	10 7	0 33	9 5	1 50	23 53	13 56	23 32	23 32	6 46	18 18	4 30
S 25	17 20	7 31	5 6	21 40	0 57	21 51	0 33	27 19	3 47	21 46	0 44	17 36	2 1	10 7	0 33	9 5	1 50	23 54	13 56	23 32	23 32	6 49	18 18	4 31
S 26	17 3	2 41	5 8	21 44	0 47	21 39	0 36	27 18	3 46	21 47	0 44	17 36	2 2	10 7	0 34	9 6	1 49	23 55	13 57	23 32	23 32	6 51	18 18	4 31
M27	16 46	2s10	4 57	21 47	0 36	21 27	0 38	27 16	3 45	21 48	0 44	17 37	2 2	10 7	0 34	9 6	1 49	23 55	13 57	23 32	23 32	6 54	18 18	4 31
T 28	16 28	6 55	4 32	21 49	0 26	21 14	0 40	27 15	3 43	21 50	0 44	17 37	2 2	10 7	0 34	9 6	1 49	23 56	13 57	23 32	23 32	6 57	18 18	4 32
W29	16 10	11 23	3 56	21 50	0 16	21 1	0 42	27 14	3 42	21 51	0 44	17 38	2 2	10 7	0 34	9 7	1 49	23 57	13 57	23 32	23 32	7 0	18 18	4 32
T 30	15 52	15 28	3 10	21 50	0 6	20 47	0 44	27 12	3 40	21 53	0 44	17 38	2 2	10 7	0 34	9 7	1 49	23 57	13 57	23 32	23 32	7 3	18 18	4 33
F 31	15s33	18s58	2n15	21s49	0s 3	20s32	0s47	27n11	3n39	21n54	0n44	17s39	2n 2	10s 6	0n34	9n 8	1s49	23n58	13n58	23n32	23n32	7s 5	18s18	4n33

Julian Day Number = 2166662.5, Delta T = 12m41s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'49, Lahiri = 12°58'50 Julian Calendar 1 Jan. 1220 == Greg. Calendar 8 Jan. 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

FEBRUARY 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 9 25	18♒49'22	16♐55	23♉ 1	3♒19	1°R26	25°R 8	27♏19	27°R30	28♈ 4	1°R27	0♋30	29♊ 7	29♎22	16♐20	S 1
S 2	9 13 22	19°49'51	29°26	24°13	4°34	1°D25	25♋ 1	27°22	27♎30	28° 5	1♍25	0°R31	29° 4	29°29	16°24	S 2
M 3	9 17 18	20°50'18	12♉17	25°26	5°49	1♋26	24°55	27°25	27°29	28° 6	1°24	0°30	29° 1	29°36	16°29	M 3
T 4	9 21 15	21°50'45	25°32	26°41	7° 4	1°27	24°48	27°27	27°29	28° 7	1°22	0°27	28°58	29°42	16°33	T 4
W 5	9 25 11	22°51'09	9♒11	27°57	8°19	1°28	24°42	27°30	27°28	28° 9	1°21	0°22	28°55	29°49	16°37	W 5
T 6	9 29 8	23°51'32	23°13	29°16	9°34	1°31	24°36	27°32	27°28	28°10	1°19	0°15	28°52	29°56	16°41	T 6
F 7	9 33 5	24°51'53	7♓32	0♒35	10°49	1°34	24°30	27°34	27°27	28°11	1°18	0° 6	28°48	0♏ 2	16°44	F 7
S 8	9 37 1	25°52'13	22° 4	1°56	12° 3	1°38	24°24	27°36	27°26	28°12	1°16	29♊57	28°45	0° 9	16°48	S 8
S 9	9 40 58	26°52'30	6♈40	3°19	13°18	1°42	24°18	27°38	27°25	28°14	1°15	29°48	28°42	0°16	16°52	S 9
M10	9 44 54	27°52'45	21°15	4°43	14°33	1°47	24°12	27°40	27°25	28°15	1°13	29°41	28°39	0°22	16°56	M10
T 11	9 48 51	28°52'58	5♉42	6° 8	15°48	1°53	24° 7	27°42	27°24	28°16	1°11	29°37	28°36	0°29	16°59	T 11
W12	9 52 47	29°53'10	19°57	7°34	17° 3	2° 0	24° 1	27°44	27°23	28°17	1°10	29°34	28°33	0°36	17° 3	W12
T 13	9 56 44	0♓53'19	3♊59	9° 1	18°17	2° 7	23°56	27°45	27°22	28°19	1° 8	29°D34	28°29	0°43	17° 6	T 13
F 14	10 0 40	1°53'25	17°47	10°30	19°32	2°15	23°51	27°47	27°21	28°20	1° 7	29°34	28°26	0°49	17° 9	F 14
S 15	10 4 37	2°53'30	1♋21	12° 0	20°47	2°23	23°46	27°48	27°20	28°22	1° 5	29°R35	28°23	0°56	17°12	S 15
S 16	10 8 34	3°53'33	14°43	13°31	22° 1	2°32	23°42	27°50	27°18	28°23	1° 4	29°34	28°20	1° 3	17°16	S 16
M17	10 12 30	4°53'33	27°54	15° 3	23°16	2°42	23°37	27°51	27°17	28°25	1° 2	29°30	28°17	1° 9	17°19	M17
T 18	10 16 27	5°53'31	10♌54	16°36	24°31	2°52	23°33	27°52	27°16	28°26	1° 0	29°24	28°13	1°16	17°22	T 18
W19	10 20 23	6°53'27	23°43	18°11	25°46	3° 2	23°29	27°53	27°15	28°28	0°59	29°15	28°10	1°23	17°24	W19
T 20	10 24 20	7°53'22	6♍21	19°47	27° 0	3°14	23°25	27°54	27°13	28°29	0°57	29° 4	28° 7	1°29	17°27	T 20
F 21	10 28 16	8°53'14	18°48	21°23	28°15	3°26	23°21	27°55	27°12	28°31	0°56	28°51	28° 4	1°36	17°30	F 21
S 22	10 32 13	9°53'04	1♎ 4	23° 1	29°30	3°38	23°17	27°56	27°11	28°32	0°54	28°38	28° 1	1°43	17°33	S 22
S 23	10 36 9	10°52'52	13°10	24°41	0♓44	3°51	23°14	27°56	27° 9	28°34	0°53	28°26	27°58	1°50	17°35	S 23
M24	10 40 6	11°52'38	25° 8	26°21	1°59	4° 4	23°10	27°57	27° 8	28°36	0°51	28°16	27°54	1°56	17°37	M24
T 25	10 44 2	12°52'23	7♏ 0	28° 2	3°14	4°18	23° 7	27°57	27° 6	28°37	0°50	28° 8	27°51	2° 3	17°40	T 25
W26	10 47 59	13°52'05	18°49	29°45	4°28	4°32	23° 4	27°58	27° 5	28°39	0°48	28° 2	27°48	2°10	17°42	W26
T 27	10 51 56	14°51'46	0♐41	1♓29	5°43	4°47	23° 2	27°58	27° 3	28°41	0°47	28° 0	27°45	2°16	17°44	T 27
F 28	10 55 52	15°51'26	12°39	3°14	6°57	5° 2	22°59	27°58	27° 1	28°43	0°45	27°D59	27°42	2°23	17°46	F 28
S 29	10 59 49	16♓51'03	24♐49	5♓ 1	8♓12	5♋18	22♋57	27°R58	27♎ 0	28♈44	0♍44	27°R59	27♊38	2♏30	17♐48	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	15s15	21s41	1n13	21s46	0s12	20s17	0s49	27n 9	3n38	21n55	0n44	17s39	2n 2	10s 6	0n34	9n 8	1s49	23n59	13n58	23n32	23n32	7s 8	18s18	4n34	S 1
S 2	14 56	23 26	0 6	21 43	0 21	20 1	0 51	27 8	3 36	21 57	0 44	17 40	2 3	10 6	0 34	9 9	1 49	24 0	13 58	23 32	23 32	7 11	18 17	4 35	S 2
M 3	14 37	24 1	1s 3	21 38	0 30	19 45	0 53	27 7	3 35	21 58	0 44	17 40	2 3	10 6	0 34	9 9	1 49	24 0	13 58	23 32	23 32	7 14	18 17	4 35	M 3
T 4	14 17	23 16	2 10	21 32	0 38	19 28	0 54	27 5	3 33	21 59	0 44	17 41	2 3	10 6	0 34	9 9	1 49	24 1	13 58	23 32	23 32	7 16	18 17	4 36	T 4
W 5	13 57	21 7	3 12	21 25	0 46	19 10	0 56	27 4	3 32	22 0	0 44	17 41	2 3	10 6	0 34	9 10	1 49	24 2	13 58	23 32	23 32	7 19	18 17	4 36	W 5
T 6	13 37	17 41	4 4	21 16	0 54	18 52	0 58	27 2	3 30	22 1	0 44	17 41	2 3	10 5	0 34	9 10	1 49	24 2	13 58	23 32	23 32	7 22	18 17	4 37	T 6
F 7	13 17	13 8	4 42	21 6	1 1	18 33	1 0	27 0	3 29	22 3	0 44	17 42	2 3	10 5	0 34	9 11	1 49	24 3	13 59	23 32	23 32	7 25	18 17	4 37	F 7
S 8	12 57	7 47	5 2	20 55	1 8	18 14	1 2	26 59	3 27	22 4	0 45	17 42	2 4	10 5	0 34	9 11	1 49	24 4	13 59	23 32	23 32	7 27	18 17	4 38	S 8
S 9	12 36	1 58	5 3	20 43	1 15	17 55	1 3	26 57	3 26	22 5	0 45	17 42	2 4	10 4	0 34	9 12	1 49	24 5	13 59	23 32	23 32	7 30	18 16	4 38	S 9
M10	12 16	3n56	4 44	20 29	1 21	17 34	1 5	26 56	3 24	22 6	0 45	17 43	2 4	10 4	0 34	9 12	1 49	24 5	13 59	23 32	23 32	7 33	18 16	4 39	M10
T 11	11 55	9 36	4 7	20 14	1 27	17 14	1 7	26 54	3 22	22 7	0 45	17 43	2 4	10 4	0 34	9 13	1 49	24 6	13 59	23 32	23 32	7 36	18 16	4 39	T 11
W12	11 34	14 40	3 15	19 57	1 33	16 52	1 8	26 52	3 21	22 8	0 45	17 43	2 4	10 3	0 34	9 13	1 48	24 7	13 59	23 32	23 32	7 38	18 16	4 40	W12
T 13	11 12	18 52	2 12	19 39	1 38	16 31	1 10	26 51	3 19	22 9	0 45	17 43	2 4	10 3	0 34	9 14	1 48	24 7	13 59	23 32	23 32	7 41	18 16	4 40	T 13
F 14	10 51	21 56	1 3	19 20	1 43	16 9	1 11	26 49	3 18	22 9	0 45	17 44	2 5	10 3	0 34	9 14	1 48	24 8	13 59	23 32	23 32	7 44	18 15	4 41	F 14
S 15	10 29	23 41	0n 9	18 59	1 48	15 46	1 12	26 47	3 16	22 10	0 45	17 44	2 5	10 2	0 34	9 15	1 48	24 8	13 59	23 32	23 32	7 47	18 15	4 42	S 15
S 16	10 7	24 3	1 20	18 37	1 52	15 23	1 14	26 46	3 15	22 11	0 45	17 44	2 5	10 2	0 34	9 16	1 48	24 9	13 59	23 32	23 32	7 49	18 15	4 42	S 16
M17	9 45	23 2	2 25	18 14	1 56	15 0	1 15	26 44	3 13	22 12	0 45	17 44	2 5	10 1	0 34	9 16	1 48	24 10	13 59	23 32	23 32	7 52	18 14	4 43	M17
T 18	9 23	20 47	3 21	17 49	1 59	14 36	1 16	26 42	3 12	22 13	0 45	17 44	2 5	10 1	0 34	9 17	1 48	24 10	13 59	23 32	23 32	7 55	18 14	4 43	T 18
W19	9 1	17 32	4 6	17 23	2 2	14 12	1 17	26 41	3 10	22 13	0 45	17 44	2 5	10 0	0 34	9 17	1 48	24 11	13 59	23 32	23 32	7 58	18 14	4 44	W19
T 20	8 39	13 31	4 38	16 55	2 5	13 47	1 18	26 39	3 9	22 14	0 45	17 44	2 6	10 0	0 34	9 18	1 48	24 12	14 0	23 32	23 32	8 0	18 13	4 44	T 20
F 21	8 16	9 0	4 57	16 26	2 7	13 22	1 19	26 37	3 7	22 15	0 45	17 44	2 6	9 59	0 34	9 19	1 48	24 12	14 0	23 32	23 32	8 3	18 13	4 45	F 21
S 22	7 54	4 10	5 1	15 56	2 9	12 57	1 20	26 35	3 6	22 15	0 45	17 44	2 6	9 59	0 34	9 19	1 48	24 13	14 0	23 32	23 32	8 6	18 13	4 46	S 22
S 23	7 31	0s45	4 52	15 24	2 10	12 31	1 21	26 33	3 4	22 16	0 45	17 44	2 6	9 58	0 34	9 20	1 48	24 13	14 0	23 32	23 31	8 9	18 12	4 46	S 23
M24	7 8	5 35	4 29	14 51	2 11	12 5	1 22	26 31	3 3	22 17	0 45	17 44	2 6	9 58	0 34	9 20	1 48	24 14	14 0	23 32	23 31	8 11	18 12	4 47	M24
T 25	6 45	10 12	3 55	14 16	2 12	11 39	1 22	26 29	3 1	22 17	0 45	17 44	2 6	9 57	0 34	9 21	1 48	24 14	14 0	23 32	23 31	8 14	18 12	4 47	T 25
W26	6 22	14 25	3 12	13 40	2 12	11 12	1 23	26 28	3 0	22 18	0 45	17 44	2 7	9 57	0 34	9 22	1 48	24 15	13 59	23 32	23 31	8 17	18 11	4 48	W26
T 27	5 59	18 6	2 19	13 2	2 12	10 45	1 24	26 26	2 58	22 18	0 45	17 44	2 7	9 56	0 34	9 22	1 48	24 16	13 59	23 32	23 31	8 20	18 11	4 49	T 27
F 28	5 36	21 5	1 20	12 24	2 11	10 18	1 24	26 24	2 57	22 19	0 45	17 44	2 7	9 55	0 34	9 23	1 48	24 16	13 59	23 32	23 31	8 22	18 10	4 49	F 28
S 29	5s13	23s10	0n17	11s43	2s10	9s50	1s25	26n21	2n56	22n19	0n45	17s44	2n 7	9s55	0n34	9n24	1s48	24n17	13n59	23n32	23n31	8s25	18s10	4n50	S 29

Julian Day Number = 2166693.5, Delta T = 12m41s
Ecliptic obliquity = 23°32'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'54, Lahiri = 12°58'54 Julian Calendar 1 Feb. 1220 == Greg. Calendar 8 Feb. 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

MARCH 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 3 45	17♓50'39	7♉17	6♓48	9♓27	5♋34	22°R55	27°R58	26°R58	28♈46	0°R42	27°R59	27♊35	2♏36	17♐50	S 1
M 2	11 7 42	18°50'13	20° 8	8°37	10°41	5°51	22♋53	27♏58	26♎56	28°48	0♍41	27♊57	27°32	2°43	17°52	M 2
T 3	11 11 38	19°49'45	3♒25	10°27	11°56	6° 8	22°51	27°57	26°54	28°50	0°39	27°53	27°29	2°50	17°54	T 3
W 4	11 15 35	20°49'15	17°10	12°19	13°10	6°25	22°49	27°57	26°52	28°52	0°38	27°47	27°26	2°57	17°55	W 4
T 5	11 19 31	21°48'43	1♓23	14°12	14°25	6°43	22°48	27°57	26°51	28°53	0°36	27°38	27°23	3° 3	17°57	T 5
F 6	11 23 28	22°48'09	16° 0	16° 6	15°39	7° 1	22°47	27°56	26°49	28°55	0°35	27°26	27°19	3°10	17°58	F 6
S 7	11 27 25	23°47'34	0♈53	18° 1	16°54	7°20	22°46	27°55	26°47	28°57	0°33	27°15	27°16	3°17	18° 0	S 7
S 8	11 31 21	24°46'56	15°55	19°57	18° 8	7°39	22°45	27°55	26°45	28°59	0°32	27° 4	27°13	3°23	18° 1	S 8
M 9	11 35 18	25°46'15	0♉54	21°55	19°23	7°59	22°44	27°54	26°43	29° 1	0°31	26°54	27°10	3°30	18° 2	M 9
T 10	11 39 14	26°45'33	15°43	23°54	20°37	8°18	22°44	27°53	26°41	29° 3	0°29	26°48	27° 7	3°37	18° 3	T 10
W11	11 43 11	27°44'48	0♊14	25°54	21°52	8°38	22°43	27°52	26°38	29° 5	0°28	26°44	27° 4	3°43	18° 4	W11
T 12	11 47 7	28°44'01	14°25	27°55	23° 6	8°59	22°D43	27°51	26°36	29° 7	0°26	26°42	27° 0	3°50	18° 5	T 12
F 13	11 51 4	29°43'12	28°15	29°57	24°21	9°20	22°44	27°49	26°34	29° 9	0°25	26°42	26°57	3°57	18° 6	F 13
S 14	11 55 0	0♈42'20	11♋44	2♈ 0	25°35	9°41	22°44	27°48	26°32	29°11	0°24	26°42	26°54	4° 4	18° 6	S 14
S 15	11 58 57	1°41'26	24°55	4° 3	26°49	10° 2	22°44	27°47	26°30	29°13	0°23	26°41	26°51	4°10	18° 7	S 15
M16	12 2 54	2°40'30	7♌51	6° 7	28° 4	10°24	22°45	27°45	26°28	29°15	0°21	26°37	26°48	4°17	18° 7	M16
T 17	12 6 50	3°39'31	20°33	8°12	29°18	10°46	22°46	27°43	26°25	29°17	0°20	26°30	26°44	4°24	18° 8	T 17
W18	12 10 47	4°38'30	3♍ 4	10°16	0♈33	11° 9	22°47	27°42	26°23	29°19	0°19	26°21	26°41	4°30	18° 8	W18
T 19	12 14 43	5°37'26	15°26	12°21	1°47	11°31	22°48	27°40	26°21	29°21	0°18	26° 9	26°38	4°37	18° 8	T 19
F 20	12 18 40	6°36'21	27°39	14°25	3° 1	11°54	22°50	27°38	26°18	29°24	0°16	25°55	26°35	4°44	18° 8	F 20
S 21	12 22 36	7°35'13	9♎45	16°28	4°16	12°18	22°51	27°36	26°16	29°26	0°15	25°42	26°32	4°50	18°R 8	S 21
S 22	12 26 33	8°34'03	21°44	18°30	5°30	12°41	22°53	27°34	26°14	29°28	0°14	25°29	26°29	4°57	18° 8	S 22
M23	12 30 29	9°32'52	3♏37	20°31	6°44	13° 5	22°55	27°32	26°11	29°30	0°13	25°17	26°25	5° 4	18° 8	M23
T 24	12 34 26	10°31'38	15°27	22°30	7°58	13°29	22°57	27°29	26° 9	29°32	0°12	25° 9	26°22	5°10	18° 8	T 24
W25	12 38 23	11°30'23	27°16	24°27	9°13	13°53	23° 0	27°27	26° 6	29°34	0°11	25° 3	26°19	5°17	18° 7	W25
T 26	12 42 19	12°29'06	9♐ 8	26°22	10°27	14°18	23° 2	27°25	26° 4	29°36	0° 9	24°59	26°16	5°24	18° 7	T 26
F 27	12 46 16	13°27'47	21° 6	28°14	11°41	14°43	23° 5	27°22	26° 2	29°39	0° 8	24°D58	26°13	5°31	18° 6	F 27
S 28	12 50 12	14°26'26	3♑15	0♉ 2	12°55	15° 8	23° 8	27°20	25°59	29°41	0° 7	24°58	26°10	5°37	18° 6	S 28
S 29	12 54 9	15°25'04	15°40	1°48	14° 9	15°33	23°11	27°17	25°57	29°43	0° 6	24°R59	26° 6	5°44	18° 5	S 29
M30	12 58 5	16°23'40	28°27	3°29	15°24	15°58	23°14	27°14	25°54	29°45	0° 5	24°58	26° 3	5°51	18° 4	M30
T 31	13 2 2	17♈22'14	11♒39	5♉ 7	16♈38	16♋24	23♋18	27♏11	25♎52	29♈47	0♍ 4	24♊55	26♊ 0	5♏57	18♐ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s49	24s 9	0s49	11s 2	2s 8	9s23	1s25	26n19	2n54	22n19	0n45	17s43	2n 7	9s54	0n34	9n24	1s48	24n17	13n59	23n32	23n31	8s28	18s10	4n50
M 2	4 26	23 55	1 54	10 19	2 6	8 55	1 26	26 17	2 53	22 20	0 45	17 43	2 7	9 54	0 34	9 25	1 48	24 18	13 59	23 31	23 31	8 31	18 9	4 51
T 3	4 3	22 19	2 56	9 34	2 3	8 26	1 26	26 15	2 51	22 20	0 45	17 43	2 8	9 53	0 34	9 26	1 48	24 18	13 59	23 31	23 31	8 33	18 9	4 52
W 4	3 39	19 23	3 49	8 49	2 0	7 58	1 26	26 13	2 50	22 20	0 45	17 43	2 8	9 52	0 34	9 26	1 48	24 18	13 59	23 31	23 31	8 36	18 8	4 52
T 5	3 16	15 13	4 30	8 2	1 56	7 29	1 26	26 10	2 48	22 20	0 45	17 43	2 8	9 51	0 34	9 27	1 47	24 19	13 59	23 31	23 31	8 39	18 8	4 53
F 6	2 52	10 4	4 54	7 13	1 52	7 0	1 26	26 8	2 47	22 21	0 45	17 42	2 8	9 51	0 34	9 28	1 47	24 19	13 59	23 31	23 31	8 42	18 7	4 53
S 7	2 29	4 13	5 0	6 24	1 47	6 31	1 26	26 6	2 46	22 21	0 45	17 42	2 8	9 50	0 34	9 29	1 47	24 20	13 59	23 31	23 31	8 44	18 7	4 54
S 8	2 5	1n55	4 44	5 33	1 41	6 2	1 26	26 3	2 44	22 21	0 45	17 42	2 8	9 49	0 34	9 29	1 47	24 20	13 59	23 30	23 31	8 47	18 6	4 55
M 9	1 41	7 56	4 10	4 41	1 35	5 33	1 26	26 1	2 43	22 21	0 45	17 41	2 8	9 49	0 34	9 30	1 47	24 21	13 59	23 30	23 31	8 50	18 6	4 55
T 10	1 18	13 27	3 18	3 48	1 29	5 3	1 26	25 58	2 42	22 21	0 45	17 41	2 9	9 48	0 34	9 31	1 47	24 21	13 58	23 30	23 31	8 53	18 5	4 56
W11	0 54	18 5	2 15	2 53	1 22	4 33	1 26	25 55	2 40	22 21	0 45	17 41	2 9	9 47	0 34	9 31	1 47	24 21	13 58	23 30	23 30	8 55	18 5	4 57
T 12	0 30	21 34	1 4	1 58	1 15	4 4	1 26	25 53	2 39	22 21	0 45	17 40	2 9	9 46	0 34	9 32	1 47	24 22	13 58	23 30	23 30	8 58	18 4	4 57
F 13	0 7	23 40	0n 8	1 2	1 7	3 34	1 25	25 50	2 38	22 21	0 44	17 40	2 9	9 45	0 34	9 33	1 47	24 22	13 58	23 30	23 30	9 1	18 4	4 58
S 14	0n17	24 19	1 19	0 5	0 58	3 4	1 25	25 47	2 36	22 21	0 44	17 39	2 9	9 45	0 34	9 34	1 47	24 23	13 58	23 30	23 30	9 4	18 3	4 58
S 15	0 41	23 35	2 23	0n52	0 49	2 34	1 25	25 44	2 35	22 21	0 44	17 39	2 9	9 44	0 34	9 34	1 47	24 23	13 58	23 30	23 30	9 6	18 3	4 59
M16	1 4	21 35	3 19	1 50	0 40	2 3	1 24	25 41	2 34	22 21	0 44	17 38	2 9	9 43	0 34	9 35	1 47	24 23	13 58	23 30	23 30	9 9	18 2	5 0
T 17	1 28	18 33	4 4	2 49	0 30	1 33	1 23	25 38	2 33	22 20	0 44	17 38	2 10	9 42	0 34	9 36	1 47	24 24	13 57	23 30	23 30	9 12	18 1	5 0
W18	1 51	14 42	4 36	3 47	0 19	1 3	1 23	25 35	2 31	22 20	0 44	17 37	2 10	9 41	0 34	9 37	1 47	24 24	13 57	23 29	23 30	9 15	18 1	5 1
T 19	2 15	10 17	4 55	4 46	0 9	0 33	1 22	25 32	2 30	22 20	0 44	17 37	2 10	9 41	0 34	9 37	1 47	24 24	13 57	23 29	23 30	9 17	18 0	5 1
F 20	2 38	5 31	5 0	5 44	0n 2	0 2	1 21	25 28	2 29	22 20	0 44	17 36	2 10	9 40	0 34	9 38	1 47	24 24	13 57	23 29	23 30	9 20	18 0	5 2
S 21	3 1	0 35	4 51	6 42	0 13	0n28	1 20	25 25	2 28	22 19	0 44	17 36	2 10	9 39	0 34	9 39	1 47	24 25	13 57	23 28	23 30	9 23	17 59	5 3
S 22	3 25	4s20	4 30	7 39	0 24	0 59	1 20	25 22	2 26	22 19	0 44	17 35	2 10	9 38	0 34	9 40	1 47	24 25	13 56	23 28	23 30	9 26	17 58	5 3
M23	3 48	9 4	3 57	8 36	0 36	1 29	1 19	25 18	2 25	22 19	0 44	17 34	2 10	9 37	0 34	9 40	1 47	24 25	13 56	23 27	23 30	9 28	17 58	5 4
T 24	4 11	13 27	3 13	9 31	0 47	1 59	1 18	25 14	2 24	22 18	0 44	17 34	2 11	9 36	0 34	9 41	1 47	24 25	13 56	23 27	23 29	9 31	17 57	5 5
W25	4 34	17 20	2 21	10 25	0 58	2 30	1 17	25 11	2 23	22 18	0 44	17 33	2 11	9 35	0 34	9 42	1 47	24 26	13 56	23 27	23 29	9 34	17 56	5 5
T 26	4 57	20 33	1 23	11 18	1 10	3 0	1 15	25 7	2 22	22 17	0 44	17 33	2 11	9 34	0 34	9 43	1 47	24 26	13 56	23 27	23 29	9 36	17 56	5 6
F 27	5 20	22 54	0 21	12 8	1 20	3 30	1 14	25 3	2 20	22 17	0 44	17 32	2 11	9 34	0 34	9 44	1 47	24 26	13 55	23 27	23 29	9 39	17 55	5 6
S 28	5 43	24 14	0s44	12 57	1 31	4 0	1 13	24 59	2 19	22 16	0 44	17 31	2 11	9 33	0 34	9 44	1 47	24 26	13 55	23 27	23 29	9 42	17 55	5 7
S 29	6 6	24 24	1 48	13 44	1 41	4 30	1 12	24 55	2 18	22 16	0 44	17 30	2 11	9 32	0 34	9 45	1 47	24 26	13 55	23 27	23 29	9 45	17 54	5 8
M30	6 28	23 18	2 48	14 28	1 51	5 0	1 10	24 51	2 17	22 15	0 44	17 30	2 11	9 31	0 34	9 46	1 47	24 26	13 55	23 27	23 29	9 47	17 53	5 8
T 31	6n51	20s54	3s42	15n10	2n 0	5n30	1s 9	24n46	2n16	22n15	0n44	17s29	2n11	9s30	0n34	9n47	1s47	24n27	13n54	23n27	23n29	9s50	17s53	5n 9

Julian Day Number = 2166722.5, Delta T = 12m41s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°51'58, Lahiri = 12°58'58 Julian Calendar 1 March 1220 == Greg. Calendar 8 March 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

APRIL 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 5 58	18♈20'47	25♒21	6♉41	17♈52	16♋50	23♋21	27°R 9	25°R49	29♈50	0°R 3	24°R51	25♊57	6♏ 4	18°R 2	W 1
T 2	13 9 55	19°19'17	9♓32	8°10	19° 6	17°16	23°25	27♏ 6	25♎47	29°52	0♍ 3	24♊44	25°54	6°11	18♐ 1	T 2
F 3	13 13 52	20°17'46	24°11	9°35	20°20	17°43	23°29	27° 3	25°44	29°54	0° 2	24°35	25°50	6°17	18° 0	F 3
S 4	13 17 48	21°16'14	9♈11	10°56	21°34	18° 9	23°33	26°59	25°42	29°56	0° 1	24°25	25°47	6°24	17°59	S 4
S 5	13 21 45	22°14'39	24°24	12°12	22°49	18°36	23°37	26°56	25°39	29°59	29♌59	24°16	25°44	6°31	17°57	S 5
M 6	13 25 41	23°13'03	9♉39	13°22	24° 3	19° 3	23°42	26°53	25°36	0♉ 1	29°59	24° 8	25°41	6°37	17°56	M 6
T 7	13 29 38	24°11'24	24°45	14°28	25°17	19°30	23°46	26°50	25°34	0° 3	29°58	24° 3	25°38	6°44	17°55	T 7
W 8	13 33 34	25° 9'44	9♊34	15°29	26°31	19°58	23°51	26°46	25°31	0° 5	29°58	24° 0	25°35	6°51	17°53	W 8
T 9	13 37 31	26° 8'02	23°59	16°25	27°45	20°25	23°56	26°43	25°29	0° 8	29°57	23°D59	25°31	6°58	17°51	T 9
F 10	13 41 27	27° 6'17	7♋59	17°16	28°59	20°53	24° 1	26°39	25°26	0°10	29°56	24° 0	25°28	7° 4	17°49	F 10
S 11	13 45 24	28° 4'31	21°33	18° 1	0♉13	21°21	24° 6	26°36	25°24	0°12	29°55	24°R 0	25°25	7°11	17°48	S 11
S 12	13 49 21	29° 2'42	4♌45	18°41	1°27	21°49	24°12	26°32	25°21	0°14	29°55	24° 0	25°22	7°18	17°46	S 12
M13	13 53 17	0♉ 0'52	17°36	19°16	2°41	22°18	24°17	26°28	25°19	0°17	29°54	23°59	25°19	7°24	17°44	M13
T 14	13 57 14	0°58'59	0♍10	19°45	3°55	22°46	24°23	26°25	25°16	0°19	29°54	23°55	25°15	7°31	17°42	T 14
W15	14 1 10	1°57'04	12°31	20° 9	5° 9	23°15	24°29	26°21	25°14	0°21	29°53	23°49	25°12	7°38	17°39	W15
T 16	14 5 7	2°55'08	24°42	20°28	6°23	23°44	24°35	26°17	25°11	0°23	29°52	23°41	25° 9	7°44	17°37	T 16
F 17	14 9 3	3°53'09	6♎45	20°41	7°37	24°13	24°41	26°13	25° 9	0°26	29°52	23°32	25° 6	7°51	17°35	F 17
S 18	14 13 0	4°51'09	18°42	20°49	8°51	24°42	24°47	26° 9	25° 6	0°28	29°51	23°23	25° 3	7°58	17°32	S 18
S 19	14 16 56	5°49'07	0♏35	20°R52	10° 4	25°11	24°54	26° 5	25° 4	0°30	29°51	23°14	25° 0	8° 4	17°30	S 19
M20	14 20 53	6°47'03	12°25	20°49	11°18	25°41	25° 0	26° 1	25° 1	0°32	29°51	23° 7	24°56	8°11	17°27	M20
T 21	14 24 49	7°44'58	24°15	20°42	12°32	26°10	25° 7	25°57	24°59	0°35	29°50	23° 1	24°53	8°18	17°25	T 21
W22	14 28 46	8°42'51	6♐ 6	20°30	13°46	26°40	25°14	25°53	24°56	0°37	29°50	22°57	24°50	8°24	17°22	W22
T 23	14 32 43	9°40'43	18° 2	20°14	15° 0	27°10	25°21	25°49	24°54	0°39	29°49	22°D56	24°47	8°31	17°19	T 23
F 24	14 36 39	10°38'34	0♑ 4	19°54	16°14	27°40	25°28	25°45	24°51	0°41	29°49	22°56	24°44	8°38	17°17	F 24
S 25	14 40 36	11°36'23	12°17	19°30	17°28	28°10	25°35	25°40	24°49	0°44	29°49	22°57	24°41	8°45	17°14	S 25
S 26	14 44 32	12°34'11	24°44	19° 3	18°41	28°40	25°43	25°36	24°47	0°46	29°49	22°59	24°37	8°51	17°11	S 26
M27	14 48 29	13°31'58	7♒31	18°33	19°55	29°11	25°50	25°32	24°44	0°48	29°48	23°R 0	24°34	8°58	17° 8	M27
T 28	14 52 25	14°29'44	20°40	18° 2	21° 9	29°41	25°58	25°28	24°42	0°50	29°48	23° 0	24°31	9° 5	17° 5	T 28
W29	14 56 22	15°27'28	4♓15	17°28	22°23	0♌12	26° 6	25°23	24°39	0°52	29°48	22°58	24°28	9°11	17° 2	W29
T 30	15 0 18	16♉25'11	18♓17	16♉54	23♉37	0♌43	26♋13	25♏19	24♎37	0♉55	29♌48	22♊55	24♊25	9♏18	16♐58	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n13	17s16	4s25	15n49	2n 9	6n 0	1s 8	24n42	2n15	22n14	0n44	17s28	2n11	9s29	0n34	9n48	1s47	24n27	13n54	23n26	23n29	9s53	17s52	5n 9
T 2	7 36	12 33	4 53	16 26	2 16	6 30	1 6	24 38	2 13	22 13	0 44	17 27	2 12	9 28	0 34	9 48	1 47	24 27	13 54	23 26	23 29	9 56	17 51	5 10
F 3	7 58	6 57	5 3	17 1	2 23	6 59	1 5	24 33	2 12	22 13	0 44	17 27	2 12	9 27	0 34	9 49	1 47	24 27	13 54	23 26	23 29	9 58	17 51	5 10
S 4	8 20	0 50	4 54	17 32	2 30	7 28	1 3	24 28	2 11	22 12	0 44	17 26	2 12	9 26	0 34	9 50	1 47	24 27	13 53	23 25	23 28	10 1	17 50	5 11
S 5	8 42	5n25	4 23	18 1	2 35	7 58	1 1	24 23	2 10	22 11	0 44	17 25	2 12	9 25	0 34	9 51	1 47	24 27	13 53	23 25	23 28	10 4	17 49	5 12
M 6	9 4	11 23	3 34	18 28	2 40	8 27	1 0	24 19	2 9	22 10	0 44	17 24	2 12	9 24	0 34	9 52	1 47	24 27	13 53	23 25	23 28	10 6	17 48	5 12
T 7	9 25	16 37	2 30	18 51	2 44	8 55	0 58	24 14	2 8	22 9	0 44	17 23	2 12	9 24	0 34	9 52	1 47	24 27	13 53	23 24	23 28	10 9	17 48	5 13
W 8	9 47	20 43	1 16	19 12	2 46	9 24	0 56	24 8	2 7	22 9	0 44	17 23	2 12	9 23	0 34	9 53	1 47	24 27	13 52	23 24	23 28	10 12	17 47	5 13
T 9	10 8	23 24	0 0	19 30	2 48	9 52	0 54	24 3	2 6	22 8	0 44	17 22	2 12	9 22	0 34	9 54	1 47	24 27	13 52	23 24	23 28	10 15	17 46	5 14
F 10	10 29	24 32	1n14	19 45	2 49	10 20	0 52	23 58	2 5	22 7	0 44	17 21	2 12	9 21	0 34	9 55	1 47	24 27	13 52	23 24	23 28	10 17	17 46	5 14
S 11	10 50	24 9	2 22	19 58	2 48	10 48	0 51	23 52	2 4	22 6	0 44	17 20	2 12	9 20	0 34	9 55	1 47	24 27	13 51	23 24	23 28	10 20	17 45	5 15
S 12	11 11	22 24	3 21	20 7	2 47	11 16	0 49	23 47	2 3	22 5	0 44	17 19	2 12	9 19	0 34	9 56	1 47	24 27	13 51	23 24	23 28	10 23	17 44	5 16
M13	11 31	19 32	4 7	20 15	2 44	11 43	0 47	23 41	2 2	22 4	0 43	17 18	2 12	9 18	0 34	9 57	1 47	24 27	13 51	23 24	23 27	10 26	17 44	5 16
T 14	11 52	15 50	4 41	20 19	2 40	12 11	0 45	23 35	2 1	22 3	0 43	17 17	2 12	9 17	0 34	9 58	1 47	24 27	13 50	23 24	23 27	10 28	17 43	5 17
W15	12 12	11 31	5 0	20 21	2 35	12 37	0 43	23 30	2 0	22 2	0 43	17 16	2 12	9 16	0 34	9 59	1 47	24 27	13 50	23 24	23 27	10 31	17 42	5 17
T 16	12 32	6 48	5 6	20 20	2 29	13 4	0 41	23 24	1 59	22 1	0 43	17 15	2 13	9 15	0 34	9 59	1 47	24 27	13 50	23 23	23 27	10 34	17 41	5 18
F 17	12 52	1 52	4 58	20 17	2 22	13 30	0 38	23 17	1 58	21 59	0 43	17 14	2 13	9 14	0 34	10 0	1 47	24 27	13 50	23 23	23 27	10 36	17 41	5 18
S 18	13 12	3s 5	4 37	20 10	2 13	13 56	0 36	23 11	1 57	21 58	0 43	17 13	2 13	9 13	0 34	10 1	1 47	24 26	13 49	23 22	23 27	10 39	17 40	5 19
S 19	13 31	7 54	4 4	20 2	2 4	14 22	0 34	23 5	1 56	21 57	0 43	17 12	2 13	9 13	0 34	10 2	1 47	24 26	13 49	23 22	23 27	10 42	17 39	5 19
M20	13 50	12 26	3 21	19 51	1 53	14 47	0 32	22 58	1 55	21 56	0 43	17 12	2 13	9 12	0 34	10 3	1 47	24 26	13 49	23 22	23 27	10 44	17 38	5 20
T 21	14 9	16 31	2 29	19 38	1 41	15 12	0 30	22 52	1 54	21 55	0 43	17 11	2 13	9 11	0 34	10 3	1 47	24 26	13 48	23 21	23 26	10 47	17 38	5 20
W22	14 28	19 57	1 30	19 22	1 28	15 36	0 27	22 45	1 53	21 53	0 43	17 10	2 13	9 10	0 34	10 4	1 47	24 26	13 48	23 21	23 26	10 50	17 37	5 21
T 23	14 46	22 33	0 27	19 4	1 14	16 0	0 25	22 38	1 52	21 52	0 43	17 9	2 13	9 9	0 34	10 5	1 47	24 26	13 48	23 21	23 26	10 53	17 36	5 21
F 24	15 5	24 11	0s39	18 44	0 59	16 24	0 23	22 31	1 51	21 51	0 43	17 8	2 13	9 8	0 34	10 6	1 47	24 25	13 47	23 21	23 26	10 55	17 36	5 22
S 25	15 23	24 41	1 43	18 23	0 44	16 47	0 21	22 24	1 50	21 49	0 43	17 7	2 13	9 7	0 34	10 6	1 47	24 25	13 47	23 21	23 26	10 58	17 35	5 22
S 26	15 41	23 58	2 44	18 0	0 27	17 10	0 18	22 17	1 49	21 48	0 43	17 6	2 13	9 6	0 34	10 7	1 47	24 25	13 47	23 21	23 26	11 1	17 34	5 23
M27	15 58	21 59	3 39	17 36	0 11	17 32	0 16	22 10	1 48	21 46	0 43	17 5	2 13	9 6	0 34	10 8	1 47	24 25	13 46	23 21	23 26	11 3	17 33	5 23
T 28	16 15	18 49	4 23	17 10	0s 6	17 54	0 14	22 3	1 47	21 45	0 43	17 4	2 13	9 5	0 34	10 9	1 47	24 25	13 46	23 21	23 26	11 6	17 33	5 23
W29	16 32	14 34	4 55	16 44	0 24	18 16	0 11	21 55	1 46	21 43	0 43	17 3	2 13	9 4	0 34	10 9	1 47	24 24	13 46	23 21	23 25	11 9	17 32	5 24
T 30	16n49	9s24	5s10	16n18	0s41	18n37	0s 9	21n47	1n45	21n42	0n43	17s 1	2n13	9s 3	0n34	10n10	1s47	24n24	13n45	23n21	23n25	11s11	17s31	5n24

Julian Day Number = 2166753.5, Delta T = 12m41s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'02, Lahiri = 12°59'02 Julian Calendar 1 Apr. 1220 == Greg. Calendar 8 Apr. 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

MAY 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 4 15	17♉22'54	2♈46	16°R19	24♉50	1♌14	26♋21	25°R14	24°R35	0♉57	29°R48	22°R51	24♊21	9♏25	16°R55	F 1
S 2	15 8 12	18°20'35	17°37	15♉44	26° 4	1°45	26°30	25♏10	24♎33	0°59	29♌48	22♊46	24°18	9°31	16♐52	S 2
S 3	15 12 8	19°18'15	2♉45	15°11	27°18	2°16	26°38	25° 6	24°30	1° 1	29°48	22°41	24°15	9°38	16°48	S 3
M 4	15 16 5	20°15'53	17°58	14°38	28°32	2°47	26°46	25° 1	24°28	1° 3	29°D48	22°37	24°12	9°45	16°45	M 4
T 5	15 20 1	21°13'31	3♊ 8	14° 8	29°45	3°19	26°55	24°57	24°26	1° 5	29°48	22°35	24° 9	9°51	16°42	T 5
W 6	15 23 58	22°11'07	18° 5	13°40	0♊59	3°50	27° 3	24°52	24°24	1° 8	29°48	22°D33	24° 6	9°58	16°38	W 6
T 7	15 27 54	23° 8'43	2♋40	13°15	2°13	4°22	27°12	24°48	24°22	1°10	29°48	22°34	24° 2	10° 5	16°35	T 7
F 8	15 31 51	24° 6'16	16°51	12°53	3°26	4°54	27°21	24°44	24°20	1°12	29°48	22°35	23°59	10°11	16°31	F 8
S 9	15 35 47	25° 3'49	0♌35	12°34	4°40	5°26	27°30	24°39	24°17	1°14	29°48	22°36	23°56	10°18	16°27	S 9
S 10	15 39 44	26° 1'19	13°53	12°20	5°54	5°58	27°39	24°35	24°15	1°16	29°48	22°38	23°53	10°25	16°24	S 10
M11	15 43 41	26°58'49	26°47	12° 9	7° 7	6°30	27°48	24°30	24°13	1°18	29°49	22°R38	23°50	10°31	16°20	M11
T 12	15 47 37	27°56'17	9♍21	12° 3	8°21	7° 2	27°57	24°26	24°11	1°20	29°49	22°38	23°47	10°38	16°16	T 12
W13	15 51 34	28°53'43	21°39	12°D 1	9°35	7°34	28° 7	24°21	24° 9	1°22	29°49	22°36	23°43	10°45	16°12	W13
T 14	15 55 30	29°51'09	3♎45	12° 4	10°48	8° 7	28°16	24°17	24° 8	1°24	29°49	22°33	23°40	10°51	16° 9	T 14
F 15	15 59 27	0♊48'33	15°42	12°11	12° 2	8°39	28°26	24°12	24° 6	1°26	29°50	22°30	23°37	10°58	16° 5	F 15
S 16	16 3 23	1°45'56	27°35	12°23	13°15	9°12	28°35	24° 8	24° 4	1°28	29°50	22°27	23°34	11° 5	16° 1	S 16
S 17	16 7 20	2°43'18	9♏25	12°39	14°29	9°45	28°45	24° 4	24° 2	1°30	29°50	22°24	23°31	11°12	15°57	S 17
M18	16 11 16	3°40'39	21°15	12°59	15°42	10°18	28°55	23°59	24° 0	1°32	29°51	22°21	23°27	11°18	15°53	M18
T 19	16 15 13	4°37'59	3♐ 8	13°24	16°56	10°51	29° 5	23°55	23°59	1°34	29°51	22°19	23°24	11°25	15°49	T 19
W20	16 19 10	5°35'19	15° 5	13°54	18°10	11°24	29°15	23°51	23°57	1°36	29°52	22°18	23°21	11°32	15°45	W20
T 21	16 23 6	6°32'37	27° 9	14°27	19°23	11°57	29°25	23°46	23°55	1°38	29°52	22°D18	23°18	11°38	15°41	T 21
F 22	16 27 3	7°29'55	9♑22	15° 5	20°37	12°30	29°35	23°42	23°54	1°40	29°53	22°19	23°15	11°45	15°37	F 22
S 23	16 30 59	8°27'13	21°46	15°46	21°50	13° 3	29°45	23°38	23°52	1°42	29°53	22°20	23°12	11°52	15°33	S 23
S 24	16 34 56	9°24'30	4♒23	16°32	23° 4	13°37	29°56	23°34	23°50	1°44	29°54	22°21	23° 8	11°58	15°29	S 24
M25	16 38 52	10°21'46	17°16	17°22	24°17	14°10	0♌ 6	23°30	23°49	1°46	29°55	22°22	23° 5	12° 5	15°25	M25
T 26	16 42 49	11°19'02	0♓28	18°15	25°30	14°44	0°17	23°25	23°48	1°48	29°55	22°23	23° 2	12°12	15°21	T 26
W27	16 46 46	12°16'17	14° 0	19°12	26°44	15°17	0°28	23°21	23°46	1°49	29°56	22°R23	22°59	12°18	15°17	W27
T 28	16 50 42	13°13'33	27°54	20°13	27°57	15°51	0°38	23°17	23°45	1°51	29°57	22°22	22°56	12°25	15°13	T 28
F 29	16 54 39	14°10'48	12♈10	21°18	29°11	16°25	0°49	23°13	23°43	1°53	29°57	22°22	22°53	12°32	15° 9	F 29
S 30	16 58 35	15° 8'03	26°45	22°26	0♋24	16°59	1° 0	23° 9	23°42	1°55	29°58	22°21	22°49	12°38	15° 5	S 30
S 31	17 2 32	16♊ 5'17	11♉34	23♉38	1♋38	17♌33	1♌11	23♏ 5	23♎41	1♉57	29♌59	22♊20	22♊46	12♏45	15♐ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 6	3s35	5s 7	15n51	0s59	18n57	0s 6	21n40	1n44	21n40	0n43	17s 0	2n13	9s 2	0n34	10n11	1s47	24n24	13n45	23n21	23n25	11s14	17s30	5n25
S 2	17 22	2n35	4 43	15 25	1 16	19 17	0 4	21 32	1 43	21 39	0 43	16 59	2 13	9 1	0 34	10 12	1 47	24 23	13 44	23 21	23 25	11 17	17 30	5 25
S 3	17 38	8 44	3 59	14 59	1 33	19 37	0 2	21 24	1 42	21 37	0 43	16 58	2 13	9 1	0 34	10 12	1 47	24 23	13 44	23 20	23 25	11 20	17 29	5 26
M 4	17 53	14 25	2 58	14 34	1 49	19 56	0n 1	21 16	1 41	21 36	0 43	16 57	2 13	9 0	0 34	10 13	1 47	24 23	13 44	23 20	23 25	11 22	17 28	5 26
T 5	18 9	19 10	1 44	14 10	2 4	20 14	0 3	21 8	1 40	21 34	0 43	16 56	2 13	8 59	0 34	10 14	1 47	24 22	13 43	23 20	23 25	11 25	17 28	5 26
W 6	18 24	22 36	0 25	13 48	2 19	20 32	0 6	20 59	1 40	21 32	0 43	16 55	2 13	8 58	0 34	10 15	1 47	24 22	13 43	23 20	23 24	11 28	17 27	5 27
T 7	18 38	24 26	0n55	13 27	2 33	20 49	0 8	20 51	1 39	21 30	0 43	16 54	2 13	8 57	0 34	10 15	1 47	24 22	13 43	23 20	23 24	11 30	17 26	5 27
F 8	18 53	24 37	2 9	13 9	2 45	21 6	0 10	20 42	1 38	21 29	0 43	16 53	2 12	8 57	0 34	10 16	1 47	24 21	13 42	23 20	23 24	11 33	17 25	5 27
S 9	19 7	23 16	3 14	12 52	2 57	21 22	0 13	20 33	1 37	21 27	0 43	16 52	2 12	8 56	0 34	10 17	1 47	24 21	13 42	23 20	23 24	11 36	17 25	5 28
S 10	19 21	20 39	4 5	12 37	3 8	21 38	0 15	20 25	1 36	21 25	0 43	16 51	2 12	8 55	0 34	10 17	1 47	24 21	13 42	23 20	23 24	11 38	17 24	5 28
M11	19 34	17 4	4 43	12 25	3 17	21 53	0 18	20 16	1 35	21 23	0 43	16 50	2 12	8 54	0 34	10 18	1 47	24 20	13 41	23 20	23 24	11 41	17 23	5 29
T 12	19 47	12 49	5 6	12 15	3 26	22 7	0 20	20 7	1 34	21 21	0 43	16 49	2 12	8 54	0 34	10 19	1 47	24 20	13 41	23 20	23 24	11 44	17 23	5 29
W13	20 0	8 8	5 14	12 8	3 33	22 21	0 22	19 57	1 33	21 19	0 43	16 48	2 12	8 53	0 34	10 20	1 47	24 19	13 41	23 20	23 23	11 46	17 22	5 29
T 14	20 12	3 13	5 8	12 3	3 39	22 34	0 25	19 48	1 33	21 18	0 43	16 47	2 12	8 52	0 34	10 20	1 47	24 19	13 40	23 20	23 23	11 49	17 21	5 29
F 15	20 24	1s46	4 49	12 0	3 44	22 47	0 27	19 39	1 32	21 16	0 43	16 46	2 12	8 52	0 34	10 21	1 47	24 18	13 40	23 20	23 23	11 52	17 21	5 30
S 16	20 36	6 39	4 17	12 0	3 48	22 59	0 30	19 29	1 31	21 14	0 43	16 45	2 12	8 51	0 34	10 22	1 47	24 18	13 40	23 19	23 23	11 54	17 20	5 30
S 17	20 48	11 17	3 35	12 2	3 50	23 10	0 32	19 20	1 30	21 12	0 43	16 44	2 12	8 50	0 34	10 22	1 47	24 18	13 39	23 19	23 23	11 57	17 19	5 30
M18	20 59	15 31	2 43	12 7	3 52	23 20	0 34	19 10	1 29	21 10	0 43	16 43	2 12	8 50	0 34	10 23	1 47	24 17	13 39	23 19	23 23	12 0	17 19	5 31
T 19	21 9	19 10	1 44	12 14	3 53	23 30	0 37	19 0	1 28	21 7	0 43	16 42	2 12	8 49	0 34	10 24	1 47	24 17	13 38	23 19	23 23	12 2	17 18	5 31
W20	21 20	22 3	0 40	12 23	3 52	23 39	0 39	18 50	1 27	21 5	0 43	16 41	2 12	8 49	0 34	10 24	1 47	24 16	13 38	23 19	23 22	12 5	17 17	5 31
T 21	21 30	23 57	0s27	12 34	3 51	23 48	0 41	18 40	1 27	21 3	0 43	16 40	2 11	8 48	0 34	10 25	1 47	24 16	13 38	23 19	23 22	12 8	17 17	5 31
F 22	21 39	24 45	1 33	12 47	3 49	23 56	0 43	18 30	1 26	21 1	0 43	16 39	2 11	8 47	0 34	10 25	1 47	24 15	13 37	23 19	23 22	12 10	17 16	5 32
S 23	21 48	24 20	2 36	13 2	3 46	24 3	0 45	18 19	1 25	20 59	0 43	16 38	2 11	8 47	0 33	10 26	1 47	24 14	13 37	23 19	23 22	12 13	17 15	5 32
S 24	21 57	22 41	3 32	13 18	3 42	24 9	0 48	18 9	1 24	20 57	0 43	16 38	2 11	8 46	0 33	10 27	1 47	24 14	13 37	23 19	23 22	12 16	17 15	5 32
M25	22 6	19 50	4 20	13 36	3 37	24 15	0 50	17 59	1 23	20 54	0 43	16 37	2 11	8 46	0 33	10 27	1 48	24 13	13 36	23 19	23 22	12 18	17 14	5 32
T 26	22 14	15 56	4 54	13 56	3 32	24 20	0 52	17 48	1 22	20 52	0 43	16 36	2 11	8 45	0 33	10 28	1 48	24 13	13 36	23 19	23 21	12 21	17 13	5 32
W27	22 22	11 8	5 14	14 18	3 26	24 24	0 54	17 37	1 22	20 50	0 43	16 35	2 11	8 45	0 33	10 29	1 48	24 12	13 36	23 19	23 21	12 24	17 13	5 33
T 28	22 29	5 39	5 15	14 40	3 19	24 28	0 56	17 26	1 21	20 48	0 43	16 34	2 11	8 44	0 33	10 29	1 48	24 12	13 35	23 19	23 21	12 26	17 12	5 33
F 29	22 36	0n15	4 58	15 4	3 12	24 30	0 58	17 15	1 20	20 45	0 43	16 33	2 11	8 44	0 33	10 30	1 48	24 11	13 35	23 19	23 21	12 29	17 12	5 33
S 30	22 42	6 17	4 22	15 29	3 4	24 32	1 0	17 4	1 19	20 43	0 43	16 32	2 10	8 43	0 33	10 30	1 48	24 10	13 35	23 19	23 21	12 32	17 11	5 33
S 31	22n49	12n 5	3s27	15n55	2s56	24n34	1n 2	16n53	1n18	20n40	0n43	16s31	2n10	8s43	0n33	10n31	1s48	24n10	13n34	23n19	23n21	12s34	17s10	5n33

Julian Day Number = 2166783.5, Delta T = 12m41s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'06, Lahiri = 12°59'06 Julian Calendar 1 May 1220 == Greg. Calendar 8 May 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

JUNE 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 6 28	17♊ 2'31	26♉31	24♉53	2♋51	18♌ 7	1♌22	23°R 2	23°R40	1♉58	29♌59	22°R20	22♊43	12♏52	14°R57	M 1
T 2	17 10 25	17°59'46	11♊29	26°11	4° 5	18°41	1°33	22♏58	23♎39	2° 0	0♍ 1	22♊19	22°40	12°58	14♐53	T 2
W 3	17 14 21	18°56'59	26°19	27°33	5°18	19°15	1°44	22°54	23°37	2° 2	0° 2	22°D19	22°37	13° 5	14°49	W 3
T 4	17 18 18	19°54'13	10♋54	28°58	6°31	19°50	1°55	22°50	23°36	2° 3	0° 3	22°20	22°33	13°12	14°45	T 4
F 5	17 22 15	20°51'26	25° 8	0♊27	7°45	20°24	2° 7	22°47	23°35	2° 5	0° 3	22°20	22°30	13°18	14°41	F 5
S 6	17 26 11	21°48'38	8♌57	1°58	8°58	20°59	2°18	22°43	23°34	2° 7	0° 4	22°20	22°27	13°25	14°37	S 6
S 7	17 30 8	22°45'50	22°21	3°33	10°11	21°33	2°29	22°39	23°34	2° 8	0° 5	22°R20	22°24	13°32	14°33	S 7
M 8	17 34 4	23°43'02	5♍20	5°11	11°25	22° 8	2°41	22°36	23°33	2°10	0° 6	22°20	22°21	13°38	14°29	M 8
T 9	17 38 1	24°40'13	17°57	6°53	12°38	22°43	2°52	22°33	23°32	2°11	0° 8	22°20	22°18	13°45	14°25	T 9
W10	17 41 57	25°37'23	0♎17	8°37	13°51	23°18	3° 4	22°29	23°31	2°13	0° 9	22°D20	22°14	13°52	14°21	W10
T 11	17 45 54	26°34'33	12°22	10°24	15° 5	23°52	3°16	22°26	23°30	2°14	0°10	22°20	22°11	13°59	14°17	T 11
F 12	17 49 50	27°31'43	24°18	12°15	16°18	24°27	3°28	22°23	23°30	2°16	0°11	22°20	22° 8	14° 5	14°13	F 12
S 13	17 53 47	28°28'52	6♏ 9	14° 8	17°31	25° 3	3°39	22°19	23°29	2°17	0°12	22°21	22° 5	14°12	14° 9	S 13
S 14	17 57 44	29°26'01	17°58	16° 3	18°45	25°38	3°51	22°16	23°29	2°19	0°13	22°21	22° 2	14°19	14° 5	S 14
M15	18 1 40	0♋23'10	29°51	18° 2	19°58	26°13	4° 3	22°13	23°28	2°20	0°14	22°22	21°59	14°25	14° 1	M15
T 16	18 5 37	1°20'19	11♐49	20° 2	21°11	26°48	4°15	22°10	23°28	2°21	0°16	22°23	21°55	14°32	13°58	T 16
W17	18 9 33	2°17'28	23°55	22° 5	22°24	27°23	4°27	22° 8	23°27	2°23	0°17	22°R23	21°52	14°39	13°54	W17
T 18	18 13 30	3°14'37	6♑12	24° 9	23°37	27°59	4°39	22° 5	23°27	2°24	0°18	22°23	21°49	14°45	13°50	T 18
F 19	18 17 26	4°11'47	18°40	26°15	24°51	28°34	4°51	22° 2	23°27	2°25	0°20	22°22	21°46	14°52	13°47	F 19
S 20	18 21 23	5° 8'56	1♒22	28°22	26° 4	29°10	5° 3	21°59	23°26	2°27	0°21	22°20	21°43	14°59	13°43	S 20
S 21	18 25 19	6° 6'06	14°17	0♋30	27°17	29°46	5°16	21°57	23°26	2°28	0°22	22°18	21°39	15° 5	13°39	S 21
M22	18 29 16	7° 3'16	27°26	2°39	28°30	0♍21	5°28	21°54	23°26	2°29	0°24	22°17	21°36	15°12	13°36	M22
T 23	18 33 13	8° 0'27	10♓50	4°48	29°43	0°57	5°40	21°52	23°26	2°30	0°25	22°15	21°33	15°19	13°32	T 23
W24	18 37 9	8°57'38	24°28	6°57	0♌56	1°33	5°52	21°50	23°26	2°31	0°26	22°14	21°30	15°25	13°29	W24
T 25	18 41 6	9°54'49	8♈21	9° 7	2° 9	2° 9	6° 5	21°47	23°D26	2°32	0°28	22°D13	21°27	15°32	13°26	T 25
F 26	18 45 2	10°52'02	22°27	11°15	3°23	2°45	6°17	21°45	23°26	2°34	0°29	22°14	21°24	15°39	13°22	F 26
S 27	18 48 59	11°49'15	6♉45	13°23	4°36	3°21	6°30	21°43	23°26	2°35	0°31	22°14	21°20	15°45	13°19	S 27
S 28	18 52 55	12°46'29	21°13	15°30	5°49	3°57	6°42	21°41	23°26	2°36	0°32	22°16	21°17	15°52	13°16	S 28
M29	18 56 52	13°43'43	5♊47	17°37	7° 2	4°33	6°55	21°39	23°26	2°37	0°34	22°17	21°14	15°59	13°13	M29
T 30	19 0 48	14♋40'59	20♊22	19♋42	8♌15	5♍ 9	7♌ 7	21♏37	23♎27	2♉38	0♍35	22°R17	21♊11	16♏ 5	13♐ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n54	17n13	2s18	16n22	2s46	24n34	1n 4	16n42	1n18	20n38	0n43	16s31	2n10	8s43	0n33	10n31	1s48	24n 9	13n34	23n19	23n20	12s37	17s10	5n33
T 2	23 0	21 16	1 0	16 50	2 37	24 34	1 6	16 30	1 17	20 35	0 43	16 30	2 10	8 42	0 33	10 32	1 48	24 9	13 34	23 19	23 20	12 40	17 9	5 33
W 3	23 5	23 52	0n22	17 19	2 27	24 34	1 8	16 19	1 16	20 33	0 43	16 29	2 10	8 42	0 33	10 32	1 48	24 8	13 33	23 19	23 20	12 42	17 9	5 34
T 4	23 9	24 46	1 41	17 47	2 17	24 32	1 9	16 7	1 15	20 30	0 43	16 28	2 10	8 41	0 33	10 33	1 48	24 7	13 33	23 19	23 20	12 45	17 8	5 34
F 5	23 13	24 1	2 52	18 17	2 6	24 30	1 11	15 55	1 14	20 28	0 43	16 27	2 9	8 41	0 33	10 34	1 48	24 7	13 33	23 19	23 20	12 48	17 8	5 34
S 6	23 17	21 48	3 51	18 46	1 55	24 27	1 13	15 44	1 14	20 25	0 43	16 27	2 9	8 41	0 33	10 34	1 48	24 6	13 32	23 19	23 19	12 50	17 7	5 34
S 7	23 21	18 27	4 35	19 16	1 44	24 23	1 14	15 32	1 13	20 23	0 43	16 26	2 9	8 41	0 33	10 35	1 48	24 5	13 32	23 19	23 19	12 53	17 7	5 34
M 8	23 23	14 18	5 4	19 45	1 32	24 19	1 16	15 20	1 12	20 20	0 43	16 25	2 9	8 40	0 33	10 35	1 48	24 5	13 32	23 19	23 19	12 55	17 6	5 34
T 9	23 26	9 38	5 16	20 14	1 20	24 13	1 17	15 8	1 11	20 17	0 43	16 25	2 9	8 40	0 33	10 36	1 48	24 4	13 31	23 19	23 19	12 58	17 6	5 34
W10	23 28	4 41	5 14	20 42	1 8	24 8	1 19	14 55	1 11	20 15	0 43	16 24	2 9	8 40	0 33	10 36	1 48	24 3	13 31	23 19	23 19	13 1	17 5	5 34
T 11	23 30	0s20	4 58	21 10	0 56	24 1	1 20	14 43	1 10	20 12	0 43	16 23	2 8	8 39	0 33	10 36	1 48	24 3	13 31	23 19	23 19	13 3	17 5	5 34
F 12	23 31	5 17	4 29	21 37	0 44	23 54	1 22	14 31	1 9	20 9	0 43	16 23	2 8	8 39	0 33	10 37	1 48	24 2	13 31	23 19	23 18	13 6	17 4	5 34
S 13	23 32	10 1	3 49	22 3	0 32	23 46	1 23	14 18	1 8	20 7	0 43	16 22	2 8	8 39	0 33	10 37	1 48	24 1	13 30	23 19	23 18	13 9	17 4	5 34
S 14	23 32	14 23	3 0	22 28	0 21	23 37	1 24	14 5	1 7	20 4	0 43	16 21	2 8	8 39	0 33	10 38	1 48	24 1	13 30	23 19	23 18	13 11	17 3	5 34
M15	23 32	18 13	2 2	22 51	0 9	23 28	1 26	13 53	1 7	20 1	0 43	16 21	2 8	8 39	0 33	10 38	1 48	24 0	13 30	23 19	23 18	13 14	17 3	5 34
T 16	23 32	21 20	0 58	23 12	0n 2	23 17	1 27	13 40	1 6	19 58	0 43	16 20	2 7	8 39	0 33	10 39	1 49	23 59	13 29	23 19	23 18	13 16	17 3	5 34
W17	23 31	23 33	0s 9	23 32	0 14	23 7	1 28	13 27	1 5	19 55	0 43	16 20	2 7	8 38	0 33	10 39	1 49	23 58	13 29	23 19	23 17	13 19	17 2	5 34
T 18	23 30	24 39	1 16	23 49	0 24	22 55	1 29	13 14	1 4	19 52	0 43	16 19	2 7	8 38	0 33	10 39	1 49	23 58	13 29	23 19	23 17	13 22	17 2	5 34
F 19	23 28	24 33	2 21	24 4	0 35	22 43	1 30	13 1	1 4	19 49	0 43	16 19	2 7	8 38	0 33	10 40	1 49	23 57	13 29	23 19	23 17	13 24	17 1	5 34
S 20	23 26	23 11	3 19	24 16	0 44	22 30	1 31	12 48	1 3	19 47	0 43	16 18	2 7	8 38	0 33	10 40	1 49	23 56	13 28	23 19	23 17	13 27	17 1	5 34
S 21	23 24	20 35	4 9	24 26	0 54	22 17	1 31	12 34	1 2	19 44	0 43	16 18	2 6	8 38	0 33	10 41	1 49	23 55	13 28	23 19	23 17	13 30	17 1	5 34
M22	23 21	16 54	4 47	24 33	1 2	22 3	1 32	12 21	1 1	19 41	0 43	16 17	2 6	8 38	0 32	10 41	1 49	23 55	13 28	23 19	23 16	13 32	17 0	5 34
T 23	23 18	12 18	5 10	24 37	1 10	21 48	1 33	12 8	1 1	19 38	0 43	16 17	2 6	8 38	0 32	10 41	1 49	23 54	13 27	23 19	23 16	13 35	17 0	5 34
W24	23 14	7 2	5 16	24 39	1 17	21 33	1 33	11 54	1 0	19 35	0 43	16 16	2 6	8 38	0 32	10 42	1 49	23 53	13 27	23 19	23 16	13 37	17 0	5 34
T 25	23 10	1 19	5 3	24 37	1 24	21 17	1 34	11 41	0 59	19 32	0 43	16 16	2 6	8 38	0 32	10 42	1 49	23 52	13 27	23 19	23 16	13 40	16 59	5 33
F 26	23 6	4n33	4 33	24 33	1 30	21 1	1 34	11 27	0 58	19 28	0 43	16 16	2 5	8 38	0 32	10 42	1 49	23 52	13 27	23 19	23 16	13 43	16 59	5 33
S 27	23 1	10 17	3 45	24 26	1 35	20 44	1 35	11 13	0 58	19 25	0 43	16 15	2 5	8 38	0 32	10 43	1 49	23 51	13 26	23 19	23 15	13 45	16 59	5 33
S 28	22 55	15 31	2 43	24 16	1 39	20 26	1 35	10 59	0 57	19 22	0 43	16 15	2 5	8 38	0 32	10 43	1 49	23 50	13 26	23 19	23 15	13 48	16 59	5 33
M29	22 50	19 53	1 30	24 4	1 42	20 8	1 36	10 45	0 56	19 19	0 43	16 15	2 5	8 39	0 32	10 43	1 49	23 49	13 26	23 19	23 15	13 50	16 58	5 33
T 30	22n44	23n 1	0s11	23n49	1n45	19n49	1n36	10n31	0n56	19n16	0n43	16s15	2n 4	8s39	0n32	10n44	1s49	23n48	13n26	23n19	23n15	13s53	16s58	5n33

Julian Day Number = 2166814.5, Delta T = 12m40s
Ecliptic obliquity = 23°32'26, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'10, Lahiri = 12°59'11 Julian Calendar 1 June 1220 == Greg. Calendar 8 June 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

JULY 1220 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 4 45	15♋38'15	4♋53	21♋45	9♌28	5♍46	7♌20	21°R36	23♎27	2♉39	0♍37	22°R17	21♊ 8	16♏12	13°R 6	W 1
T 2	19 8 42	16°35'31	19°13	23°47	10°41	6°22	7°33	21♏34	23°27	2°40	0°39	22♊15	21° 5	16°19	13♐ 3	T 2
F 3	19 12 38	17°32'48	3♌18	25°48	11°54	6°59	7°45	21°32	23°28	2°40	0°40	22°13	21° 1	16°25	13° 0	F 3
S 4	19 16 35	18°30'06	17° 3	27°47	13° 7	7°35	7°58	21°31	23°28	2°41	0°42	22° 9	20°58	16°32	12°58	S 4
S 5	19 20 31	19°27'24	0♍26	29°45	14°20	8°12	8°11	21°30	23°29	2°42	0°44	22° 5	20°55	16°39	12°55	S 5
M 6	19 24 28	20°24'43	13°27	1♌41	15°33	8°48	8°24	21°28	23°29	2°43	0°45	22° 1	20°52	16°45	12°52	M 6
T 7	19 28 24	21°22'02	26° 6	3°35	16°46	9°25	8°36	21°27	23°30	2°44	0°47	21°58	20°49	16°52	12°49	T 7
W 8	19 32 21	22°19'21	8♎27	5°27	17°58	10° 2	8°49	21°26	23°31	2°44	0°49	21°56	20°45	16°59	12°47	W 8
T 9	19 36 17	23°16'41	20°33	7°18	19°11	10°39	9° 2	21°25	23°31	2°45	0°50	21°D55	20°42	17° 5	12°44	T 9
F 10	19 40 14	24°14'02	2♏29	9° 7	20°24	11°16	9°15	21°24	23°32	2°46	0°52	21°55	20°39	17°12	12°42	F 10
S 11	19 44 11	25°11'23	14°19	10°55	21°37	11°53	9°28	21°23	23°33	2°46	0°54	21°56	20°36	17°19	12°39	S 11
S 12	19 48 7	26° 8'45	26°10	12°40	22°50	12°30	9°41	21°23	23°34	2°47	0°56	21°58	20°33	17°25	12°37	S 12
M13	19 52 4	27° 6'07	8♐ 4	14°24	24° 3	13° 7	9°54	21°22	23°35	2°47	0°58	21°59	20°30	17°32	12°35	M13
T 14	19 56 0	28° 3'31	20° 8	16° 7	25°15	13°44	10° 7	21°22	23°36	2°48	0°59	22°R 0	20°26	17°39	12°33	T 14
W15	19 59 57	29° 0'55	2♑23	17°48	26°28	14°22	10°20	21°21	23°37	2°49	1° 1	22° 0	20°23	17°45	12°30	W15
T 16	20 3 53	29°58'20	14°53	19°27	27°41	14°59	10°33	21°21	23°38	2°49	1° 3	21°58	20°20	17°52	12°28	T 16
F 17	20 7 50	0♒55'45	27°39	21° 4	28°53	15°36	10°46	21°21	23°39	2°49	1° 5	21°54	20°17	17°59	12°26	F 17
S 18	20 11 47	1°53'12	10♓42	22°40	0♍ 6	16°14	10°59	21°20	23°40	2°50	1° 7	21°48	20°14	18° 5	12°25	S 18
S 19	20 15 43	2°50'40	24° 1	24°14	1°19	16°51	11°12	21°D20	23°41	2°50	1° 9	21°42	20°11	18°12	12°23	S 19
M20	20 19 40	3°48'09	7♈34	25°47	2°31	17°29	11°25	21°20	23°43	2°51	1°11	21°35	20° 7	18°19	12°21	M20
T 21	20 23 36	4°45'40	21°18	27°18	3°44	18° 6	11°38	21°21	23°44	2°51	1°12	21°29	20° 4	18°25	12°19	T 21
W22	20 27 33	5°43'11	5♉13	28°47	4°56	18°44	11°51	21°21	23°45	2°51	1°14	21°24	20° 1	18°32	12°18	W22
T 23	20 31 29	6°40'44	19°14	0♍15	6° 9	19°22	12° 4	21°21	23°47	2°51	1°16	21°21	19°58	18°39	12°16	T 23
F 24	20 35 26	7°38'19	3♉20	1°41	7°21	20° 0	12°17	21°22	23°48	2°52	1°18	21°D19	19°55	18°45	12°15	F 24
S 25	20 39 22	8°35'55	17°30	3° 5	8°34	20°38	12°30	21°22	23°50	2°52	1°20	21°19	19°51	18°52	12°14	S 25
S 26	20 43 19	9°33'33	1♊41	4°27	9°46	21°16	12°43	21°23	23°51	2°52	1°22	21°20	19°48	18°59	12°13	S 26
M27	20 47 16	10°31'13	15°53	5°48	10°59	21°54	12°56	21°24	23°53	2°52	1°24	21°R21	19°45	19° 5	12°11	M27
T 28	20 51 12	11°28'54	0♋ 2	7° 7	12°11	22°32	13° 9	21°24	23°55	2°52	1°26	21°21	19°42	19°12	12°10	T 28
W29	20 55 9	12°26'36	14° 7	8°24	13°24	23°10	13°23	21°25	23°57	2°52	1°28	21°19	19°39	19°19	12° 9	W29
T 30	20 59 5	13°24'21	28° 4	9°39	14°36	23°48	13°36	21°26	23°58	2°R52	1°30	21°15	19°36	19°25	12° 9	T 30
F 31	21 3 2	14♌22'06	11♌50	10♍52	15♍48	24♍26	13♌49	21♏27	24♎ 0	2♉52	1♍32	21♊ 8	19♊32	19♏32	12♐ 8	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n37	24n36	1n 9	23n32	1n47	19n30	1n36	10n17	0n55	19n13	0n43	16s14	2n 4	8s39	0n32	10n44	1s49	23n48	13n26	23n19	23n15	13s56	16s58	5n33
T 2	22 30	24 31	2 23	23 13	1 48	19 10	1 36	10 3	0 54	19 9	0 43	16 14	2 4	8 39	0 32	10 44	1 49	23 47	13 25	23 19	23 14	13 58	16 58	5 32
F 3	22 23	22 51	3 27	22 52	1 49	18 50	1 36	9 49	0 53	19 6	0 43	16 14	2 4	8 39	0 32	10 44	1 49	23 46	13 25	23 19	23 14	14 1	16 58	5 32
S 4	22 15	19 52	4 17	22 28	1 49	18 29	1 36	9 34	0 53	19 3	0 43	16 14	2 4	8 39	0 32	10 45	1 50	23 45	13 25	23 18	23 14	14 3	16 57	5 32
S 5	22 7	15 54	4 51	22 3	1 48	18 8	1 36	9 20	0 52	19 0	0 43	16 14	2 3	8 40	0 32	10 45	1 50	23 44	13 25	23 18	23 14	14 6	16 57	5 32
M 6	21 59	11 18	5 10	21 37	1 47	17 46	1 35	9 5	0 51	18 56	0 43	16 14	2 3	8 40	0 32	10 45	1 50	23 44	13 24	23 18	23 13	14 9	16 57	5 32
T 7	21 50	6 20	5 12	21 8	1 45	17 23	1 35	8 51	0 50	18 53	0 43	16 14	2 3	8 40	0 32	10 45	1 50	23 43	13 24	23 18	23 13	14 11	16 57	5 32
W 8	21 41	1 14	5 0	20 39	1 43	17 1	1 35	8 36	0 50	18 50	0 43	16 13	2 3	8 40	0 32	10 45	1 50	23 42	13 24	23 18	23 13	14 14	16 57	5 31
T 9	21 31	3s48	4 35	20 8	1 40	16 37	1 34	8 22	0 49	18 46	0 43	16 13	2 2	8 41	0 32	10 46	1 50	23 41	13 24	23 18	23 13	14 16	16 57	5 31
F 10	21 22	8 39	3 58	19 36	1 36	16 14	1 34	8 7	0 48	18 43	0 43	16 13	2 2	8 41	0 32	10 46	1 50	23 40	13 24	23 18	23 13	14 19	16 57	5 31
S 11	21 11	13 9	3 11	19 3	1 32	15 50	1 33	7 52	0 48	18 40	0 44	16 13	2 2	8 41	0 32	10 46	1 50	23 40	13 24	23 18	23 12	14 21	16 57	5 31
S 12	21 1	17 10	2 17	18 29	1 28	15 25	1 32	7 37	0 47	18 36	0 44	16 14	2 2	8 42	0 32	10 46	1 50	23 39	13 23	23 18	23 12	14 24	16 57	5 30
M13	20 50	20 30	1 15	17 54	1 23	15 0	1 32	7 22	0 46	18 33	0 44	16 14	2 1	8 42	0 32	10 46	1 50	23 38	13 23	23 18	23 12	14 27	16 57	5 30
T 14	20 38	23 0	0 10	17 18	1 18	14 35	1 31	7 7	0 45	18 29	0 44	16 14	2 1	8 43	0 32	10 46	1 50	23 37	13 23	23 18	23 12	14 29	16 57	5 30
W15	20 27	24 27	0s56	16 42	1 12	14 9	1 30	6 52	0 45	18 26	0 44	16 14	2 1	8 43	0 32	10 46	1 50	23 36	13 23	23 18	23 11	14 32	16 57	5 30
T 16	20 15	24 43	2 1	16 5	1 6	13 43	1 29	6 37	0 44	18 22	0 44	16 14	2 1	8 43	0 32	10 46	1 50	23 35	13 23	23 18	23 11	14 34	16 57	5 29
F 17	20 2	23 41	3 2	15 28	0 59	13 17	1 28	6 22	0 43	18 19	0 44	16 14	2 0	8 44	0 32	10 47	1 50	23 35	13 23	23 17	23 11	14 37	16 57	5 29
S 18	19 49	21 22	3 54	14 50	0 52	12 50	1 27	6 7	0 43	18 15	0 44	16 14	2 0	8 44	0 32	10 47	1 50	23 34	13 22	23 17	23 11	14 39	16 57	5 29
S 19	19 36	17 52	4 34	14 12	0 45	12 23	1 25	5 51	0 42	18 12	0 44	16 15	2 0	8 45	0 32	10 47	1 50	23 33	13 22	23 17	23 11	14 42	16 57	5 29
M20	19 23	13 24	5 0	13 34	0 38	11 56	1 24	5 36	0 41	18 8	0 44	16 15	2 0	8 45	0 31	10 47	1 51	23 32	13 22	23 16	23 10	14 45	16 57	5 28
T 21	19 9	8 11	5 9	12 56	0 30	11 28	1 23	5 21	0 40	18 5	0 44	16 15	1 59	8 46	0 31	10 47	1 51	23 31	13 22	23 16	23 10	14 47	16 57	5 28
W22	18 55	2 31	5 0	12 17	0 22	11 0	1 21	5 5	0 40	18 1	0 44	16 15	1 59	8 46	0 31	10 47	1 51	23 31	13 22	23 16	23 10	14 50	16 57	5 28
T 23	18 41	3n21	4 33	11 39	0 14	10 32	1 20	4 50	0 39	17 57	0 44	16 16	1 59	8 47	0 31	10 47	1 51	23 30	13 22	23 15	23 10	14 52	16 57	5 27
F 24	18 26	9 5	3 50	11 0	0 5	10 3	1 18	4 34	0 38	17 54	0 44	16 16	1 59	8 48	0 31	10 47	1 51	23 29	13 22	23 15	23 9	14 55	16 57	5 27
S 25	18 11	14 22	2 52	10 22	0s 4	9 35	1 17	4 18	0 38	17 50	0 44	16 16	1 58	8 48	0 31	10 47	1 51	23 28	13 22	23 15	23 9	14 57	16 57	5 27
S 26	17 56	18 53	1 44	9 43	0 12	9 6	1 15	4 3	0 37	17 46	0 44	16 17	1 58	8 49	0 31	10 47	1 51	23 27	13 22	23 15	23 9	15 0	16 57	5 27
M27	17 40	22 18	0 30	9 5	0 22	8 36	1 13	3 47	0 36	17 43	0 44	16 17	1 58	8 49	0 31	10 47	1 51	23 26	13 21	23 15	23 9	15 2	16 58	5 26
T 28	17 25	24 19	0n47	8 27	0 31	8 7	1 11	3 31	0 36	17 39	0 45	16 18	1 58	8 50	0 31	10 47	1 51	23 26	13 21	23 15	23 8	15 5	16 58	5 26
W29	17 9	24 46	1 59	7 50	0 40	7 37	1 9	3 15	0 35	17 35	0 45	16 18	1 57	8 51	0 31	10 47	1 51	23 25	13 21	23 15	23 8	15 7	16 58	5 26
T 30	16 52	23 38	3 4	7 13	0 50	7 7	1 7	3 0	0 34	17 32	0 45	16 19	1 57	8 51	0 31	10 47	1 51	23 24	13 21	23 15	23 8	15 10	16 58	5 25
F 31	16n35	21n 6	3n57	6n36	0s59	6n37	1n 5	2n44	0n34	17n28	0n45	16s19	1n57	8s52	0n31	10n47	1s51	23n23	13n21	23n15	23n 8	15s12	16s58	5n25

Julian Day Number = 2166844.5, Delta T = 12m40s
Ecliptic obliquity = 23°32'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'14, Lahiri = 12°59'15 Julian Calendar 1 July 1220 == Greg. Calendar 8 July 1220

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1220
geocentric

AUGUST 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 58	15♌19'53	25♌21	12♍ 4	17♍ 1	25♍ 5	14♌ 2	21♏29	24♎ 2	2°R52	1♍34	20°R59	19♊29	19♏39	12°R 7	S 1
S 2	21 10 55	16°17'41	8♍34	13°13	18°13	25°43	14°15	21°30	24° 4	2♉52	1°36	20♊50	19°26	19°45	12♐ 6	S 2
M 3	21 14 51	17°15'31	21°29	14°20	19°25	26°22	14°28	21°31	24° 6	2°52	1°38	20°40	19°23	19°52	12° 6	M 3
T 4	21 18 48	18°13'22	4♎ 5	15°24	20°37	27° 0	14°41	21°33	24° 8	2°52	1°40	20°32	19°20	19°59	12° 5	T 4
W 5	21 22 45	19°11'14	16°24	16°26	21°49	27°39	14°54	21°34	24°10	2°51	1°42	20°25	19°16	20° 5	12° 5	W 5
T 6	21 26 41	20° 9'08	28°29	17°26	23° 1	28°18	15° 7	21°36	24°12	2°51	1°45	20°20	19°13	20°12	12° 5	T 6
F 7	21 30 38	21° 7'03	10♏24	18°23	24°14	28°56	15°20	21°38	24°14	2°51	1°47	20°18	19°10	20°19	12° 5	F 7
S 8	21 34 34	22° 4'59	22°14	19°17	25°26	29°35	15°34	21°40	24°16	2°51	1°49	20°D17	19° 7	20°25	12°D 5	S 8
S 9	21 38 31	23° 2'56	4♐ 4	20° 8	26°38	0♎14	15°47	21°42	24°19	2°50	1°51	20°18	19° 4	20°32	12° 5	S 9
M10	21 42 27	24° 0'55	15°59	20°56	27°50	0°53	16° 0	21°44	24°21	2°50	1°53	20°R18	19° 1	20°39	12° 5	M10
T 11	21 46 24	24°58'56	28° 5	21°40	29° 2	1°32	16°13	21°46	24°23	2°50	1°55	20°18	18°57	20°45	12° 5	T 11
W12	21 50 20	25°56'58	10♑27	22°21	0♎13	2°11	16°26	21°48	24°25	2°49	1°57	20°16	18°54	20°52	12° 5	W12
T 13	21 54 17	26°55'01	23° 6	22°58	1°25	2°50	16°39	21°51	24°28	2°49	1°59	20°12	18°51	20°59	12° 6	T 13
F 14	21 58 14	27°53'06	6♒ 7	23°31	2°37	3°29	16°52	21°53	24°30	2°48	2° 1	20° 5	18°48	21° 5	12° 6	F 14
S 15	22 2 10	28°51'12	19°30	23°59	3°49	4° 8	17° 5	21°56	24°33	2°48	2° 3	19°56	18°45	21°12	12° 7	S 15
S 16	22 6 7	29°49'21	3♓12	24°23	5° 1	4°48	17°18	21°58	24°35	2°47	2° 5	19°46	18°42	21°19	12° 7	S 16
M17	22 10 3	0♍47'30	17°11	24°42	6°12	5°27	17°31	22° 1	24°38	2°47	2° 8	19°35	18°38	21°25	12° 8	M17
T 18	22 14 0	1°45'42	1♈23	24°56	7°24	6° 7	17°44	22° 4	24°40	2°46	2°10	19°24	18°35	21°32	12° 9	T 18
W19	22 17 56	2°43'56	15°41	25° 4	8°36	6°46	17°56	22° 7	24°43	2°45	2°12	19°15	18°32	21°39	12°10	W19
T 20	22 21 53	3°42'11	0♉ 1	25°R 6	9°47	7°26	18° 9	22° 9	24°46	2°45	2°14	19° 9	18°29	21°45	12°11	T 20
F 21	22 25 49	4°40'29	14°19	25° 2	10°59	8° 5	18°22	22°13	24°48	2°44	2°16	19° 6	18°26	21°52	12°12	F 21
S 22	22 29 46	5°38'49	28°31	24°52	12°10	8°45	18°35	22°16	24°51	2°43	2°18	19° 4	18°22	21°59	12°13	S 22
S 23	22 33 42	6°37'11	12♊36	24°35	13°22	9°25	18°48	22°19	24°54	2°43	2°20	19° 4	18°19	22° 5	12°14	S 23
M24	22 37 39	7°35'36	26°33	24°12	14°33	10° 4	19° 0	22°22	24°57	2°42	2°22	19° 4	18°16	22°12	12°16	M24
T 25	22 41 36	8°34'02	10♋23	23°42	15°44	10°44	19°13	22°26	25° 0	2°41	2°24	19° 3	18°13	22°19	12°17	T 25
W26	22 45 32	9°32'31	24° 4	23° 5	16°56	11°24	19°26	22°29	25° 2	2°40	2°27	18°59	18°10	22°25	12°19	W26
T 27	22 49 29	10°31'02	7♌36	22°22	18° 7	12° 4	19°39	22°33	25° 5	2°39	2°29	18°53	18° 7	22°32	12°20	T 27
F 28	22 53 25	11°29'35	20°58	21°33	19°18	12°44	19°51	22°36	25° 8	2°38	2°31	18°43	18° 3	22°39	12°22	F 28
S 29	22 57 22	12°28'10	4♍ 8	20°39	20°29	13°24	20° 4	22°40	25°11	2°37	2°33	18°32	18° 0	22°45	12°24	S 29
S 30	23 1 18	13°26'47	17° 5	19°40	21°40	14° 4	20°16	22°44	25°14	2°36	2°35	18°18	17°57	22°52	12°25	S 30
M31	23 5 15	14♍25'26	29♍46	18♍39	22♎52	14♎45	20♌29	22♏48	25♎17	2♉35	2♍37	18♊ 5	17♊54	22♏59	12♐27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n18	17n27	4n36	6n 0	1s 9	6n 7	1n 3	2n28	0n33	17n24	0n45	16s20	1n57	8s53	0n31	10n47	1s51	23n22	13n21	23n14	23n 7	15s15	16s59	5n25
S 2	16 1	13 0	4 58	5 24	1 19	5 37	1 1	2 12	0 32	17 20	0 45	16 20	1 56	8 54	0 31	10 46	1 51	23 22	13 21	23 13	23 7	15 17	16 59	5 24
M 3	15 44	8 4	5 5	4 50	1 29	5 6	0 59	1 56	0 31	17 17	0 45	16 21	1 56	8 54	0 31	10 46	1 51	23 21	13 21	23 13	23 7	15 20	16 59	5 24
T 4	15 26	2 55	4 57	4 15	1 39	4 36	0 56	1 40	0 31	17 13	0 45	16 22	1 56	8 55	0 31	10 46	1 51	23 20	13 21	23 12	23 7	15 23	16 59	5 24
W 5	15 8	2s15	4 35	3 42	1 49	4 5	0 54	1 24	0 30	17 9	0 45	16 22	1 56	8 56	0 31	10 46	1 52	23 19	13 21	23 12	23 6	15 25	17 0	5 23
T 6	14 50	7 14	4 1	3 10	1 59	3 34	0 51	1 8	0 29	17 5	0 45	16 23	1 56	8 57	0 31	10 46	1 52	23 18	13 21	23 11	23 6	15 28	17 0	5 23
F 7	14 31	11 53	3 17	2 38	2 9	3 3	0 49	0 52	0 29	17 1	0 45	16 24	1 55	8 57	0 31	10 46	1 52	23 18	13 21	23 11	23 6	15 30	17 0	5 23
S 8	14 12	16 5	2 24	2 8	2 19	2 32	0 46	0 36	0 28	16 58	0 45	16 24	1 55	8 58	0 31	10 46	1 52	23 17	13 21	23 11	23 6	15 33	17 1	5 22
S 9	13 54	19 39	1 26	1 39	2 29	2 1	0 44	0 19	0 27	16 54	0 45	16 25	1 55	8 59	0 31	10 46	1 52	23 16	13 21	23 11	23 5	15 35	17 1	5 22
M10	13 34	22 25	0 23	1 11	2 39	1 29	0 41	0 3	0 27	16 50	0 46	16 26	1 55	9 0	0 31	10 45	1 52	23 15	13 21	23 11	23 5	15 38	17 1	5 21
T 11	13 15	24 13	0s41	0 45	2 48	0 58	0 38	0s13	0 26	16 46	0 46	16 27	1 54	9 1	0 31	10 45	1 52	23 15	13 21	23 11	23 5	15 40	17 2	5 21
W12	12 55	24 53	1 45	0 20	2 58	0 27	0 35	0 29	0 25	16 42	0 46	16 27	1 54	9 2	0 31	10 45	1 52	23 14	13 21	23 11	23 5	15 43	17 2	5 21
T 13	12 36	24 16	2 45	0s 3	3 7	0s 4	0 32	0 45	0 25	16 38	0 46	16 28	1 54	9 3	0 31	10 45	1 52	23 13	13 21	23 11	23 4	15 45	17 3	5 20
F 14	12 16	22 21	3 38	0 24	3 16	0 36	0 29	1 2	0 24	16 35	0 46	16 29	1 54	9 4	0 31	10 45	1 52	23 12	13 21	23 10	23 4	15 48	17 3	5 20
S 15	11 55	19 10	4 21	0 43	3 24	1 7	0 26	1 18	0 23	16 31	0 46	16 30	1 53	9 5	0 31	10 44	1 52	23 12	13 21	23 9	23 4	15 50	17 3	5 20
S 16	11 35	14 52	4 50	1 0	3 32	1 39	0 23	1 34	0 23	16 27	0 46	16 31	1 53	9 6	0 31	10 44	1 52	23 11	13 21	23 9	23 3	15 53	17 4	5 19
M17	11 14	9 42	5 2	1 15	3 40	2 10	0 20	1 50	0 22	16 23	0 46	16 32	1 53	9 6	0 31	10 44	1 52	23 10	13 21	23 8	23 3	15 55	17 4	5 19
T 18	10 54	3 58	4 55	1 27	3 47	2 41	0 17	2 7	0 21	16 19	0 46	16 33	1 53	9 7	0 31	10 44	1 52	23 9	13 21	23 7	23 3	15 58	17 5	5 19
W19	10 33	2n 2	4 31	1 36	3 53	3 13	0 14	2 23	0 21	16 15	0 46	16 34	1 52	9 8	0 31	10 43	1 52	23 9	13 21	23 6	23 3	16 0	17 5	5 18
T 20	10 12	7 57	3 49	1 42	3 59	3 44	0 11	2 39	0 20	16 11	0 46	16 35	1 52	9 9	0 30	10 43	1 52	23 8	13 21	23 6	23 2	16 2	17 6	5 18
F 21	9 50	13 27	2 53	1 45	4 4	4 15	0 7	2 56	0 19	16 8	0 47	16 36	1 52	9 10	0 30	10 43	1 52	23 7	13 21	23 5	23 2	16 5	17 6	5 18
S 22	9 29	18 11	1 47	1 44	4 7	4 46	0 4	3 12	0 19	16 4	0 47	16 37	1 52	9 12	0 30	10 42	1 53	23 6	13 22	23 5	23 2	16 7	17 7	5 17
S 23	9 7	21 50	0 34	1 40	4 10	5 17	0 1	3 28	0 18	16 0	0 47	16 38	1 52	9 13	0 30	10 42	1 53	23 6	13 22	23 5	23 2	16 10	17 7	5 17
M24	8 45	24 9	0n40	1 31	4 11	5 48	0s 3	3 44	0 17	15 56	0 47	16 39	1 51	9 14	0 30	10 42	1 53	23 5	13 22	23 5	23 1	16 12	17 8	5 16
T 25	8 24	24 58	1 50	1 19	4 11	6 19	0 6	4 1	0 17	15 52	0 47	16 40	1 51	9 15	0 30	10 41	1 53	23 4	13 22	23 5	23 1	16 15	17 8	5 16
W26	8 1	24 14	2 54	1 3	4 9	6 49	0 9	4 17	0 16	15 48	0 47	16 41	1 51	9 16	0 30	10 41	1 53	23 4	13 22	23 5	23 1	16 17	17 9	5 16
T 27	7 39	22 6	3 47	0 43	4 5	7 20	0 13	4 33	0 15	15 44	0 47	16 42	1 51	9 17	0 30	10 41	1 53	23 3	13 22	23 4	23 0	16 20	17 9	5 15
F 28	7 17	18 46	4 26	0 19	4 0	7 50	0 16	4 50	0 15	15 40	0 47	16 43	1 50	9 18	0 30	10 40	1 53	23 2	13 22	23 4	23 0	16 22	17 10	5 15
S 29	6 55	14 33	4 51	0n 9	3 53	8 21	0 20	5 6	0 14	15 36	0 47	16 44	1 50	9 19	0 30	10 40	1 53	23 2	13 22	23 3	23 0	16 25	17 11	5 15
S 30	6 32	9 43	5 0	0 41	3 43	8 51	0 24	5 22	0 13	15 32	0 48	16 46	1 50	9 20	0 30	10 40	1 53	23 1	13 22	23 1	23 0	16 27	17 11	5 14
M31	6n 9	4n35	4n54	1n15	3s32	9s21	0s27	5s38	0n13	15n29	0n48	16s47	1n50	9s21	0n30	10n39	1s53	23n 0	13n23	23n 0	22n59	16s30	17s12	5n14

Julian Day Number = 2166875.5, Delta T = 12m40s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'19, Lahiri = 12°59'19 Julian Calendar 1 Aug. 1220 == Greg. Calendar 8 Aug. 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

SEPTEMBER 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 9 11	15♍24'06	12♎14	17°R35	24♎ 3	15♎25	20♌41	22♏52	25♎20	2°R34	2♍39	17°R53	17♊51	23♏ 5	12♐30	T 1
W 2	23 13 8	16°22'49	24°27	16♍30	25°14	16° 5	20°54	22°56	25°23	2♉33	2°41	17♊43	17°48	23°12	12°32	W 2
T 3	23 17 5	17°21'33	6♏28	15°27	26°24	16°46	21° 6	23° 0	25°27	2°32	2°43	17°35	17°44	23°18	12°34	T 3
F 4	23 21 1	18°20'20	18°21	14°26	27°35	17°26	21°19	23° 4	25°30	2°31	2°45	17°30	17°41	23°25	12°36	F 4
S 5	23 24 58	19°19'08	0♐ 9	13°29	28°46	18° 7	21°31	23° 8	25°33	2°30	2°47	17°28	17°38	23°32	12°39	S 5
S 6	23 28 54	20°17'58	11°57	12°37	29°57	18°47	21°43	23°12	25°36	2°29	2°49	17°27	17°35	23°38	12°41	S 6
M 7	23 32 51	21°16'49	23°51	11°53	1♏ 8	19°28	21°55	23°17	25°39	2°28	2°51	17°27	17°32	23°45	12°44	M 7
T 8	23 36 47	22°15'43	5♑56	11°17	2°18	20° 9	22° 8	23°21	25°43	2°27	2°53	17°26	17°28	23°52	12°46	T 8
W 9	23 40 44	23°14'38	18°18	10°50	3°29	20°50	22°20	23°26	25°46	2°26	2°55	17°24	17°25	23°58	12°49	W 9
T 10	23 44 40	24°13'35	1♒ 0	10°33	4°39	21°31	22°32	23°31	25°49	2°24	2°57	17°20	17°22	24° 5	12°52	T 10
F 11	23 48 37	25°12'34	14° 8	10°D26	5°50	22°11	22°44	23°35	25°53	2°23	2°59	17°13	17°19	24°12	12°55	F 11
S 12	23 52 34	26°11'35	27°41	10°29	7° 0	22°52	22°56	23°40	25°56	2°22	3° 1	17° 4	17°16	24°18	12°58	S 12
S 13	23 56 30	27°10'38	11♓40	10°43	8°10	23°33	23° 8	23°45	25°59	2°20	3° 3	16°53	17°13	24°25	13° 1	S 13
M14	0 0 27	28° 9'42	26° 1	11° 6	9°20	24°15	23°20	23°50	26° 3	2°19	3° 5	16°41	17° 9	24°32	13° 4	M14
T 15	0 4 23	29° 8'49	10♈38	11°40	10°30	24°56	23°31	23°55	26° 6	2°18	3° 7	16°30	17° 6	24°38	13° 7	T 15
W16	0 8 20	0♎ 7'57	25°22	12°22	11°41	25°37	23°43	24° 0	26°10	2°16	3° 9	16°21	17° 3	24°45	13°10	W16
T 17	0 12 16	1° 7'08	10♉ 7	13°13	12°50	26°18	23°55	24° 5	26°13	2°15	3°11	16°14	17° 0	24°52	13°14	T 17
F 18	0 16 13	2° 6'22	24°45	14°12	14° 0	27° 0	24° 6	24°10	26°17	2°14	3°13	16°10	16°57	24°58	13°17	F 18
S 19	0 20 9	3° 5'37	9♊11	15°17	15°10	27°41	24°18	24°15	26°20	2°12	3°15	16° 9	16°53	25° 5	13°20	S 19
S 20	0 24 6	4° 4'56	23°23	16°29	16°20	28°23	24°29	24°20	26°24	2°11	3°17	16°D 9	16°50	25°12	13°24	S 20
M21	0 28 3	5° 4'16	7♋19	17°46	17°30	29° 4	24°41	24°26	26°27	2° 9	3°19	16°R 9	16°47	25°18	13°28	M21
T 22	0 31 59	6° 3'39	20°59	19° 8	18°39	29°46	24°52	24°31	26°31	2° 8	3°20	16° 8	16°44	25°25	13°31	T 22
W23	0 35 56	7° 3'04	4♌25	20°34	19°49	0♏27	25° 3	24°37	26°34	2° 6	3°22	16° 5	16°41	25°32	13°35	W23
T 24	0 39 52	8° 2'32	17°38	22° 4	20°58	1° 9	25°15	24°42	26°38	2° 5	3°24	15°59	16°38	25°38	13°39	T 24
F 25	0 43 49	9° 2'02	0♍38	23°36	22° 7	1°51	25°26	24°48	26°42	2° 3	3°26	15°51	16°34	25°45	13°43	F 25
S 26	0 47 45	10° 1'34	13°27	25°11	23°17	2°33	25°37	24°53	26°45	2° 2	3°28	15°41	16°31	25°52	13°47	S 26
S 27	0 51 42	11° 1'08	26° 4	26°48	24°26	3°15	25°48	24°59	26°49	2° 0	3°29	15°29	16°28	25°58	13°51	S 27
M28	0 55 38	12° 0'44	8♎30	28°27	25°35	3°57	25°59	25° 5	26°53	1°59	3°31	15°17	16°25	26° 5	13°55	M28
T 29	0 59 35	13° 0'22	20°45	0♎ 6	26°44	4°39	26° 9	25°11	26°56	1°57	3°33	15° 6	16°22	26°12	13°59	T 29
W30	1 3 31	14♎ 0'03	2♏49	1♎47	27♏53	5♏21	26♌20	25♏16	27♎ 0	1♉56	3♍35	14♊56	16♊19	26♏18	14♐ 4	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n47	0s39	4n34	1n52	3s19	9s51	0s31	5s55	0n12	15n25	0n48	16s48	1n50	9s22	0n30	10n39	1s53	23n 0	13n23	22n59	22n59	16s32	17s12	5n14
W 2	5 24	5 46	4 1	2 31	3 4	10 20	0 34	6 11	0 11	15 21	0 48	16 49	1 49	9 24	0 30	10 39	1 53	22 59	13 23	22 58	22 59	16 34	17 13	5 13
T 3	5 1	10 36	3 19	3 11	2 48	10 49	0 38	6 27	0 11	15 17	0 48	16 50	1 49	9 25	0 30	10 38	1 53	22 58	13 23	22 58	22 58	16 37	17 14	5 13
F 4	4 38	15 0	2 28	3 51	2 30	11 19	0 42	6 43	0 10	15 13	0 48	16 52	1 49	9 26	0 30	10 38	1 53	22 58	13 23	22 57	22 58	16 39	17 14	5 13
S 5	4 15	18 48	1 30	4 30	2 11	11 47	0 45	6 59	0 9	15 9	0 48	16 53	1 49	9 27	0 30	10 37	1 53	22 57	13 23	22 57	22 58	16 42	17 15	5 12
S 6	3 52	21 50	0 29	5 8	1 52	12 16	0 49	7 16	0 9	15 5	0 48	16 54	1 49	9 28	0 30	10 37	1 53	22 57	13 24	22 57	22 57	16 44	17 16	5 12
M 7	3 28	23 58	0s34	5 43	1 32	12 44	0 53	7 32	0 8	15 2	0 49	16 55	1 48	9 30	0 30	10 36	1 53	22 56	13 24	22 57	22 57	16 47	17 16	5 11
T 8	3 5	25 1	1 36	6 16	1 11	13 12	0 57	7 48	0 7	14 58	0 49	16 57	1 48	9 31	0 30	10 36	1 53	22 55	13 24	22 57	22 57	16 49	17 17	5 11
W 9	2 42	24 51	2 36	6 44	0 52	13 40	1 0	8 4	0 7	14 54	0 49	16 58	1 48	9 32	0 30	10 35	1 53	22 55	13 24	22 57	22 57	16 51	17 18	5 11
T 10	2 18	23 25	3 29	7 9	0 32	14 8	1 4	8 20	0 6	14 50	0 49	16 59	1 48	9 33	0 30	10 35	1 53	22 54	13 24	22 56	22 56	16 54	17 18	5 10
F 11	1 55	20 41	4 13	7 29	0 13	14 35	1 8	8 36	0 5	14 46	0 49	17 1	1 48	9 34	0 30	10 35	1 53	22 54	13 25	22 55	22 56	16 56	17 19	5 10
S 12	1 31	16 46	4 44	7 44	0n 4	15 2	1 11	8 52	0 5	14 42	0 49	17 2	1 47	9 36	0 30	10 34	1 54	22 53	13 25	22 55	22 56	16 59	17 20	5 10
S 13	1 8	11 50	5 0	7 54	0 21	15 28	1 15	9 7	0 4	14 39	0 49	17 4	1 47	9 37	0 30	10 34	1 54	22 53	13 25	22 53	22 55	17 1	17 20	5 9
M14	0 44	6 8	4 57	7 59	0 36	15 55	1 19	9 23	0 3	14 35	0 50	17 5	1 47	9 38	0 30	10 33	1 54	22 52	13 25	22 52	22 55	17 3	17 21	5 9
T 15	0 20	0n 0	4 35	8 0	0 50	16 20	1 22	9 39	0 3	14 31	0 50	17 6	1 47	9 39	0 30	10 33	1 54	22 52	13 25	22 51	22 55	17 6	17 22	5 9
W16	0s 3	6 13	3 55	7 55	1 3	16 46	1 26	9 55	0 2	14 27	0 50	17 8	1 47	9 41	0 30	10 32	1 54	22 51	13 26	22 50	22 54	17 8	17 22	5 9
T 17	0 27	12 5	2 59	7 46	1 14	17 11	1 30	10 10	0 1	14 24	0 50	17 9	1 46	9 42	0 30	10 32	1 54	22 51	13 26	22 50	22 54	17 11	17 23	5 8
F 18	0 50	17 15	1 51	7 32	1 24	17 36	1 33	10 26	0 1	14 20	0 50	17 11	1 46	9 43	0 30	10 31	1 54	22 50	13 26	22 49	22 54	17 13	17 24	5 8
S 19	1 14	21 19	0 37	7 15	1 33	18 0	1 37	10 42	0 0	14 16	0 50	17 12	1 46	9 45	0 30	10 31	1 54	22 50	13 26	22 49	22 54	17 15	17 25	5 8
S 20	1 38	24 1	0n38	6 53	1 40	18 24	1 41	10 57	0s 1	14 12	0 50	17 14	1 46	9 46	0 30	10 30	1 54	22 49	13 27	22 49	22 53	17 18	17 25	5 7
M21	2 1	25 10	1 50	6 29	1 46	18 47	1 44	11 12	0 1	14 9	0 51	17 15	1 46	9 47	0 30	10 30	1 54	22 49	13 27	22 49	22 53	17 20	17 26	5 7
T 22	2 25	24 46	2 54	6 1	1 51	19 10	1 48	11 28	0 2	14 5	0 51	17 16	1 46	9 49	0 30	10 29	1 54	22 48	13 27	22 49	22 53	17 23	17 27	5 7
W23	2 49	22 54	3 47	5 30	1 54	19 33	1 51	11 43	0 2	14 1	0 51	17 18	1 45	9 50	0 30	10 28	1 54	22 48	13 28	22 49	22 52	17 25	17 28	5 6
T 24	3 12	19 51	4 27	4 57	1 57	19 55	1 55	11 58	0 3	13 58	0 51	17 19	1 45	9 51	0 30	10 28	1 54	22 48	13 28	22 48	22 52	17 27	17 28	5 6
F 25	3 36	15 50	4 52	4 22	1 58	20 17	1 58	12 13	0 4	13 54	0 51	17 21	1 45	9 52	0 30	10 27	1 54	22 47	13 28	22 47	22 52	17 30	17 29	5 6
S 26	3 59	11 11	5 3	3 44	1 59	20 38	2 2	12 29	0 4	13 51	0 51	17 22	1 45	9 54	0 30	10 27	1 54	22 47	13 28	22 46	22 51	17 32	17 30	5 6
S 27	4 23	6 7	4 58	3 6	1 59	20 58	2 5	12 44	0 5	13 47	0 52	17 24	1 45	9 55	0 30	10 26	1 54	22 46	13 29	22 45	22 51	17 34	17 31	5 5
M28	4 46	0 53	4 39	2 25	1 58	21 19	2 8	12 58	0 6	13 43	0 52	17 26	1 45	9 56	0 30	10 26	1 54	22 46	13 29	22 43	22 51	17 37	17 31	5 5
T 29	5 9	4s19	4 7	1 44	1 56	21 38	2 11	13 13	0 6	13 40	0 52	17 27	1 44	9 58	0 30	10 25	1 54	22 46	13 29	22 42	22 50	17 39	17 32	5 5
W30	5s33	9s18	3n24	1n 2	1n54	21s57	2s15	13s28	0s 7	13n36	0n52	17s29	1n44	9s59	0n30	10n25	1s54	22n45	13n30	22n41	22n50	17s42	17s33	5n 4

Julian Day Number = 2166906.5, Delta T = 12m40s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'23, Lahiri = 12°59'23 Julian Calendar 1 Sept. 1220 == Greg. Calendar 8 Sept. 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

OCTOBER 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 7 28	14♎59'45	14♏45	3♎28	29♏ 1	6♏ 3	26♌31	25♏22	27♎ 4	1°R54	3♍36	14°R49	16♊15	26♏25	14♐ 8	T 1
F 2	1 11 25	15°59'29	26°34	5° 9	0♐10	6°45	26°41	25°28	27° 7	1♉52	3°38	14♊45	16°12	26°31	14°13	F 2
S 3	1 15 21	16°59'16	8♐21	6°51	1°18	7°27	26°52	25°34	27°11	1°51	3°40	14°43	16° 9	26°38	14°17	S 3
S 4	1 19 18	17°59'04	20° 7	8°33	2°27	8°10	27° 2	25°40	27°15	1°49	3°41	14°D43	16° 6	26°45	14°22	S 4
M 5	1 23 14	18°58'53	2♑ 0	10°15	3°35	8°52	27°12	25°46	27°18	1°48	3°43	14°44	16° 3	26°51	14°26	M 5
T 6	1 27 11	19°58'45	14° 2	11°57	4°43	9°35	27°23	25°53	27°22	1°46	3°44	14°45	15°59	26°58	14°31	T 6
W 7	1 31 7	20°58'38	26°20	13°38	5°51	10°17	27°33	25°59	27°26	1°44	3°46	14°R45	15°56	27° 5	14°36	W 7
T 8	1 35 4	21°58'33	9♒ 0	15°20	6°59	11° 0	27°43	26° 5	27°30	1°43	3°48	14°43	15°53	27°11	14°40	T 8
F 9	1 39 0	22°58'30	22° 5	17° 1	8° 7	11°42	27°53	26°11	27°33	1°41	3°49	14°39	15°50	27°18	14°45	F 9
S 10	1 42 57	23°58'28	5♓37	18°41	9°14	12°25	28° 2	26°17	27°37	1°39	3°51	14°34	15°47	27°25	14°50	S 10
S 11	1 46 54	24°58'28	19°39	20°22	10°22	13° 8	28°12	26°24	27°41	1°38	3°52	14°26	15°44	27°31	14°55	S 11
M12	1 50 50	25°58'29	4♈ 8	22° 1	11°29	13°51	28°22	26°30	27°45	1°36	3°54	14°19	15°40	27°38	15° 0	M12
T 13	1 54 47	26°58'33	18°58	23°41	12°36	14°34	28°31	26°37	27°48	1°34	3°55	14°11	15°37	27°45	15° 5	T 13
W14	1 58 43	27°58'38	4♉ 1	25°20	13°43	15°17	28°41	26°43	27°52	1°32	3°56	14° 5	15°34	27°51	15°10	W14
T 15	2 2 40	28°58'45	19° 7	26°58	14°50	16° 0	28°50	26°50	27°56	1°31	3°58	14° 0	15°31	27°58	15°15	T 15
F 16	2 6 36	29°58'54	4♊ 8	28°36	15°57	16°43	28°59	26°56	28° 0	1°29	3°59	13°58	15°28	28° 5	15°21	F 16
S 17	2 10 33	0♏59'05	18°56	0♏14	17° 3	17°26	29° 8	27° 3	28° 3	1°27	4° 0	13°D58	15°25	28°11	15°26	S 17
S 18	2 14 29	1°59'19	3♋24	1°51	18° 9	18° 9	29°17	27° 9	28° 7	1°26	4° 2	13°59	15°21	28°18	15°31	S 18
M19	2 18 26	2°59'34	17°31	3°28	19°15	18°52	29°26	27°16	28°11	1°24	4° 3	14° 0	15°18	28°25	15°37	M19
T 20	2 22 23	3°59'52	1♌15	5° 5	20°21	19°35	29°35	27°23	28°15	1°22	4° 4	14°R 1	15°15	28°31	15°42	T 20
W21	2 26 19	5° 0'11	14°38	6°41	21°27	20°19	29°43	27°29	28°18	1°21	4° 6	14° 0	15°12	28°38	15°47	W21
T 22	2 30 16	6° 0'33	27°41	8°17	22°32	21° 2	29°52	27°36	28°22	1°19	4° 7	13°58	15° 9	28°45	15°53	T 22
F 23	2 34 12	7° 0'56	10♍29	9°52	23°37	21°46	0♍ 0	27°43	28°26	1°17	4° 8	13°54	15° 5	28°51	15°58	F 23
S 24	2 38 9	8° 1'22	23° 2	11°27	24°42	22°29	0° 8	27°50	28°30	1°16	4° 9	13°49	15° 2	28°58	16° 4	S 24
S 25	2 42 5	9° 1'49	5♎23	13° 2	25°47	23°13	0°16	27°56	28°33	1°14	4°10	13°43	14°59	29° 4	16°10	S 25
M26	2 46 2	10° 2'18	17°33	14°36	26°52	23°56	0°24	28° 3	28°37	1°12	4°11	13°36	14°56	29°11	16°15	M26
T 27	2 49 58	11° 2'49	29°36	16°11	27°56	24°40	0°32	28°10	28°41	1°11	4°12	13°30	14°53	29°18	16°21	T 27
W28	2 53 55	12° 3'21	11♏31	17°45	29° 0	25°24	0°40	28°17	28°44	1° 9	4°13	13°25	14°50	29°24	16°27	W28
T 29	2 57 52	13° 3'55	23°22	19°18	0♑ 4	26° 8	0°47	28°24	28°48	1° 7	4°14	13°22	14°46	29°31	16°33	T 29
F 30	3 1 48	14° 4'31	5♐ 9	20°52	1° 8	26°52	0°55	28°31	28°52	1° 6	4°15	13°20	14°43	29°38	16°39	F 30
S 31	3 5 45	15♏ 5'08	16♐56	22♏25	2♑11	27♏36	1♍ 2	28♏38	28♎55	1♉ 4	4♍16	13°D20	14♊40	29♏44	16♐44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s56	13s53	2n33	0n19	1n51	22s16	2s18	13s43	0s 8	13n33	0n52	17s30	1n44	10s 0	0n30	10n24	1s54	22n45	13n30	22n40	22n50	17s44	17s34	5n 4
F 2	6 19	17 55	1 36	0s24	1 48	22 34	2 21	13 57	0 8	13 29	0 52	17 32	1 44	10 2	0 30	10 23	1 54	22 45	13 30	22 40	22 49	17 46	17 34	5 4
S 3	6 42	21 14	0 34	1 8	1 44	22 51	2 24	14 12	0 9	13 26	0 53	17 33	1 44	10 3	0 30	10 23	1 54	22 44	13 31	22 40	22 49	17 49	17 35	5 4
S 4	7 5	23 39	0s29	1 52	1 40	23 8	2 27	14 26	0 9	13 23	0 53	17 35	1 44	10 5	0 30	10 22	1 54	22 44	13 31	22 40	22 49	17 51	17 36	5 3
M 5	7 28	25 3	1 32	2 37	1 36	23 25	2 30	14 40	0 10	13 19	0 53	17 36	1 43	10 6	0 30	10 22	1 54	22 44	13 31	22 40	22 48	17 53	17 37	5 3
T 6	7 51	25 18	2 31	3 21	1 31	23 40	2 33	14 55	0 11	13 16	0 53	17 38	1 43	10 7	0 30	10 21	1 54	22 43	13 32	22 40	22 48	17 56	17 37	5 3
W 7	8 13	24 19	3 25	4 6	1 25	23 56	2 36	15 9	0 11	13 13	0 53	17 40	1 43	10 9	0 30	10 21	1 54	22 43	13 32	22 40	22 48	17 58	17 38	5 3
T 8	8 36	22 6	4 10	4 50	1 20	24 10	2 38	15 23	0 12	13 9	0 53	17 41	1 43	10 10	0 30	10 20	1 54	22 43	13 33	22 40	22 47	18 0	17 39	5 2
F 9	8 58	18 41	4 44	5 34	1 14	24 24	2 41	15 37	0 13	13 6	0 54	17 43	1 43	10 11	0 30	10 19	1 54	22 43	13 33	22 39	22 47	18 3	17 40	5 2
S 10	9 20	14 11	5 4	6 18	1 8	24 37	2 44	15 50	0 13	13 3	0 54	17 44	1 43	10 13	0 30	10 19	1 54	22 42	13 33	22 39	22 47	18 5	17 40	5 2
S 11	9 43	8 48	5 6	7 1	1 2	24 50	2 46	16 4	0 14	13 0	0 54	17 46	1 43	10 14	0 30	10 18	1 54	22 42	13 34	22 38	22 46	18 7	17 41	5 2
M12	10 4	2 47	4 50	7 45	0 56	25 2	2 48	16 17	0 14	12 56	0 54	17 48	1 43	10 15	0 30	10 18	1 54	22 42	13 34	22 37	22 46	18 10	17 42	5 2
T 13	10 26	3n33	4 13	8 27	0 50	25 14	2 51	16 31	0 15	12 53	0 54	17 49	1 42	10 17	0 30	10 17	1 54	22 42	13 34	22 36	22 46	18 12	17 43	5 1
W14	10 48	9 47	3 19	9 10	0 44	25 24	2 53	16 44	0 16	12 50	0 55	17 51	1 42	10 18	0 30	10 16	1 54	22 42	13 35	22 35	22 45	18 14	17 43	5 1
T 15	11 9	15 29	2 10	9 52	0 37	25 34	2 55	16 57	0 16	12 47	0 55	17 52	1 42	10 19	0 30	10 16	1 54	22 42	13 35	22 35	22 45	18 17	17 44	5 1
F 16	11 31	20 12	0 53	10 33	0 30	25 44	2 57	17 10	0 17	12 44	0 55	17 54	1 42	10 21	0 30	10 15	1 54	22 41	13 36	22 34	22 45	18 19	17 45	5 1
S 17	11 52	23 32	0n27	11 14	0 24	25 53	2 59	17 23	0 17	12 41	0 55	17 56	1 42	10 22	0 29	10 15	1 54	22 41	13 36	22 34	22 44	18 21	17 46	5 1
S 18	12 13	25 13	1 44	11 54	0 17	26 1	3 1	17 36	0 18	12 38	0 55	17 57	1 42	10 23	0 29	10 14	1 54	22 41	13 36	22 34	22 44	18 23	17 46	5 0
M19	12 34	25 14	2 52	12 34	0 10	26 8	3 3	17 48	0 19	12 35	0 56	17 59	1 42	10 25	0 29	10 14	1 54	22 41	13 37	22 35	22 44	18 26	17 47	5 0
T 20	12 54	23 41	3 49	13 13	0 4	26 15	3 4	18 1	0 19	12 32	0 56	18 1	1 42	10 26	0 29	10 13	1 54	22 41	13 37	22 35	22 43	18 28	17 48	5 0
W21	13 15	20 50	4 31	13 51	0s 3	26 21	3 6	18 13	0 20	12 30	0 56	18 2	1 41	10 28	0 29	10 12	1 54	22 41	13 38	22 35	22 43	18 30	17 49	5 0
T 22	13 35	17 0	4 59	14 29	0 10	26 27	3 7	18 25	0 21	12 27	0 56	18 4	1 41	10 29	0 29	10 12	1 54	22 41	13 38	22 34	22 43	18 33	17 49	5 0
F 23	13 55	12 27	5 11	15 5	0 16	26 31	3 8	18 37	0 21	12 24	0 57	18 5	1 41	10 30	0 29	10 11	1 54	22 41	13 39	22 34	22 42	18 35	17 50	5 0
S 24	14 15	7 29	5 7	15 42	0 23	26 36	3 10	18 49	0 22	12 21	0 57	18 7	1 41	10 32	0 29	10 11	1 54	22 41	13 39	22 33	22 42	18 37	17 51	4 59
S 25	14 34	2 17	4 49	16 17	0 29	26 39	3 11	19 1	0 22	12 19	0 57	18 9	1 41	10 33	0 29	10 10	1 54	22 41	13 39	22 33	22 41	18 39	17 51	4 59
M26	14 53	2s56	4 19	16 51	0 36	26 42	3 12	19 12	0 23	12 16	0 57	18 10	1 41	10 34	0 29	10 9	1 54	22 41	13 40	22 32	22 41	18 42	17 52	4 59
T 27	15 12	8 0	3 37	17 25	0 42	26 44	3 12	19 24	0 23	12 13	0 57	18 12	1 41	10 35	0 29	10 9	1 54	22 41	13 40	22 31	22 41	18 44	17 53	4 59
W28	15 31	12 44	2 46	17 58	0 48	26 45	3 13	19 35	0 24	12 11	0 58	18 13	1 41	10 37	0 29	10 8	1 54	22 41	13 41	22 30	22 40	18 46	17 54	4 59
T 29	15 50	16 58	1 47	18 30	0 55	26 46	3 14	19 46	0 25	12 8	0 58	18 15	1 41	10 38	0 29	10 8	1 54	22 41	13 41	22 30	22 40	18 48	17 54	4 59
F 30	16 8	20 31	0 45	19 1	1 1	26 46	3 14	19 57	0 25	12 6	0 58	18 17	1 41	10 39	0 29	10 7	1 54	22 41	13 42	22 30	22 40	18 51	17 55	4 59
S 31	16s26	23s13	0s20	19s32	1s 7	26s45	3s14	20s 8	0s26	12n 4	0n58	18s18	1n41	10s41	0n29	10n 7	1s54	22n41	13n42	22n30	22n39	18s53	17s56	4n58

Julian Day Number = 2166936.5, Delta T = 12m40s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'27, Lahiri = 12°59'27 Julian Calendar 1 Oct. 1220 == Greg. Calendar 8 Oct. 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

NOVEMBER 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 9 41	16♏ 5'46	28♐44	23♏58	3♑14	28♏20	1♍ 9	28♏45	28♎59	1°R 2	4♍17	13♊21	14♊37	29♏51	16♐50	S 1
M 2	3 13 38	17° 6'26	10♑38	25°31	4°16	29° 4	1°16	28°52	29° 3	1♉ 1	4°18	13°22	14°34	29°58	16°56	M 2
T 3	3 17 34	18° 7'07	22°41	27° 3	5°19	29°48	1°23	28°58	29° 6	0°59	4°19	13°24	14°31	0♐ 4	17° 2	T 3
W 4	3 21 31	19° 7'49	4♒58	28°36	6°21	0♐32	1°30	29° 5	29°10	0°58	4°20	13°26	14°27	0°11	17° 8	W 4
T 5	3 25 27	20° 8'33	17°33	0♐ 8	7°22	1°16	1°37	29°12	29°13	0°56	4°21	13°R26	14°24	0°18	17°14	T 5
F 6	3 29 24	21° 9'17	0♓31	1°40	8°24	2° 0	1°43	29°20	29°17	0°54	4°21	13°26	14°21	0°24	17°21	F 6
S 7	3 33 21	22°10'02	13°56	3°12	9°25	2°45	1°49	29°27	29°21	0°53	4°22	13°25	14°18	0°31	17°27	S 7
S 8	3 37 17	23°10'49	27°48	4°44	10°25	3°29	1°55	29°34	29°24	0°51	4°23	13°23	14°15	0°38	17°33	S 8
M 9	3 41 14	24°11'36	12♈ 8	6°15	11°25	4°14	2° 1	29°41	29°28	0°50	4°23	13°20	14°11	0°44	17°39	M 9
T 10	3 45 10	25°12'24	26°53	7°47	12°25	4°58	2° 7	29°48	29°31	0°48	4°24	13°17	14° 8	0°51	17°45	T 10
W11	3 49 7	26°13'14	11♉57	9°18	13°24	5°43	2°13	29°55	29°35	0°47	4°25	13°15	14° 5	0°58	17°51	W11
T 12	3 53 3	27°14'05	27°11	10°48	14°23	6°27	2°18	0♐ 2	29°38	0°45	4°25	13°14	14° 2	1° 4	17°58	T 12
F 13	3 57 0	28°14'57	12♊26	12°19	15°21	7°12	2°24	0° 9	29°41	0°44	4°26	13°D14	13°59	1°11	18° 4	F 13
S 14	4 0 56	29°15'50	27°31	13°49	16°19	7°57	2°29	0°16	29°45	0°42	4°26	13°14	13°56	1°17	18°10	S 14
S 15	4 4 53	0♐16'44	12♋18	15°19	17°16	8°41	2°34	0°23	29°48	0°41	4°27	13°15	13°52	1°24	18°16	S 15
M16	4 8 50	1°17'40	26°41	16°49	18°13	9°26	2°39	0°30	29°52	0°40	4°27	13°16	13°49	1°31	18°23	M16
T 17	4 12 46	2°18'37	10♌38	18°18	19°10	10°11	2°44	0°37	29°55	0°38	4°28	13°17	13°46	1°37	18°29	T 17
W18	4 16 43	3°19'35	24° 9	19°46	20° 5	10°56	2°48	0°44	29°58	0°37	4°28	13°17	13°43	1°44	18°35	W18
T 19	4 20 39	4°20'34	7♍15	21°14	21° 0	11°41	2°53	0°51	0♏ 1	0°35	4°29	13°R17	13°40	1°51	18°42	T 19
F 20	4 24 36	5°21'35	19°59	22°41	21°55	12°26	2°57	0°58	0° 5	0°34	4°29	13°17	13°37	1°57	18°48	F 20
S 21	4 28 32	6°22'36	2♎25	24° 7	22°49	13°11	3° 1	1° 5	0° 8	0°33	4°29	13°17	13°33	2° 4	18°55	S 21
S 22	4 32 29	7°23'39	14°37	25°32	23°42	13°56	3° 5	1°12	0°11	0°31	4°29	13°16	13°30	2°11	19° 1	S 22
M23	4 36 25	8°24'43	26°38	26°56	24°35	14°41	3° 8	1°19	0°14	0°30	4°30	13°15	13°27	2°17	19° 8	M23
T 24	4 40 22	9°25'48	8♏31	28°18	25°26	15°26	3°12	1°26	0°17	0°29	4°30	13°14	13°24	2°24	19°14	T 24
W25	4 44 19	10°26'54	20°21	29°38	26°18	16°12	3°15	1°33	0°21	0°28	4°30	13°14	13°21	2°31	19°20	W25
T 26	4 48 15	11°28'00	2♐ 8	0♑57	27° 8	16°57	3°18	1°40	0°24	0°27	4°30	13°14	13°17	2°37	19°27	T 26
F 27	4 52 12	12°29'07	13°56	2°12	27°57	17°42	3°21	1°47	0°27	0°25	4°30	13°D14	13°14	2°44	19°33	F 27
S 28	4 56 8	13°30'15	25°46	3°25	28°46	18°28	3°24	1°54	0°30	0°24	4°30	13°R14	13°11	2°51	19°40	S 28
S 29	5 0 5	14°31'24	7♑41	4°35	29°34	19°13	3°26	2° 1	0°33	0°23	4°R30	13°14	13° 8	2°57	19°46	S 29
M30	5 4 1	15♐32'33	19♑42	5♑41	0♒21	19♐59	3♍29	2♐ 8	0♏36	0♉22	4♍30	13♊13	13♊ 5	3♐ 4	19♐53	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s43	24s56	1s24	20s 1	1s13	26s44	3s14	20s18	0s26	12n 1	0n59	18s20	1n40	10s42	0n29	10n 6	1s54	22n41	13n43	22n30	22n39	18s55	17s56	4n58
M 2	17 1	25 31	2 25	20 29	1 18	26 42	3 14	20 28	0 27	11 59	0 59	18 21	1 40	10 43	0 29	10 6	1 54	22 41	13 43	22 30	22 39	18 57	17 57	4 58
T 3	17 18	24 55	3 20	20 57	1 24	26 40	3 14	20 39	0 28	11 57	0 59	18 23	1 40	10 45	0 29	10 5	1 54	22 41	13 44	22 30	22 38	19 0	17 58	4 58
W 4	17 35	23 6	4 8	21 23	1 29	26 37	3 14	20 48	0 28	11 55	0 59	18 25	1 40	10 46	0 29	10 5	1 54	22 41	13 44	22 31	22 38	19 2	17 58	4 58
T 5	17 51	20 9	4 44	21 48	1 34	26 33	3 13	20 58	0 29	11 52	0 59	18 26	1 40	10 47	0 29	10 4	1 54	22 41	13 45	22 31	22 37	19 4	17 59	4 58
F 6	18 7	16 8	5 8	22 12	1 39	26 28	3 12	21 8	0 29	11 50	1 0	18 28	1 40	10 48	0 29	10 3	1 54	22 42	13 45	22 31	22 37	19 6	18 0	4 58
S 7	18 23	11 12	5 16	22 35	1 44	26 23	3 11	21 17	0 30	11 48	1 0	18 29	1 40	10 50	0 29	10 3	1 54	22 42	13 45	22 30	22 37	19 9	18 0	4 58
S 8	18 39	5 33	5 6	22 57	1 49	26 18	3 10	21 26	0 30	11 46	1 0	18 31	1 40	10 51	0 29	10 2	1 54	22 42	13 46	22 30	22 36	19 11	18 1	4 58
M 9	18 54	0n34	4 37	23 18	1 53	26 11	3 9	21 35	0 31	11 44	1 0	18 32	1 40	10 52	0 29	10 2	1 54	22 42	13 46	22 30	22 36	19 13	18 1	4 58
T 10	19 9	6 51	3 49	23 38	1 57	26 4	3 8	21 44	0 32	11 42	1 1	18 34	1 40	10 53	0 29	10 1	1 54	22 42	13 47	22 29	22 36	19 15	18 2	4 58
W11	19 23	12 52	2 45	23 56	2 1	25 57	3 6	21 53	0 32	11 41	1 1	18 36	1 40	10 55	0 29	10 1	1 54	22 43	13 47	22 29	22 35	19 17	18 3	4 58
T 12	19 37	18 11	1 28	24 13	2 4	25 49	3 4	22 1	0 33	11 39	1 1	18 37	1 40	10 56	0 29	10 0	1 54	22 43	13 48	22 29	22 35	19 20	18 3	4 58
F 13	19 51	22 19	0 4	24 29	2 8	25 40	3 2	22 9	0 33	11 37	1 1	18 39	1 40	10 57	0 29	10 0	1 54	22 43	13 48	22 29	22 35	19 22	18 4	4 58
S 14	20 5	24 49	1n18	24 43	2 11	25 31	3 0	22 17	0 34	11 36	1 2	18 40	1 40	10 58	0 30	9 59	1 54	22 43	13 49	22 29	22 34	19 24	18 4	4 58
S 15	20 18	25 32	2 34	24 56	2 13	25 22	2 58	22 25	0 34	11 34	1 2	18 42	1 40	10 59	0 30	9 59	1 54	22 44	13 49	22 29	22 34	19 26	18 5	4 58
M16	20 30	24 29	3 39	25 8	2 15	25 11	2 55	22 32	0 35	11 32	1 2	18 43	1 39	11 1	0 30	9 59	1 54	22 44	13 50	22 29	22 33	19 28	18 5	4 57
T 17	20 43	21 56	4 28	25 18	2 17	25 1	2 53	22 39	0 35	11 31	1 3	18 45	1 39	11 2	0 30	9 58	1 54	22 44	13 50	22 29	22 33	19 31	18 6	4 57
W18	20 55	18 14	5 0	25 27	2 19	24 50	2 50	22 46	0 36	11 30	1 3	18 46	1 39	11 3	0 30	9 58	1 54	22 44	13 51	22 29	22 33	19 33	18 7	4 57
T 19	21 6	13 46	5 16	25 34	2 19	24 38	2 47	22 53	0 36	11 28	1 3	18 48	1 39	11 4	0 30	9 57	1 54	22 45	13 51	22 29	22 32	19 35	18 7	4 57
F 20	21 17	8 49	5 15	25 40	2 20	24 26	2 43	23 0	0 37	11 27	1 3	18 49	1 39	11 5	0 30	9 57	1 54	22 45	13 52	22 29	22 32	19 37	18 8	4 57
S 21	21 28	3 37	5 0	25 44	2 20	24 13	2 40	23 6	0 38	11 26	1 4	18 51	1 39	11 6	0 30	9 56	1 54	22 45	13 52	22 29	22 31	19 39	18 8	4 58
S 22	21 38	1s37	4 31	25 47	2 19	24 0	2 36	23 12	0 38	11 25	1 4	18 52	1 39	11 7	0 30	9 56	1 53	22 46	13 53	22 29	22 31	19 42	18 9	4 58
M23	21 48	6 43	3 51	25 48	2 18	23 47	2 32	23 18	0 39	11 24	1 4	18 54	1 39	11 9	0 30	9 56	1 53	22 46	13 53	22 29	22 31	19 44	18 9	4 58
T 24	21 58	11 33	3 1	25 48	2 16	23 33	2 27	23 23	0 39	11 23	1 4	18 55	1 39	11 10	0 30	9 55	1 53	22 47	13 54	22 29	22 30	19 46	18 9	4 58
W25	22 7	15 55	2 4	25 46	2 13	23 19	2 23	23 29	0 40	11 22	1 5	18 57	1 39	11 11	0 30	9 55	1 53	22 47	13 54	22 29	22 30	19 48	18 10	4 58
T 26	22 15	19 40	1 1	25 42	2 10	23 5	2 18	23 34	0 40	11 21	1 5	18 58	1 39	11 12	0 30	9 54	1 53	22 47	13 55	22 29	22 29	19 50	18 10	4 58
F 27	22 23	22 38	0s 4	25 37	2 6	22 50	2 13	23 39	0 41	11 20	1 5	18 59	1 39	11 13	0 30	9 54	1 53	22 48	13 55	22 29	22 29	19 52	18 11	4 58
S 28	22 31	24 38	1 9	25 31	2 1	22 34	2 8	23 43	0 41	11 19	1 5	19 1	1 39	11 14	0 30	9 54	1 53	22 48	13 56	22 29	22 29	19 54	18 11	4 58
S 29	22 38	25 31	2 12	25 23	1 55	22 19	2 2	23 48	0 42	11 18	1 6	19 2	1 39	11 15	0 30	9 53	1 53	22 49	13 56	22 29	22 28	19 57	18 12	4 58
M30	22s45	25s12	3s 9	25s13	1s48	22s 3	1s56	23s52	0s42	11n18	1n 6	19s 4	1n39	11s16	0n30	9n53	1s53	22n49	13n57	22n29	22n28	19s59	18s12	4n58

Julian Day Number = 2166967.5, Delta T = 12m40s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'31, Lahiri = 12°59'32 Julian Calendar 1 Nov. 1220 == Greg. Calendar 8 Nov. 1220

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ASTRODIENST EPHEMERIS for the year 1220
geocentric

DECEMBER 1220 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 58	16♐33'42	1♒53	6♑43	1♒ 7	20♐44	3♍31	2♐15	0♏39	0°R21	4°R30	13°R13	13♊ 2	3♐11	19♐59	T 1
W 2	5 11 55	17°34'52	14°16	7°39	1°52	21°30	3°33	2°22	0°41	0♉20	4♍30	13♊13	12°58	3°17	20° 6	W 2
T 3	5 15 51	18°36'02	26°54	8°29	2°36	22°15	3°35	2°29	0°44	0°19	4°30	13°12	12°55	3°24	20°12	T 3
F 4	5 19 48	19°37'12	9♓50	9°13	3°19	23° 1	3°36	2°36	0°47	0°18	4°30	13°12	12°52	3°30	20°19	F 4
S 5	5 23 44	20°38'22	23° 7	9°49	4° 1	23°47	3°38	2°43	0°50	0°17	4°30	13°D12	12°49	3°37	20°25	S 5
S 6	5 27 41	21°39'32	6♈46	10°17	4°41	24°33	3°39	2°50	0°53	0°16	4°30	13°12	12°46	3°44	20°32	S 6
M 7	5 31 37	22°40'42	20°50	10°35	5°21	25°18	3°40	2°57	0°55	0°15	4°29	13°13	12°42	3°50	20°38	M 7
T 8	5 35 34	23°41'52	5♉17	10°R43	5°59	26° 4	3°41	3° 3	0°58	0°14	4°29	13°13	12°39	3°57	20°45	T 8
W 9	5 39 30	24°43'02	20° 4	10°40	6°35	26°50	3°42	3°10	1° 0	0°13	4°29	13°14	12°36	4° 4	20°51	W 9
T 10	5 43 27	25°44'12	5♊ 6	10°26	7°11	27°36	3°42	3°17	1° 3	0°13	4°28	13°15	12°33	4°10	20°58	T 10
F 11	5 47 24	26°45'22	20°15	9°59	7°45	28°22	3°43	3°23	1° 6	0°12	4°28	13°R15	12°30	4°17	21° 4	F 11
S 12	5 51 20	27°46'32	5♋21	9°21	8°17	29° 8	3°R43	3°30	1° 8	0°11	4°28	13°14	12°27	4°24	21°11	S 12
S 13	5 55 17	28°47'42	20°16	8°32	8°48	29°54	3°43	3°37	1°10	0°10	4°27	13°13	12°23	4°30	21°17	S 13
M14	5 59 13	29°48'53	4♌51	7°32	9°17	0♑40	3°42	3°43	1°13	0°10	4°27	13°11	12°20	4°37	21°24	M14
T 15	6 3 10	0♑50'03	19° 1	6°24	9°45	1°26	3°42	3°50	1°15	0° 9	4°26	13° 8	12°17	4°44	21°30	T 15
W16	6 7 6	1°51'14	2♍44	5° 9	10°11	2°12	3°41	3°57	1°18	0° 8	4°26	13° 6	12°14	4°50	21°36	W16
T 17	6 11 3	2°52'25	15°58	3°50	10°35	2°59	3°40	4° 3	1°20	0° 8	4°25	13° 4	12°11	4°57	21°43	T 17
F 18	6 14 59	3°53'36	28°48	2°29	10°57	3°45	3°39	4° 9	1°22	0° 7	4°25	13°D 3	12° 8	5° 4	21°49	F 18
S 19	6 18 56	4°54'47	11♎15	1° 9	11°18	4°31	3°38	4°16	1°24	0° 7	4°24	13° 3	12° 4	5°10	21°56	S 19
S 20	6 22 53	5°55'58	23°25	29♐52	11°36	5°17	3°36	4°22	1°26	0° 6	4°24	13° 4	12° 1	5°17	22° 2	S 20
M21	6 26 49	6°57'09	5♏22	28°42	11°53	6° 4	3°35	4°29	1°28	0° 6	4°23	13° 6	11°58	5°23	22° 8	M21
T 22	6 30 46	7°58'21	17°12	27°38	12° 7	6°50	3°33	4°35	1°30	0° 5	4°22	13° 8	11°55	5°30	22°15	T 22
W23	6 34 42	8°59'32	28°58	26°43	12°19	7°36	3°31	4°41	1°32	0° 5	4°21	13° 9	11°52	5°37	22°21	W23
T 24	6 38 39	10° 0'43	10♐45	25°57	12°29	8°23	3°29	4°47	1°34	0° 5	4°21	13°R10	11°48	5°43	22°27	T 24
F 25	6 42 35	11° 1'53	22°36	25°21	12°36	9° 9	3°26	4°54	1°36	0° 4	4°20	13°10	11°45	5°50	22°33	F 25
S 26	6 46 32	12° 3'04	4♑33	24°55	12°42	9°56	3°24	5° 0	1°38	0° 4	4°19	13° 8	11°42	5°57	22°40	S 26
S 27	6 50 28	13° 4'14	16°38	24°39	12°44	10°43	3°21	5° 6	1°40	0° 4	4°18	13° 4	11°39	6° 3	22°46	S 27
M28	6 54 25	14° 5'23	28°54	24°D31	12°R45	11°29	3°18	5°12	1°42	0° 4	4°17	12°59	11°36	6°10	22°52	M28
T 29	6 58 22	15° 6'32	11♒20	24°32	12°43	12°16	3°15	5°18	1°43	0° 3	4°17	12°54	11°33	6°17	22°58	T 29
W30	7 2 18	16° 7'40	23°58	24°41	12°38	13° 2	3°11	5°24	1°45	0° 3	4°16	12°48	11°29	6°23	23° 4	W30
T 31	7 6 15	17♑ 8'47	6♓49	24♐58	12♒31	13♑49	3♍ 8	5♐30	1♏47	0♉ 3	4♍15	12♊42	11♊26	6♐30	23♐10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	22s52	23s42	3s59	25s 3	1s40	21s47	1s50	23s56	0s43	11n17	1n 6	19s 5	1n39	11s17	0n30	9n53	1s53	22n50	13n57	22n29		22n27		20s 1		18s12	4n58
W 2	22 58	21 3	4 38	24 51	1 32	21 31	1 44	23 59	0 43	11 17	1 7	19 6	1 39	11 18	0 30	9 52	1 53	22 50	13 58	22 29		22 27		20 3		18 13	4 58
T 3	23 3	17 22	5 5	24 37	1 21	21 14	1 37	24 2	0 44	11 16	1 7	19 8	1 39	11 19	0 30	9 52	1 53	22 51	13 58	22 29		22 27		20 5		18 13	4 58
F 4	23 8	12 48	5 17	24 23	1 10	20 57	1 30	24 5	0 44	11 16	1 7	19 9	1 39	11 20	0 30	9 52	1 53	22 51	13 59	22 29		22 26		20 7		18 14	4 58
S 5	23 13	7 32	5 13	24 8	0 58	20 41	1 23	24 8	0 45	11 16	1 7	19 10	1 39	11 21	0 30	9 51	1 53	22 52	13 59	22 29		22 26		20 9		18 14	4 58
S 6	23 17	1 45	4 51	23 52	0 44	20 23	1 15	24 11	0 45	11 16	1 8	19 12	1 39	11 22	0 30	9 51	1 53	22 52	14 0	22 29		22 25		20 11		18 14	4 59
M 7	23 20	4n17	4 12	23 36	0 29	20 6	1 7	24 13	0 46	11 16	1 8	19 13	1 39	11 23	0 30	9 51	1 53	22 53	14 0	22 29		22 25		20 14		18 15	4 59
T 8	23 23	10 16	3 16	23 19	0 12	19 49	0 59	24 15	0 46	11 15	1 8	19 14	1 39	11 24	0 30	9 51	1 53	22 53	14 1	22 29		22 25		20 16		18 15	4 59
W 9	23 26	15 50	2 5	23 2	0n 5	19 32	0 51	24 17	0 47	11 16	1 9	19 16	1 39	11 25	0 30	9 50	1 53	22 54	14 1	22 29		22 24		20 18		18 15	4 59
T 10	23 28	20 30	0 45	22 45	0 23	19 14	0 42	24 18	0 47	11 16	1 9	19 17	1 39	11 25	0 30	9 50	1 53	22 54	14 2	22 29		22 24		20 20		18 16	4 59
F 11	23 30	23 50	0n39	22 27	0 42	18 57	0 33	24 19	0 47	11 16	1 9	19 18	1 39	11 26	0 30	9 50	1 53	22 55	14 2	22 29		22 23		20 22		18 16	4 59
S 12	23 31	25 25	2 0	22 11	1 2	18 39	0 24	24 20	0 48	11 16	1 9	19 19	1 39	11 27	0 30	9 50	1 53	22 55	14 3	22 29		22 23		20 24		18 16	4 59
S 13	23 32	25 9	3 11	21 54	1 22	18 21	0 14	24 21	0 48	11 16	1 10	19 21	1 39	11 28	0 30	9 50	1 52	22 56	14 3	22 29		22 23		20 26		18 16	4 59
M14	23 32	23 9	4 8	21 39	1 41	18 4	0 4	24 21	0 49	11 17	1 10	19 22	1 39	11 29	0 30	9 49	1 52	22 57	14 4	22 29		22 22		20 28		18 17	5 0
T 15	23 32	19 45	4 49	21 23	2 0	17 47	0n 7	24 21	0 49	11 17	1 10	19 23	1 39	11 30	0 30	9 49	1 52	22 57	14 4	22 28		22 22		20 30		18 17	5 0
W16	23 32	15 22	5 11	21 9	2 17	17 29	0 17	24 21	0 50	11 18	1 11	19 24	1 39	11 30	0 30	9 49	1 52	22 58	14 4	22 28		22 21		20 32		18 17	5 0
T 17	23 31	10 24	5 16	20 56	2 33	17 12	0 28	24 21	0 50	11 18	1 11	19 25	1 39	11 31	0 30	9 49	1 52	22 58	14 5	22 28		22 21		20 34		18 17	5 0
F 18	23 29	5 8	5 4	20 44	2 47	16 55	0 40	24 20	0 51	11 19	1 11	19 27	1 39	11 32	0 30	9 49	1 52	22 59	14 5	22 28		22 20		20 37		18 17	5 0
S 19	23 27	0s12	4 39	20 34	2 59	16 38	0 52	24 19	0 51	11 20	1 11	19 28	1 39	11 33	0 30	9 49	1 52	23 0	14 6	22 28		22 20		20 39		18 18	5 1
S 20	23 24	5 24	4 1	20 25	3 8	16 22	1 4	24 17	0 51	11 20	1 12	19 29	1 39	11 33	0 30	9 49	1 52	23 0	14 6	22 28		22 20		20 41		18 18	5 1
M21	23 21	10 19	3 14	20 18	3 14	16 5	1 16	24 16	0 52	11 21	1 12	19 30	1 39	11 34	0 30	9 48	1 52	23 1	14 7	22 28		22 19		20 43		18 18	5 1
T 22	23 18	14 50	2 18	20 13	3 18	15 49	1 29	24 14	0 52	11 22	1 12	19 31	1 39	11 35	0 30	9 48	1 52	23 2	14 7	22 28		22 19		20 45		18 18	5 1
W23	23 14	18 45	1 17	20 10	3 20	15 33	1 42	24 12	0 53	11 23	1 12	19 32	1 39	11 35	0 30	9 48	1 52	23 2	14 8	22 28		22 18		20 47		18 18	5 1
T 24	23 10	21 56	0 13	20 9	3 20	15 18	1 55	24 9	0 53	11 24	1 13	19 33	1 39	11 36	0 30	9 48	1 52	23 3	14 8	22 29		22 18		20 49		18 18	5 2
F 25	23 5	24 12	0s52	20 10	3 18	15 2	2 9	24 7	0 53	11 25	1 13	19 34	1 39	11 37	0 30	9 48	1 52	23 4	14 8	22 28		22 18		20 51		18 18	5 2
S 26	23 0	25 22	1 55	20 13	3 14	14 48	2 22	24 4	0 54	11 27	1 13	19 35	1 39	11 37	0 30	9 48	1 52	23 4	14 9	22 28		22 17		20 53		18 19	5 2
S 27	22 54	25 22	2 53	20 17	3 9	14 33	2 36	24 0	0 54	11 28	1 14	19 37	1 39	11 38	0 30	9 48	1 52	23 5	14 9	22 28		22 17		20 55		18 19	5 2
M28	22 48	24 8	3 45	20 23	3 3	14 19	2 51	23 57	0 55	11 29	1 14	19 38	1 40	11 39	0 30	9 48	1 52	23 6	14 10	22 27		22 16		20 57		18 19	5 3
T 29	22 41	21 43	4 26	20 31	2 55	14 6	3 5	23 53	0 55	11 31	1 14	19 39	1 40	11 39	0 30	9 48	1 51	23 7	14 10	22 26		22 16		20 59		18 19	5 3
W30	22 34	18 13	4 55	20 39	2 47	13 53	3 20	23 49	0 55	11 32	1 14	19 40	1 40	11 40	0 30	9 48	1 51	23 7	14 11	22 26		22 15		21 1		18 19	5 3
T 31	22s26	13s50	5s10	20s48	2n39	13s41	3n35	23s45	0s56	11n34	1n15	19s41	1n40	11s40	0n30	9n48	1s51	23n 8	14n11	22n25		22n15		21s 3		18s19	5n 3

Julian Day Number = 2166997.5, Delta T = 12m40s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'35, Lahiri = 12°59'36 Julian Calendar 1 Dec. 1220 == Greg. Calendar 8 Dec. 1220

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

JANUARY 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 10 11	18♑ 9'53	19♓53	25♐21	12°R21	14♑36	3°R 4	5♐36	1♏48	0°R 3	4°R14	12°R37	11♊23	6♐37	23♐16	F 1
S 2	7 14 8	19°10'58	3♈13	25°51	12♒ 9	15°22	3♍ 0	5°41	1°50	0♉ 3	4♍13	12♊35	11°20	6°43	23°22	S 2
S 3	7 18 4	20°12'02	16°48	26°26	11°54	16° 9	2°56	5°47	1°51	0°D 3	4°12	12°D33	11°17	6°50	23°28	S 3
M 4	7 22 1	21°13'06	0♉39	27° 6	11°37	16°56	2°52	5°53	1°52	0° 3	4°11	12°34	11°14	6°57	23°34	M 4
T 5	7 25 57	22°14'08	14°47	27°51	11°18	17°43	2°48	5°58	1°54	0° 3	4°10	12°35	11°10	7° 3	23°40	T 5
W 6	7 29 54	23°15'09	29°12	28°40	10°56	18°30	2°43	6° 4	1°55	0° 3	4° 9	12°36	11° 7	7°10	23°46	W 6
T 7	7 33 51	24°16'09	13♊49	29°33	10°32	19°16	2°38	6° 9	1°56	0° 3	4° 7	12°R37	11° 4	7°16	23°52	T 7
F 8	7 37 47	25°17'08	28°36	0♑29	10° 5	20° 3	2°33	6°15	1°57	0° 3	4° 6	12°36	11° 1	7°23	23°58	F 8
S 9	7 41 44	26°18'05	13♋25	1°28	9°37	20°50	2°28	6°20	1°59	0° 4	4° 5	12°33	10°58	7°30	24° 4	S 9
S 10	7 45 40	27°19'02	28° 8	2°30	9° 7	21°37	2°23	6°25	2° 0	0° 4	4° 4	12°27	10°55	7°36	24° 9	S 10
M11	7 49 37	28°19'58	12♌39	3°34	8°35	22°24	2°18	6°31	2° 1	0° 4	4° 3	12°20	10°51	7°43	24°15	M11
T 12	7 53 33	29°20'52	26°50	4°41	8° 1	23°11	2°12	6°36	2° 2	0° 4	4° 2	12°12	10°48	7°50	24°21	T 12
W13	7 57 30	0♒21'46	10♍37	5°50	7°27	23°58	2° 7	6°41	2° 3	0° 5	4° 0	12° 4	10°45	7°56	24°26	W13
T 14	8 1 27	1°22'38	23°58	7° 1	6°51	24°45	2° 1	6°46	2° 3	0° 5	3°59	11°57	10°42	8° 3	24°32	T 14
F 15	8 5 23	2°23'30	6♎53	8°14	6°15	25°32	1°55	6°51	2° 4	0° 6	3°58	11°52	10°39	8°10	24°37	F 15
S 16	8 9 20	3°24'21	19°25	9°29	5°38	26°19	1°49	6°56	2° 5	0° 6	3°57	11°49	10°35	8°16	24°43	S 16
S 17	8 13 16	4°25'11	1♏38	10°45	5° 0	27° 6	1°43	7° 1	2° 6	0° 6	3°55	11°D47	10°32	8°23	24°48	S 17
M18	8 17 13	5°26'00	13°36	12° 2	4°23	27°53	1°36	7° 6	2° 6	0° 7	3°54	11°48	10°29	8°30	24°54	M18
T 19	8 21 9	6°26'48	25°26	13°21	3°46	28°40	1°30	7°10	2° 7	0° 8	3°53	11°49	10°26	8°36	24°59	T 19
W20	8 25 6	7°27'35	7♐12	14°42	3° 9	29°27	1°23	7°15	2° 7	0° 8	3°51	11°R50	10°23	8°43	25° 4	W20
T 21	8 29 2	8°28'21	19° 1	16° 3	2°34	0♒15	1°17	7°20	2° 8	0° 9	3°50	11°49	10°20	8°49	25°10	T 21
F 22	8 32 59	9°29'06	0♑55	17°26	1°59	1° 2	1°10	7°24	2° 8	0° 9	3°48	11°47	10°16	8°56	25°15	F 22
S 23	8 36 56	10°29'49	12°59	18°50	1°25	1°49	1° 3	7°28	2° 9	0°10	3°47	11°43	10°13	9° 3	25°20	S 23
S 24	8 40 52	11°30'31	25°16	20°14	0°53	2°36	0°56	7°33	2° 9	0°11	3°46	11°36	10°10	9° 9	25°25	S 24
M25	8 44 49	12°31'12	7♒47	21°40	0°22	3°23	0°49	7°37	2° 9	0°12	3°44	11°26	10° 7	9°16	25°30	M25
T 26	8 48 45	13°31'52	20°32	23° 7	29♑53	4°10	0°42	7°41	2° 9	0°12	3°43	11°15	10° 4	9°23	25°35	T 26
W27	8 52 42	14°32'30	3♓32	24°35	29°27	4°58	0°35	7°45	2° 9	0°13	3°41	11° 3	10° 0	9°29	25°40	W27
T 28	8 56 38	15°33'06	16°45	26° 4	29° 2	5°45	0°27	7°49	2° 9	0°14	3°40	10°52	9°57	9°36	25°45	T 28
F 29	9 0 35	16°33'40	0♈ 9	27°34	28°39	6°32	0°20	7°53	2°R10	0°15	3°38	10°42	9°54	9°43	25°50	F 29
S 30	9 4 31	17°34'13	13°44	29° 5	28°18	7°19	0°12	7°57	2° 9	0°16	3°37	10°35	9°51	9°49	25°54	S 30
S 31	9 8 28	18♒34'44	27♈28	0♒37	28♑ 0	8♒ 7	0♍ 5	8♐ 1	2♏ 9	0♉17	3♍35	10♊31	9♊48	9♐56	25♐59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s18	8s45	5s 9	20s58	2n29	13s29	3n50	23s40	0s56	11n35	1n15	19s42	1n40	11s41	0n30	9n48	1s51	23n 9	14n11	22n24	22n14	21s 5	18s19	5n 4	F 1
S 2	22 10	3 11	4 52	21 9	2 20	13 18	4 5	23 35	0 56	11 37	1 15	19 42	1 40	11 41	0 30	9 48	1 51	23 9	14 12	22 24	22 14	21 7	18 19	5 4	S 2
S 3	22 1	2n39	4 18	21 19	2 10	13 8	4 20	23 30	0 57	11 38	1 15	19 43	1 40	11 42	0 30	9 48	1 51	23 10	14 12	22 24	22 14	21 9	18 19	5 4	S 3
M 4	21 52	8 30	3 29	21 30	2 0	12 58	4 35	23 24	0 57	11 40	1 16	19 44	1 40	11 42	0 30	9 48	1 51	23 11	14 12	22 24	22 13	21 11	18 19	5 5	M 4
T 5	21 42	14 1	2 26	21 41	1 50	12 49	4 50	23 19	0 57	11 42	1 16	19 45	1 40	11 43	0 30	9 48	1 51	23 12	14 13	22 24	22 13	21 13	18 19	5 5	T 5
W 6	21 32	18 53	1 12	21 52	1 40	12 40	5 5	23 13	0 58	11 44	1 16	19 46	1 40	11 43	0 30	9 48	1 51	23 12	14 13	22 24	22 12	21 15	18 19	5 5	W 6
T 7	21 21	22 40	0n 7	22 2	1 30	12 33	5 19	23 6	0 58	11 46	1 16	19 47	1 40	11 43	0 30	9 49	1 51	23 13	14 14	22 24	22 12	21 17	18 19	5 5	T 7
F 8	21 10	24 58	1 26	22 12	1 20	12 26	5 34	23 0	0 58	11 48	1 17	19 48	1 40	11 44	0 30	9 49	1 51	23 14	14 14	22 24	22 11	21 19	18 19	5 6	F 8
S 9	20 59	25 30	2 39	22 22	1 10	12 20	5 48	22 53	0 59	11 50	1 17	19 49	1 40	11 44	0 30	9 49	1 51	23 15	14 14	22 24	22 11	21 21	18 19	5 6	S 9
S 10	20 47	24 14	3 41	22 31	1 0	12 14	6 1	22 46	0 59	11 52	1 17	19 50	1 40	11 45	0 30	9 49	1 51	23 15	14 15	22 23	22 11	21 23	18 19	5 6	S 10
M11	20 35	21 22	4 28	22 39	0 51	12 10	6 15	22 39	0 59	11 54	1 17	19 50	1 40	11 45	0 30	9 49	1 51	23 16	14 15	22 22	22 10	21 25	18 18	5 7	M11
T 12	20 22	17 16	4 57	22 46	0 41	12 6	6 27	22 31	1 0	11 56	1 18	19 51	1 40	11 45	0 30	9 49	1 51	23 17	14 15	22 21	22 10	21 27	18 18	5 7	T 12
W13	20 10	12 21	5 8	22 53	0 32	12 3	6 39	22 23	1 0	11 59	1 18	19 52	1 40	11 46	0 30	9 49	1 51	23 18	14 16	22 20	22 9	21 29	18 18	5 8	W13
T 14	19 56	7 1	5 1	22 59	0 22	12 1	6 50	22 15	1 0	12 1	1 18	19 53	1 41	11 46	0 30	9 50	1 50	23 19	14 16	22 19	22 9	21 31	18 18	5 8	T 14
F 15	19 43	1 32	4 39	23 4	0 13	11 59	7 1	22 7	1 1	12 3	1 18	19 54	1 41	11 46	0 30	9 50	1 50	23 19	14 16	22 18	22 8	21 32	18 18	5 8	F 15
S 16	19 29	3s52	4 5	23 7	0 5	11 59	7 11	21 58	1 1	12 6	1 18	19 54	1 41	11 46	0 30	9 50	1 50	23 20	14 17	22 18	22 8	21 34	18 18	5 9	S 16
S 17	19 14	8 58	3 19	23 10	0s 4	11 58	7 20	21 50	1 1	12 8	1 19	19 55	1 41	11 47	0 30	9 50	1 50	23 21	14 17	22 18	22 7	21 36	18 18	5 9	S 17
M18	19 0	13 40	2 26	23 12	0 12	11 59	7 28	21 40	1 1	12 11	1 19	19 56	1 41	11 47	0 30	9 50	1 50	23 22	14 17	22 18	22 7	21 38	18 17	5 9	M18
T 19	18 44	17 48	1 27	23 12	0 20	12 0	7 36	21 31	1 2	12 13	1 19	19 56	1 41	11 47	0 31	9 51	1 50	23 22	14 17	22 18	22 6	21 40	18 17	5 10	T 19
W20	18 29	21 12	0 25	23 12	0 28	12 2	7 42	21 22	1 2	12 16	1 19	19 57	1 41	11 47	0 31	9 51	1 50	23 23	14 18	22 18	22 6	21 42	18 17	5 10	W20
T 21	18 13	23 43	0s39	23 10	0 36	12 5	7 47	21 12	1 2	12 18	1 19	19 58	1 41	11 47	0 31	9 51	1 50	23 24	14 18	22 18	22 6	21 44	18 17	5 11	T 21
F 22	17 57	25 13	1 41	23 7	0 43	12 8	7 52	21 2	1 2	12 21	1 20	19 58	1 41	11 47	0 31	9 52	1 50	23 25	14 18	22 18	22 5	21 46	18 17	5 11	F 22
S 23	17 41	25 32	2 39	23 3	0 51	12 11	7 56	20 51	1 3	12 23	1 20	19 59	1 41	11 47	0 31	9 52	1 50	23 25	14 18	22 17	22 5	21 48	18 16	5 11	S 23
S 24	17 24	24 37	3 31	22 57	0 57	12 15	7 59	20 41	1 3	12 26	1 20	20 0	1 41	11 47	0 31	9 52	1 50	23 26	14 19	22 16	22 4	21 50	18 16	5 12	S 24
M25	17 7	22 28	4 13	22 51	1 4	12 20	8 0	20 30	1 3	12 29	1 20	20 0	1 42	11 48	0 31	9 52	1 50	23 27	14 19	22 15	22 4	21 52	18 16	5 12	M25
T 26	16 50	19 11	4 44	22 42	1 10	12 25	8 2	20 19	1 3	12 31	1 20	20 1	1 42	11 48	0 31	9 53	1 50	23 28	14 19	22 13	22 3	21 53	18 16	5 13	T 26
W27	16 32	14 55	5 1	22 33	1 16	12 30	8 2	20 8	1 3	12 34	1 21	20 1	1 42	11 48	0 31	9 53	1 50	23 28	14 19	22 12	22 3	21 55	18 15	5 13	W27
T 28	16 15	9 53	5 2	22 22	1 22	12 35	8 1	19 57	1 4	12 37	1 21	20 2	1 42	11 48	0 31	9 54	1 50	23 29	14 20	22 10	22 2	21 57	18 15	5 14	T 28
F 29	15 56	4 18	4 46	22 10	1 28	12 41	8 0	19 45	1 4	12 40	1 21	20 2	1 42	11 48	0 31	9 54	1 50	23 30	14 20	22 9	22 2	21 59	18 15	5 14	F 29
S 30	15 38	1n32	4 14	21 56	1 33	12 47	7 58	19 33	1 4	12 43	1 21	20 3	1 42	11 48	0 31	9 54	1 49	23 31	14 20	22 8	22 1	22 1	18 14	5 14	S 30
S 31	15s19	7n23	3s28	21s41	1s38	12s53	7n55	19s21	1s 4	12n45	1n21	20s 4	1n42	11s48	0n31	9n55	1s49	23n31	14n20	22n 7	22n 1	22s 3	18s14	5n15	S 31

Julian Day Number = 2167028.5, Delta T = 12m39s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'40, Lahiri = 12°59'40 Julian Calendar 1 Jan. 1221 == Greg. Calendar 8 Jan. 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

FEBRUARY 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 12 25	19♒35'13	11♉20	2♒10	27°R45	8♒54	29°R57	8♐ 5	2°R 9	0♉18	3°R34	10°R29	9♊45	10♐ 3	26♐ 4	M 1
T 2	9 16 21	20°35'40	25°20	3°44	27♋31	9°41	29♌50	8° 8	2♏ 9	0°19	3♍32	10°D29	9°41	10° 9	26° 8	T 2
W 3	9 20 18	21°36'05	9♊29	5°18	27°20	10°28	29°42	8°12	2° 9	0°20	3°31	10°R29	9°38	10°16	26°13	W 3
T 4	9 24 14	22°36'28	23°44	6°54	27°12	11°16	29°34	8°15	2° 8	0°21	3°29	10♊29	9°35	10°23	26°17	T 4
F 5	9 28 11	23°36'49	8♋ 4	8°31	27° 6	12° 3	29°26	8°18	2° 8	0°22	3°28	10°26	9°32	10°29	26°21	F 5
S 6	9 32 7	24°37'08	22°26	10° 8	27° 3	12°50	29°19	8°22	2° 8	0°23	3°26	10°21	9°29	10°36	26°26	S 6
S 7	9 36 4	25°37'26	6♌45	11°47	27°D 2	13°37	29°11	8°25	2° 7	0°24	3°25	10°12	9°26	10°42	26°30	S 7
M 8	9 40 0	26°37'41	20°55	13°27	27° 3	14°25	29° 3	8°28	2° 7	0°25	3°23	10° 2	9°22	10°49	26°34	M 8
T 9	9 43 57	27°37'54	4♍51	15° 7	27° 7	15°12	28°55	8°31	2° 6	0°27	3°21	9°50	9°19	10°56	26°38	T 9
W10	9 47 54	28°38'06	18°29	16°49	27°13	15°59	28°47	8°34	2° 5	0°28	3°20	9°37	9°16	11° 2	26°42	W10
T 11	9 51 50	29°38'16	1♎46	18°31	27°22	16°46	28°39	8°37	2° 5	0°29	3°18	9°26	9°13	11° 9	26°46	T 11
F 12	9 55 47	0♓38'24	14°40	20°15	27°32	17°34	28°31	8°39	2° 4	0°30	3°17	9°16	9°10	11°16	26°50	F 12
S 13	9 59 43	1°38'31	27°13	22° 0	27°45	18°21	28°24	8°42	2° 3	0°32	3°15	9°10	9° 6	11°22	26°54	S 13
S 14	10 3 40	2°38'36	9♏27	23°46	28° 0	19° 8	28°16	8°45	2° 2	0°33	3°14	9° 5	9° 3	11°29	26°58	S 14
M15	10 7 36	3°38'39	21°27	25°33	28°17	19°55	28° 8	8°47	2° 2	0°34	3°12	9° 4	9° 0	11°36	27° 1	M15
T 16	10 11 33	4°38'41	3♐19	27°21	28°36	20°43	28° 0	8°49	2° 1	0°36	3°10	9° 3	8°57	11°42	27° 5	T 16
W17	10 15 29	5°38'41	15° 6	29°10	28°57	21°30	27°52	8°52	2° 0	0°37	3° 9	9° 3	8°54	11°49	27° 8	W17
T 18	10 19 26	6°38'39	26°56	1♓ 0	29°20	22°17	27°45	8°54	1°59	0°39	3° 7	9° 2	8°51	11°56	27°12	T 18
F 19	10 23 23	7°38'36	8♑53	2°51	29°44	23° 4	27°37	8°56	1°58	0°40	3° 6	9° 0	8°47	12° 2	27°15	F 19
S 20	10 27 19	8°38'31	21° 2	4°44	0♒10	23°51	27°29	8°58	1°56	0°42	3° 4	8°54	8°44	12° 9	27°18	S 20
S 21	10 31 16	9°38'24	3♒26	6°38	0°38	24°39	27°22	9° 0	1°55	0°43	3° 3	8°46	8°41	12°15	27°22	S 21
M22	10 35 12	10°38'15	16°10	8°32	1° 7	25°26	27°14	9° 2	1°54	0°45	3° 1	8°36	8°38	12°22	27°25	M22
T 23	10 39 9	11°38'05	29°12	10°28	1°38	26°13	27° 7	9° 3	1°53	0°47	2°59	8°23	8°35	12°29	27°28	T 23
W24	10 43 5	12°37'52	12♓33	12°24	2°11	27° 0	27° 0	9° 5	1°51	0°48	2°58	8°10	8°32	12°35	27°31	W24
T 25	10 47 2	13°37'37	26°10	14°22	2°44	27°47	26°52	9° 6	1°50	0°50	2°56	7°58	8°28	12°42	27°34	T 25
F 26	10 50 58	14°37'21	10♈ 1	16°20	3°19	28°35	26°45	9° 8	1°49	0°51	2°55	7°47	8°25	12°49	27°36	F 26
S 27	10 54 55	15°37'02	24° 0	18°20	3°56	29°22	26°38	9° 9	1°47	0°53	2°53	7°38	8°22	12°55	27°39	S 27
S 28	10 58 51	16♓36'41	8♉ 5	20♓19	4♒33	0♓ 9	26♌31	9♐10	1♏46	0♉55	2♍52	7♊33	8♊19	13♐ 2	27♐42	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	15s 0	12n57	2s28	21s25	1s42	13s 0	7n52	19s 9	1s 4	12n48	1n21	20s 4	1n42	11s47	0n31	9n55	1s49	23n32	14n20	22n 7	22n 0	22s 5	18s14	5n15	M 1
T 2	14 41	17 53	1 20	21 7	1 46	13 6	7 48	18 56	1 5	12 51	1 21	20 4	1 42	11 47	0 31	9 55	1 49	23 33	14 21	22 7	22 0	22 6	18 13	5 16	T 2
W 3	14 22	21 53	0 5	20 48	1 50	13 13	7 43	18 44	1 5	12 54	1 22	20 5	1 42	11 47	0 31	9 56	1 49	23 34	14 21	22 7	21 59	22 8	18 13	5 16	W 3
T 4	14 2	24 33	1n10	20 27	1 53	13 19	7 38	18 31	1 5	12 57	1 22	20 5	1 43	11 47	0 31	9 56	1 49	23 34	14 21	22 7	21 59	22 10	18 13	5 17	T 4
F 5	13 42	25 38	2 21	20 5	1 57	13 26	7 32	18 18	1 5	13 0	1 22	20 6	1 43	11 47	0 31	9 57	1 49	23 35	14 21	22 6	21 58	22 12	18 12	5 17	F 5
S 6	13 22	25 0	3 23	19 42	1 59	13 32	7 26	18 4	1 5	13 2	1 22	20 6	1 43	11 47	0 31	9 57	1 49	23 36	14 21	22 6	21 58	22 14	18 12	5 18	S 6
S 7	13 2	22 43	4 12	19 16	2 2	13 39	7 20	17 51	1 5	13 5	1 22	20 7	1 43	11 47	0 31	9 58	1 49	23 37	14 21	22 4	21 58	22 16	18 12	5 18	S 7
M 8	12 41	19 4	4 45	18 50	2 4	13 45	7 13	17 37	1 5	13 8	1 22	20 7	1 43	11 46	0 31	9 58	1 49	23 37	14 21	22 3	21 57	22 17	18 11	5 19	M 8
T 9	12 21	14 25	5 0	18 22	2 5	13 51	7 6	17 23	1 6	13 11	1 22	20 7	1 43	11 46	0 31	9 59	1 49	23 38	14 22	22 1	21 57	22 19	18 11	5 19	T 9
W10	12 0	9 8	4 57	17 52	2 6	13 57	6 59	17 9	1 6	13 14	1 22	20 8	1 43	11 46	0 31	9 59	1 49	23 39	14 22	21 59	21 56	22 21	18 10	5 20	W10
T 11	11 39	3 33	4 39	17 21	2 7	14 3	6 51	16 55	1 6	13 17	1 22	20 8	1 43	11 46	0 31	10 0	1 49	23 39	14 22	21 58	21 56	22 23	18 10	5 20	T 11
F 12	11 18	2s 1	4 6	16 49	2 8	14 9	6 43	16 41	1 6	13 19	1 22	20 8	1 43	11 46	0 31	10 0	1 49	23 40	14 22	21 56	21 55	22 25	18 10	5 21	F 12
S 13	10 56	7 23	3 22	16 15	2 8	14 14	6 35	16 26	1 6	13 22	1 22	20 9	1 43	11 45	0 31	10 1	1 49	23 41	14 22	21 55	21 55	22 27	18 9	5 21	S 13
S 14	10 35	12 20	2 30	15 39	2 7	14 20	6 27	16 12	1 6	13 25	1 22	20 9	1 44	11 45	0 31	10 1	1 49	23 41	14 22	21 54	21 54	22 28	18 9	5 22	S 14
M15	10 13	16 44	1 32	15 2	2 6	14 25	6 18	15 57	1 6	13 28	1 23	20 9	1 44	11 45	0 31	10 2	1 49	23 42	14 22	21 54	21 54	22 30	18 8	5 22	M15
T 16	9 51	20 25	0 30	14 24	2 5	14 29	6 10	15 42	1 6	13 31	1 23	20 9	1 44	11 44	0 31	10 2	1 49	23 43	14 22	21 54	21 53	22 32	18 8	5 23	T 16
W17	9 29	23 14	0s32	13 44	2 3	14 34	6 1	15 27	1 6	13 33	1 23	20 10	1 44	11 44	0 31	10 3	1 48	23 43	14 22	21 54	21 53	22 34	18 7	5 23	W17
T 18	9 7	25 4	1 33	13 2	2 0	14 38	5 53	15 11	1 6	13 36	1 23	20 10	1 44	11 44	0 31	10 3	1 48	23 44	14 22	21 54	21 52	22 35	18 7	5 24	T 18
F 19	8 44	25 45	2 31	12 19	1 57	14 41	5 44	14 56	1 6	13 39	1 23	20 10	1 44	11 43	0 31	10 4	1 48	23 45	14 22	21 54	21 52	22 37	18 6	5 24	F 19
S 20	8 22	25 13	3 23	11 35	1 54	14 44	5 35	14 40	1 6	13 41	1 23	20 10	1 44	11 43	0 31	10 4	1 48	23 45	14 22	21 53	21 51	22 39	18 6	5 25	S 20
S 21	7 59	23 27	4 6	10 49	1 50	14 47	5 26	14 24	1 6	13 44	1 23	20 10	1 44	11 42	0 31	10 5	1 48	23 46	14 22	21 52	21 51	22 41	18 5	5 26	S 21
M22	7 37	20 28	4 38	10 2	1 45	14 50	5 17	14 8	1 6	13 47	1 23	20 11	1 45	11 42	0 31	10 6	1 48	23 46	14 22	21 50	21 50	22 42	18 5	5 26	M22
T 23	7 14	16 25	4 56	9 13	1 40	14 52	5 8	13 52	1 6	13 49	1 23	20 11	1 45	11 41	0 31	10 6	1 48	23 47	14 22	21 48	21 50	22 44	18 4	5 27	T 23
W24	6 51	11 29	4 59	8 23	1 34	14 54	5 0	13 36	1 6	13 52	1 23	20 11	1 45	11 41	0 31	10 7	1 48	23 48	14 22	21 46	21 49	22 46	18 4	5 27	W24
T 25	6 28	5 53	4 45	7 32	1 28	14 55	4 51	13 20	1 6	13 54	1 23	20 11	1 45	11 40	0 31	10 7	1 48	23 48	14 22	21 44	21 49	22 48	18 3	5 28	T 25
F 26	6 5	0n 5	4 15	6 40	1 21	14 55	4 42	13 3	1 6	13 57	1 23	20 11	1 45	11 40	0 31	10 8	1 48	23 49	14 22	21 42	21 48	22 49	18 3	5 28	F 26
S 27	5 42	6 7	3 28	5 46	1 14	14 56	4 33	12 47	1 6	13 59	1 23	20 11	1 45	11 39	0 31	10 9	1 48	23 49	14 22	21 41	21 48	22 51	18 2	5 29	S 27
S 28	5s18	11n55	2s29	4s52	1s 6	14s56	4n24	12s30	1s 6	14n 2	1n23	20s11	1n45	11s39	0n31	10n 9	1s48	23n50	14n22	21n40	21n47	22s53	18s 2	5n29	S 28

Julian Day Number = 2167059.5, Delta T = 12m39s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'44, Lahiri = 12°59'44 Julian Calendar 1 Feb. 1221 == Greg. Calendar 8 Feb. 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

MARCH 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 2 48	17♓36'17	22♉12	22♓20	5♒12	0♓56	26°R24	9♐11	1°R44	0♉57	2°R50	7°R31	8♊16	13♐ 9	27♐44	M 1
T 2	11 6 45	18°35'52	6♊19	24°20	5°52	1°43	26♏17	9°12	1♏43	0°58	2♍49	7°D30	8°12	13°15	27°47	T 2
W 3	11 10 41	19°35'24	20°25	26°21	6°33	2°30	26°10	9°13	1°41	1° 0	2°47	7°R30	8° 9	13°22	27°49	W 3
T 4	11 14 38	20°34'54	4♋29	28°21	7°15	3°17	26° 4	9°14	1°39	1° 2	2°46	7♊29	8° 6	13°29	27°52	T 4
F 5	11 18 34	21°34'21	18°31	0♈21	7°58	4° 4	25°57	9°15	1°38	1° 4	2°44	7°27	8° 3	13°35	27°54	F 5
S 6	11 22 31	22°33'46	2♌29	2°21	8°42	4°51	25°51	9°15	1°36	1° 6	2°43	7°22	8° 0	13°42	27°56	S 6
S 7	11 26 27	23°33'09	16°21	4°19	9°27	5°38	25°45	9°16	1°34	1° 7	2°41	7°14	7°57	13°48	27°58	S 7
M 8	11 30 24	24°32'29	0♍ 4	6°16	10°13	6°25	25°38	9°16	1°32	1° 9	2°40	7° 4	7°53	13°55	28° 0	M 8
T 9	11 34 20	25°31'47	13°36	8°11	11° 0	7°12	25°32	9°16	1°30	1°11	2°38	6°52	7°50	14° 2	28° 2	T 9
W10	11 38 17	26°31'03	26°54	10° 4	11°48	7°59	25°26	9°17	1°29	1°13	2°37	6°41	7°47	14° 8	28° 4	W10
T 11	11 42 14	27°30'16	9♎55	11°55	12°36	8°46	25°21	9°17	1°27	1°15	2°36	6°29	7°44	14°15	28° 6	T 11
F 12	11 46 10	28°29'28	22°38	13°42	13°25	9°33	25°15	9°R17	1°25	1°17	2°34	6°20	7°41	14°22	28° 7	F 12
S 13	11 50 7	29°28'38	5♏ 5	15°26	14°15	10°20	25°10	9°17	1°23	1°19	2°33	6°13	7°37	14°28	28° 9	S 13
S 14	11 54 3	0♈27'46	17°17	17° 6	15° 6	11° 7	25° 4	9°16	1°21	1°21	2°31	6° 9	7°34	14°35	28°10	S 14
M15	11 58 0	1°26'52	29°16	18°42	15°57	11°54	24°59	9°16	1°19	1°23	2°30	6° 7	7°31	14°42	28°12	M15
T 16	12 1 56	2°25'56	11♐ 7	20°14	16°49	12°40	24°54	9°16	1°16	1°25	2°29	6°D 7	7°28	14°48	28°13	T 16
W17	12 5 53	3°24'59	22°55	21°40	17°42	13°27	24°49	9°15	1°14	1°27	2°27	6° 8	7°25	14°55	28°14	W17
T 18	12 9 49	4°23'59	4♑46	23° 2	18°35	14°14	24°45	9°15	1°12	1°29	2°26	6°R 8	7°22	15° 2	28°15	T 18
F 19	12 13 46	5°22'58	16°43	24°18	19°29	15° 1	24°40	9°14	1°10	1°31	2°25	6° 8	7°18	15° 8	28°16	F 19
S 20	12 17 43	6°21'55	28°54	25°29	20°23	15°47	24°36	9°13	1° 8	1°33	2°24	6° 5	7°15	15°15	28°17	S 20
S 21	12 21 39	7°20'51	11♒21	26°34	21°18	16°34	24°31	9°12	1° 6	1°35	2°22	6° 0	7°12	15°22	28°18	S 21
M22	12 25 36	8°19'44	24°10	27°33	22°14	17°21	24°27	9°11	1° 3	1°37	2°21	5°53	7° 9	15°28	28°19	M22
T 23	12 29 32	9°18'36	7♓22	28°26	23°10	18° 7	24°23	9°10	1° 1	1°40	2°20	5°44	7° 6	15°35	28°20	T 23
W24	12 33 29	10°17'25	20°57	29°13	24° 6	18°54	24°20	9° 9	0°59	1°42	2°19	5°35	7° 3	15°41	28°20	W24
T 25	12 37 25	11°16'13	4♈53	29°53	25° 3	19°40	24°16	9° 8	0°56	1°44	2°18	5°26	6°59	15°48	28°21	T 25
F 26	12 41 22	12°14'59	19° 6	0♉28	26° 1	20°27	24°13	9° 6	0°54	1°46	2°16	5°18	6°56	15°55	28°21	F 26
S 27	12 45 18	13°13'42	3♉31	0°55	26°58	21°13	24°10	9° 5	0°52	1°48	2°15	5°12	6°53	16° 1	28°21	S 27
S 28	12 49 15	14°12'24	18° 2	1°17	27°57	22° 0	24° 7	9° 3	0°49	1°50	2°14	5° 9	6°50	16° 8	28°22	S 28
M29	12 53 12	15°11'03	2♊33	1°32	28°55	22°46	24° 4	9° 2	0°47	1°52	2°13	5°D 8	6°47	16°15	28°22	M29
T 30	12 57 8	16° 9'41	16°59	1°41	29°54	23°33	24° 1	9° 0	0°45	1°55	2°12	5° 8	6°43	16°21	28°R22	T 30
W31	13 1 5	17♈ 8'16	1♋16	1°R44	0♓53	24♓19	23♏59	8♐58	0♏42	1♉57	2♍11	5♊ 9	6♊40	16♐28	28♐22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	4s55	17n 6	1s20	3s56	0s58	14s55	4n15	12s13	1s 6	14n 4	1n23	20s11	1n45	11s38	0n31	10n10	1s48	23n50	14n22	21n39	21n47	22s55	18s 1	5n30	
T 2	4 32	21 21	0 6	3 0	0 49	14 54	4 7	11 56	1 6	14 6	1 23	20 11	1 45	11 38	0 31	10 11	1 48	23 51	14 22	21 39	21 46	22 56	18 1	5 31	
W 3	4 8	24 19	1n 8	2 3	0 39	14 52	3 58	11 39	1 6	14 8	1 23	20 11	1 46	11 37	0 31	10 11	1 48	23 51	14 22	21 39	21 46	22 58	18 0	5 31	
T 4	3 45	25 46	2 18	1 6	0 29	14 50	3 49	11 22	1 6	14 11	1 23	20 11	1 46	11 37	0 31	10 12	1 48	23 52	14 22	21 39	21 45	23 0	18 0	5 32	
F 5	3 21	25 32	3 19	0 8	0 19	14 48	3 41	11 5	1 6	14 13	1 22	20 11	1 46	11 36	0 31	10 13	1 48	23 52	14 22	21 39	21 45	23 1	17 59	5 32	
S 6	2 58	23 43	4 8	0n49	0 8	14 45	3 32	10 48	1 6	14 15	1 22	20 11	1 46	11 35	0 31	10 13	1 48	23 53	14 22	21 38	21 44	23 3	17 59	5 33	
S 7	2 34	20 29	4 42	1 47	0n 4	14 41	3 24	10 30	1 6	14 17	1 22	20 11	1 46	11 35	0 31	10 14	1 48	23 53	14 22	21 37	21 44	23 5	17 58	5 34	
M 8	2 11	16 9	4 59	2 44	0 15	14 37	3 15	10 13	1 6	14 19	1 22	20 11	1 46	11 34	0 31	10 15	1 48	23 54	14 22	21 35	21 43	23 6	17 57	5 34	
T 9	1 47	11 5	5 0	3 40	0 27	14 33	3 7	9 55	1 6	14 21	1 22	20 11	1 46	11 33	0 31	10 15	1 48	23 54	14 22	21 33	21 43	23 8	17 57	5 35	
W10	1 23	5 34	4 43	4 36	0 39	14 28	2 59	9 38	1 6	14 23	1 22	20 11	1 46	11 33	0 31	10 16	1 48	23 55	14 22	21 31	21 42	23 10	17 56	5 35	
T 11	1 0	0s 4	4 13	5 31	0 51	14 22	2 51	9 20	1 6	14 25	1 22	20 11	1 47	11 32	0 31	10 17	1 48	23 55	14 21	21 29	21 42	23 11	17 56	5 36	
F 12	0 36	5 36	3 30	6 24	1 3	14 16	2 43	9 2	1 6	14 27	1 22	20 11	1 47	11 31	0 31	10 17	1 47	23 55	14 21	21 28	21 41	23 13	17 55	5 37	
S 13	0 13	10 48	2 37	7 15	1 15	14 9	2 35	8 44	1 6	14 28	1 22	20 11	1 47	11 31	0 31	10 18	1 47	23 56	14 21	21 26	21 41	23 15	17 55	5 37	
S 14	0n11	15 29	1 39	8 5	1 27	14 2	2 27	8 26	1 5	14 30	1 22	20 11	1 47	11 30	0 31	10 19	1 47	23 56	14 21	21 26	21 40	23 16	17 54	5 38	
M15	0 35	19 29	0 37	8 52	1 38	13 55	2 19	8 8	1 5	14 32	1 22	20 10	1 47	11 29	0 31	10 20	1 47	23 57	14 21	21 25	21 39	23 18	17 53	5 38	
T 16	0 58	22 39	0s27	9 38	1 50	13 46	2 11	7 50	1 5	14 33	1 22	20 10	1 47	11 29	0 31	10 20	1 47	23 57	14 21	21 25	21 39	23 20	17 53	5 39	
W17	1 22	24 50	1 29	10 20	2 0	13 38	2 4	7 32	1 5	14 35	1 21	20 10	1 47	11 28	0 31	10 21	1 47	23 57	14 21	21 25	21 38	23 21	17 52	5 40	
T 18	1 45	25 54	2 27	11 1	2 11	13 29	1 56	7 14	1 5	14 36	1 21	20 10	1 47	11 27	0 31	10 22	1 47	23 58	14 20	21 25	21 38	23 23	17 52	5 40	
F 19	2 9	25 47	3 20	11 38	2 20	13 19	1 49	6 55	1 5	14 38	1 21	20 10	1 47	11 26	0 31	10 23	1 47	23 58	14 20	21 25	21 37	23 24	17 51	5 41	
S 20	2 32	24 27	4 4	12 12	2 29	13 9	1 42	6 37	1 5	14 39	1 21	20 9	1 48	11 26	0 31	10 23	1 47	23 58	14 20	21 25	21 37	23 26	17 50	5 41	
S 21	2 56	21 54	4 38	12 44	2 37	12 58	1 34	6 19	1 4	14 41	1 21	20 9	1 48	11 25	0 31	10 24	1 47	23 59	14 20	21 24	21 36	23 28	17 50	5 42	
M22	3 19	18 13	4 59	13 12	2 44	12 47	1 27	6 0	1 4	14 42	1 21	20 9	1 48	11 24	0 31	10 25	1 47	23 59	14 20	21 23	21 36	23 29	17 49	5 43	
T 23	3 42	13 33	5 5	13 37	2 51	12 35	1 20	5 42	1 4	14 43	1 21	20 9	1 48	11 23	0 31	10 26	1 47	23 59	14 19	21 21	21 35	23 31	17 49	5 43	
W24	4 5	8 7	4 55	13 59	2 56	12 23	1 13	5 23	1 4	14 44	1 21	20 8	1 48	11 22	0 31	10 26	1 47	23 59	14 19	21 20	21 35	23 32	17 48	5 44	
T 25	4 29	2 8	4 27	14 18	3 0	12 11	1 7	5 5	1 4	14 45	1 21	20 8	1 48	11 22	0 31	10 27	1 47	24 0	14 19	21 18	21 34	23 34	17 47	5 44	
F 26	4 52	4n 6	3 41	14 33	3 4	11 58	1 0	4 46	1 3	14 46	1 20	20 8	1 48	11 21	0 31	10 28	1 47	24 0	14 19	21 17	21 34	23 36	17 47	5 45	
S 27	5 15	10 13	2 42	14 44	3 6	11 44	0 53	4 28	1 3	14 47	1 20	20 7	1 48	11 20	0 31	10 29	1 47	24 0	14 19	21 16	21 33	23 37	17 46	5 46	
S 28	5 38	15 49	1 31	14 53	3 6	11 30	0 47	4 9	1 3	14 48	1 20	20 7	1 48	11 19	0 31	10 29	1 47	24 0	14 18	21 15	21 33	23 39	17 46	5 46	
M29	6 0	20 32	0 14	14 58	3 6	11 16	0 41	3 50	1 3	14 49	1 20	20 7	1 48	11 18	0 31	10 30	1 47	24 0	14 18	21 15	21 32	23 40	17 45	5 47	
T 30	6 23	23 57	1n 4	14 59	3 4	11 1	0 34	3 32	1 3	14 50	1 20	20 6	1 49	11 17	0 31	10 31	1 47	24 1	14 18	21 15	21 31	23 42	17 44	5 47	
W31	6n46	25n48	2n16	14n57	3n 1	10s46	0n28	3s13	1s 2	14n50	1n20	20s 6	1n49	11s17	0n31	10n32	1s47	24n 1	14n18	21n15	21n31	23s43	17s44	5n48	

Julian Day Number = 2167087.5, Delta T = 12m39s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'48, Lahiri = 12°59'48 Julian Calendar 1 March 1221 == Greg. Calendar 8 March 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

APRIL 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 1	18♈ 6'49	15♋24	1°R41	1♓53	25♓ 5	23°R56	8°R56	0°R40	1♉59	2°R10	5°R10	6♊37	16♐35	28°R22	T 1
F 2	13 8 58	19° 5'19	29°20	1♉32	2°53	25°52	23♌54	8♐54	0♏37	2° 1	2♍ 9	5♊ 9	6°34	16°41	28♐21	F 2
S 3	13 12 54	20° 3'48	13♌ 4	1°18	3°54	26°38	23°52	8°52	0°35	2° 3	2° 8	5° 7	6°31	16°48	28°21	S 3
S 4	13 16 51	21° 2'14	26°37	0°58	4°54	27°24	23°50	8°50	0°32	2° 6	2° 7	5° 3	6°28	16°55	28°21	S 4
M 5	13 20 47	22° 0'38	9♍57	0°35	5°55	28°10	23°49	8°48	0°30	2° 8	2° 6	4°57	6°24	17° 1	28°20	M 5
T 6	13 24 44	22°59'00	23° 4	0° 7	6°57	28°56	23°48	8°46	0°27	2°10	2° 5	4°50	6°21	17° 8	28°20	T 6
W 7	13 28 41	23°57'19	5♎58	29♈35	7°58	29°42	23°46	8°43	0°25	2°12	2° 5	4°43	6°18	17°15	28°19	W 7
T 8	13 32 37	24°55'37	18°39	29° 1	9° 0	0♈28	23°45	8°41	0°22	2°15	2° 4	4°36	6°15	17°21	28°18	T 8
F 9	13 36 34	25°53'53	1♏ 7	28°24	10° 2	1°14	23°45	8°38	0°20	2°17	2° 3	4°31	6°12	17°28	28°18	F 9
S 10	13 40 30	26°52'07	13°22	27°46	11° 5	2° 0	23°44	8°35	0°17	2°19	2° 2	4°27	6° 9	17°34	28°17	S 10
S 11	13 44 27	27°50'20	25°26	27° 6	12° 7	2°46	23°43	8°33	0°15	2°21	2° 1	4°25	6° 5	17°41	28°16	S 11
M12	13 48 23	28°48'31	7♐21	26°27	13°10	3°32	23°43	8°30	0°12	2°24	2° 1	4°D24	6° 2	17°48	28°15	M12
T 13	13 52 20	29°46'40	19°11	25°48	14°14	4°18	23°D43	8°27	0°10	2°26	2° 0	4°25	5°59	17°54	28°14	T 13
W14	13 56 16	0♑44'48	0♑59	25°11	15°17	5° 4	23°43	8°24	0° 7	2°28	1°59	4°27	5°56	18° 1	28°12	W14
T 15	14 0 13	1°42'54	12°49	24°35	16°21	5°49	23°43	8°21	0° 5	2°30	1°59	4°29	5°53	18° 8	28°11	T 15
F 16	14 4 9	2°40'59	24°47	24° 2	17°25	6°35	23°44	8°18	0° 2	2°33	1°58	4°30	5°49	18°14	28°10	F 16
S 17	14 8 6	3°39'03	6♒57	23°32	18°29	7°21	23°45	8°15	29♎59	2°35	1°57	4°R30	5°46	18°21	28° 8	S 17
S 18	14 12 3	4°37'05	19°24	23° 5	19°33	8° 6	23°45	8°11	29°57	2°37	1°57	4°29	5°43	18°28	28° 7	S 18
M19	14 15 59	5°35'05	2♓12	22°42	20°38	8°52	23°46	8° 8	29°54	2°39	1°56	4°27	5°40	18°34	28° 5	M19
T 20	14 19 56	6°33'04	15°24	22°23	21°42	9°38	23°48	8° 5	29°52	2°42	1°56	4°24	5°37	18°41	28° 3	T 20
W21	14 23 52	7°31'02	29° 2	22° 8	22°47	10°23	23°49	8° 1	29°49	2°44	1°55	4°20	5°34	18°48	28° 2	W21
T 22	14 27 49	8°28'58	13♈ 6	21°57	23°52	11° 8	23°50	7°58	29°47	2°46	1°55	4°16	5°30	18°54	28° 0	T 22
F 23	14 31 45	9°26'53	27°32	21°51	24°58	11°54	23°52	7°54	29°44	2°48	1°55	4°13	5°27	19° 1	27°58	F 23
S 24	14 35 42	10°24'47	12♉15	21°D50	26° 3	12°39	23°54	7°51	29°42	2°51	1°54	4°10	5°24	19° 8	27°56	S 24
S 25	14 39 38	11°22'39	27° 7	21°54	27° 9	13°24	23°56	7°47	29°39	2°53	1°54	4°D 9	5°21	19°14	27°54	S 25
M26	14 43 35	12°20'29	12♊ 2	22° 2	28°15	14°10	23°58	7°43	29°37	2°55	1°54	4° 9	5°18	19°21	27°52	M26
T 27	14 47 32	13°18'18	26°51	22°14	29°20	14°55	24° 1	7°39	29°35	2°57	1°53	4°10	5°15	19°27	27°49	T 27
W28	14 51 28	14°16'05	11♋28	22°31	0♈27	15°40	24° 3	7°36	29°32	3° 0	1°53	4°11	5°11	19°34	27°47	W28
T 29	14 55 25	15°13'51	25°48	22°53	1°33	16°25	24° 6	7°32	29°30	3° 2	1°53	4°13	5° 8	19°41	27°45	T 29
F 30	14 59 21	16♉11'34	9♌50	23♈19	2♈39	17♈10	24♌ 9	7♐28	29♎27	3♉ 4	1♍53	4°R13	5♊ 5	19♐47	27♐42	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 8	25n58	3n20	14n51	2n56	10s30	0n22	2s54	1s 2	14n51	1n20	20s 6	1n49	11s16	0n31	10n32	1s47	24n 1	14n17	21n15	21n30	23s45	17s43	5n49
F 2	7 30	24 28	4 11	14 43	2 50	10 14	0 17	2 36	1 2	14 51	1 19	20 5	1 49	11 15	0 31	10 33	1 47	24 1	14 17	21 15	21 30	23 46	17 43	5 49
S 3	7 53	21 32	4 47	14 31	2 43	9 57	0 11	2 17	1 1	14 52	1 19	20 5	1 49	11 14	0 31	10 34	1 47	24 1	14 17	21 15	21 29	23 48	17 42	5 50
S 4	8 15	17 29	5 6	14 16	2 34	9 40	0 5	1 58	1 1	14 52	1 19	20 4	1 49	11 13	0 31	10 35	1 47	24 1	14 17	21 14	21 29	23 50	17 41	5 50
M 5	8 37	12 37	5 8	13 58	2 24	9 23	0s 0	1 40	1 1	14 53	1 19	20 4	1 49	11 12	0 31	10 36	1 47	24 1	14 16	21 13	21 28	23 51	17 41	5 51
T 6	8 58	7 15	4 54	13 37	2 12	9 5	0 6	1 21	1 1	14 53	1 19	20 4	1 49	11 11	0 31	10 36	1 47	24 1	14 16	21 12	21 28	23 53	17 40	5 52
W 7	9 20	1 40	4 25	13 14	2 0	8 47	0 11	1 2	1 0	14 53	1 19	20 3	1 49	11 10	0 31	10 37	1 47	24 1	14 16	21 10	21 27	23 54	17 40	5 52
T 8	9 41	3s54	3 43	12 49	1 46	8 29	0 16	0 44	1 0	14 54	1 18	20 3	1 49	11 10	0 31	10 38	1 47	24 2	14 15	21 9	21 27	23 56	17 39	5 53
F 9	10 3	9 14	2 51	12 22	1 31	8 10	0 21	0 25	1 0	14 54	1 18	20 2	1 49	11 9	0 31	10 39	1 47	24 2	14 15	21 8	21 26	23 57	17 38	5 53
S 10	10 24	14 8	1 52	11 54	1 16	7 51	0 26	0 6	0 59	14 54	1 18	20 2	1 49	11 8	0 31	10 39	1 47	24 2	14 15	21 7	21 26	23 59	17 38	5 54
S 11	10 45	18 25	0 49	11 25	0 59	7 31	0 31	0n12	0 59	14 54	1 18	20 1	1 49	11 7	0 31	10 40	1 47	24 2	14 15	21 7	21 25	24 0	17 37	5 55
M12	11 6	21 54	0s16	10 55	0 43	7 11	0 36	0 31	0 59	14 54	1 18	20 1	1 50	11 6	0 31	10 41	1 47	24 2	14 14	21 7	21 24	24 2	17 37	5 55
T 13	11 26	24 26	1 20	10 25	0 26	6 51	0 40	0 49	0 58	14 54	1 18	20 0	1 50	11 5	0 31	10 42	1 47	24 2	14 14	21 7	21 24	24 3	17 36	5 56
W14	11 47	25 53	2 20	9 55	0 9	6 31	0 45	1 8	0 58	14 53	1 17	20 0	1 50	11 4	0 31	10 43	1 47	24 1	14 14	21 7	21 23	24 4	17 35	5 56
T 15	12 7	26 9	3 15	9 26	0s 9	6 10	0 49	1 26	0 58	14 53	1 17	19 59	1 50	11 3	0 31	10 43	1 47	24 1	14 13	21 8	21 23	24 6	17 35	5 57
F 16	12 27	25 13	4 2	8 58	0 26	5 49	0 53	1 45	0 57	14 53	1 17	19 59	1 50	11 3	0 31	10 44	1 47	24 1	14 13	21 8	21 22	24 7	17 34	5 57
S 17	12 47	23 6	4 38	8 31	0 42	5 27	0 58	2 3	0 57	14 52	1 17	19 58	1 50	11 2	0 31	10 45	1 47	24 1	14 13	21 8	21 22	24 9	17 34	5 58
S 18	13 7	19 51	5 3	8 6	0 58	5 6	1 2	2 22	0 57	14 52	1 17	19 58	1 50	11 1	0 31	10 46	1 47	24 1	14 12	21 8	21 21	24 10	17 33	5 59
M19	13 26	15 36	5 13	7 43	1 14	4 44	1 5	2 40	0 56	14 51	1 17	19 57	1 50	11 0	0 31	10 46	1 47	24 1	14 12	21 7	21 20	24 12	17 33	5 59
T 20	13 46	10 30	5 8	7 22	1 29	4 22	1 9	2 58	0 56	14 51	1 16	19 56	1 50	10 59	0 31	10 47	1 47	24 1	14 12	21 7	21 20	24 13	17 32	6 0
W21	14 5	4 44	4 45	7 3	1 43	3 59	1 13	3 17	0 56	14 50	1 16	19 56	1 50	10 58	0 31	10 48	1 47	24 1	14 11	21 6	21 19	24 15	17 31	6 0
T 22	14 23	1n26	4 5	6 47	1 57	3 37	1 16	3 35	0 55	14 50	1 16	19 55	1 50	10 57	0 31	10 49	1 47	24 1	14 11	21 5	21 19	24 16	17 31	6 1
F 23	14 42	7 43	3 8	6 33	2 9	3 14	1 20	3 53	0 55	14 49	1 16	19 55	1 50	10 56	0 31	10 49	1 47	24 1	14 11	21 5	21 18	24 17	17 30	6 1
S 24	15 0	13 42	1 58	6 22	2 21	2 51	1 23	4 11	0 54	14 48	1 16	19 54	1 50	10 56	0 31	10 50	1 47	24 0	14 10	21 4	21 18	24 19	17 30	6 2
S 25	15 19	18 58	0 39	6 14	2 31	2 27	1 26	4 29	0 54	14 47	1 16	19 53	1 50	10 55	0 31	10 51	1 47	24 0	14 10	21 4	21 17	24 20	17 29	6 2
M26	15 36	23 3	0n43	6 8	2 41	2 4	1 29	4 47	0 54	14 46	1 15	19 53	1 50	10 54	0 31	10 52	1 47	24 0	14 10	21 4	21 17	24 22	17 29	6 3
T 27	15 54	25 32	2 2	6 4	2 50	1 40	1 32	5 5	0 53	14 45	1 15	19 52	1 50	10 53	0 31	10 52	1 47	24 0	14 9	21 4	21 16	24 23	17 28	6 3
W28	16 11	26 14	3 12	6 3	2 58	1 16	1 35	5 23	0 53	14 44	1 15	19 51	1 50	10 52	0 31	10 53	1 47	23 59	14 9	21 4	21 15	24 24	17 28	6 4
T 29	16 28	25 8	4 8	6 5	3 4	0 52	1 38	5 41	0 52	14 43	1 15	19 51	1 50	10 51	0 31	10 54	1 47	23 59	14 8	21 5	21 15	24 26	17 27	6 4
F 30	16n45	22n29	4n48	6n 9	3s10	0s28	1s40	5n58	0s52	14n42	1n15	19s50	1n50	10s50	0n31	10n55	1s47	23n59	14n 8	21n 5	21n14	24s27	17s27	6n 5

Julian Day Number = 2167118.5, Delta T = 12m39s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'52, Lahiri = 12°59'52 Julian Calendar 1 Apr. 1221 == Greg. Calendar 8 Apr. 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

MAY 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 18	17♉ 9'17	23♌33	23♈49	3♈46	17♈55	24♌12	7°R24	29°R25	3♉ 6	1°R52	4°R13	5♊ 2	19♐54	27°R40	S 1
S 2	15 7 14	18° 6'57	6♍56	24°23	4°52	18°40	24°16	7♐20	29♎23	3° 8	1♍52	4♊12	4°59	20° 1	27♐37	S 2
M 3	15 11 11	19° 4'36	20° 2	25° 1	5°59	19°25	24°19	7°16	29°20	3°11	1°52	4°11	4°55	20° 7	27°35	M 3
T 4	15 15 7	20° 2'13	2♎51	25°43	7° 6	20°10	24°23	7°12	29°18	3°13	1°52	4° 9	4°52	20°14	27°32	T 4
W 5	15 19 4	20°59'48	15°27	26°28	8°13	20°55	24°27	7° 8	29°16	3°15	1°52	4° 7	4°49	20°21	27°29	W 5
T 6	15 23 1	21°57'23	27°49	27°17	9°20	21°39	24°31	7° 3	29°13	3°17	1°D52	4° 6	4°46	20°27	27°26	T 6
F 7	15 26 57	22°54'56	10♏ 1	28°10	10°27	22°24	24°35	6°59	29°11	3°19	1°52	4° 4	4°43	20°34	27°24	F 7
S 8	15 30 54	23°52'27	22° 4	29° 6	11°35	23° 9	24°39	6°55	29° 9	3°21	1°52	4° 3	4°40	20°41	27°21	S 8
S 9	15 34 50	24°49'58	4♐ 0	0♉ 5	12°42	23°53	24°43	6°51	29° 7	3°24	1°52	4°D 3	4°36	20°47	27°18	S 9
M10	15 38 47	25°47'28	15°51	1° 8	13°50	24°38	24°48	6°46	29° 4	3°26	1°52	4° 3	4°33	20°54	27°15	M10
T 11	15 42 43	26°44'56	27°39	2°14	14°58	25°22	24°53	6°42	29° 2	3°28	1°52	4° 4	4°30	21° 1	27°12	T 11
W12	15 46 40	27°42'24	9♑27	3°22	16° 6	26° 6	24°58	6°38	29° 0	3°30	1°53	4° 5	4°27	21° 7	27° 8	W12
T 13	15 50 37	28°39'51	21°19	4°34	17°13	26°51	25° 3	6°33	28°58	3°32	1°53	4° 5	4°24	21°14	27° 5	T 13
F 14	15 54 33	29°37'17	3♒19	5°49	18°22	27°35	25° 8	6°29	28°56	3°34	1°53	4° 6	4°20	21°21	27° 2	F 14
S 15	15 58 30	0♊34'42	15°29	7° 6	19°30	28°19	25°13	6°25	28°54	3°36	1°53	4° 6	4°17	21°27	26°59	S 15
S 16	16 2 26	1°32'06	27°54	8°27	20°38	29° 3	25°19	6°20	28°52	3°38	1°54	4°R 6	4°14	21°34	26°55	S 16
M17	16 6 23	2°29'30	10♓39	9°50	21°46	29°48	25°24	6°16	28°50	3°40	1°54	4° 6	4°11	21°41	26°52	M17
T 18	16 10 19	3°26'53	23°47	11°16	22°55	0♉32	25°30	6°11	28°48	3°42	1°54	4° 6	4° 8	21°47	26°49	T 18
W19	16 14 16	4°24'15	7♈20	12°45	24° 3	1°16	25°36	6° 7	28°46	3°44	1°55	4°D 6	4° 5	21°54	26°45	W19
T 20	16 18 12	5°21'37	21°20	14°17	25°12	2° 0	25°42	6° 3	28°44	3°46	1°55	4° 6	4° 1	22° 0	26°42	T 20
F 21	16 22 9	6°18'58	5♉45	15°51	26°21	2°43	25°48	5°58	28°42	3°48	1°55	4° 6	3°58	22° 7	26°38	F 21
S 22	16 26 5	7°16'19	20°32	17°28	27°30	3°27	25°55	5°54	28°41	3°50	1°56	4° 7	3°55	22°14	26°34	S 22
S 23	16 30 2	8°13'39	5♊34	19° 8	28°39	4°11	26° 1	5°49	28°39	3°52	1°56	4°R 7	3°52	22°20	26°31	S 23
M24	16 33 59	9°10'59	20°44	20°50	29°47	4°55	26° 8	5°45	28°37	3°54	1°57	4° 6	3°49	22°27	26°27	M24
T 25	16 37 55	10° 8'18	5♋50	22°35	0♉57	5°38	26°15	5°41	28°35	3°56	1°58	4° 6	3°46	22°34	26°24	T 25
W26	16 41 52	11° 5'36	20°46	24°23	2° 6	6°22	26°22	5°36	28°34	3°58	1°58	4° 5	3°42	22°40	26°20	W26
T 27	16 45 48	12° 2'53	5♌23	26°13	3°15	7° 6	26°29	5°32	28°32	4° 0	1°59	4° 5	3°39	22°47	26°16	T 27
F 28	16 49 45	13° 0'09	19°37	28° 6	4°24	7°49	26°36	5°27	28°31	4° 2	1°59	4° 4	3°36	22°54	26°12	F 28
S 29	16 53 41	13°57'24	3♍26	0♊ 1	5°34	8°32	26°43	5°23	28°29	4° 3	2° 0	4° 3	3°33	23° 0	26° 9	S 29
S 30	16 57 38	14°54'39	16°50	1°59	6°43	9°16	26°51	5°19	28°28	4° 5	2° 1	4°D 3	3°30	23° 7	26° 5	S 30
M31	17 1 35	15♊51'52	29♍50	3♊58	7♉52	9♉59	26♌58	5♐14	28♎26	4♉ 7	2♍ 2	4♊ 3	3♊26	23♐14	26♐ 1	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	17n 2	18n36	5n11	6n15	3s15	0s 4	1s43	6n16	0s51	14n41	1n15	19s50	1n50	10s50	0n31	10n55	1s47	23n59	14n 8	21n 5	21n14	24s29	17s26	6n 5	S 1
S 2	17 18	13 53	5 16	6 24	3 19	0n20	1 45	6 34	0 51	14 40	1 14	19 49	1 50	10 49	0 31	10 56	1 47	23 58	14 7	21 5	21 13	24 30	17 26	6 6	S 2
M 3	17 34	8 37	5 4	6 35	3 22	0 45	1 47	6 51	0 50	14 38	1 14	19 48	1 50	10 48	0 31	10 57	1 47	23 58	14 7	21 4	21 13	24 31	17 25	6 6	M 3
T 4	17 50	3 6	4 37	6 48	3 25	1 9	1 49	7 9	0 50	14 37	1 14	19 48	1 50	10 47	0 31	10 58	1 47	23 58	14 7	21 4	21 12	24 33	17 25	6 7	T 4
W 5	18 5	2s27	3 58	7 3	3 26	1 34	1 51	7 26	0 50	14 35	1 14	19 47	1 50	10 46	0 31	10 58	1 47	23 58	14 6	21 4	21 11	24 34	17 24	6 7	W 5
T 6	18 20	7 49	3 8	7 20	3 27	1 59	1 53	7 43	0 49	14 34	1 14	19 46	1 50	10 46	0 31	10 59	1 47	23 57	14 6	21 3	21 11	24 35	17 24	6 7	T 6
F 7	18 35	12 50	2 9	7 39	3 27	2 24	1 55	8 0	0 49	14 32	1 14	19 45	1 50	10 45	0 31	11 0	1 47	23 57	14 6	21 3	21 10	24 37	17 23	6 8	F 7
S 8	18 49	17 18	1 6	8 0	3 26	2 49	1 57	8 17	0 48	14 31	1 13	19 45	1 50	10 44	0 31	11 1	1 47	23 56	14 5	21 3	21 10	24 38	17 23	6 8	S 8
S 9	19 3	21 2	0 0	8 22	3 24	3 14	1 58	8 34	0 48	14 29	1 13	19 44	1 50	10 43	0 31	11 1	1 47	23 56	14 5	21 3	21 9	24 39	17 22	6 9	S 9
M10	19 17	23 52	1s 5	8 46	3 22	3 39	2 0	8 51	0 47	14 27	1 13	19 43	1 50	10 42	0 31	11 2	1 47	23 56	14 4	21 3	21 8	24 41	17 22	6 9	M10
T 11	19 31	25 39	2 7	9 11	3 19	4 4	2 1	9 8	0 47	14 26	1 13	19 43	1 50	10 42	0 31	11 3	1 47	23 55	14 4	21 3	21 8	24 42	17 21	6 10	T 11
W12	19 44	26 16	3 4	9 38	3 15	4 29	2 2	9 24	0 46	14 24	1 13	19 42	1 50	10 41	0 31	11 3	1 47	23 55	14 4	21 3	21 7	24 43	17 21	6 10	W12
T 13	19 57	25 41	3 53	10 6	3 11	4 54	2 3	9 41	0 46	14 22	1 13	19 41	1 50	10 40	0 31	11 4	1 47	23 55	14 3	21 3	21 7	24 44	17 20	6 10	T 13
F 14	20 9	23 55	4 33	10 36	3 6	5 19	2 4	9 57	0 45	14 20	1 12	19 41	1 50	10 40	0 31	11 5	1 47	23 54	14 3	21 3	21 6	24 46	17 20	6 11	F 14
S 15	20 22	21 3	5 1	11 7	3 0	5 44	2 5	10 14	0 45	14 18	1 12	19 40	1 50	10 39	0 31	11 5	1 47	23 54	14 3	21 3	21 6	24 47	17 19	6 11	S 15
S 16	20 33	17 11	5 16	11 38	2 54	6 9	2 6	10 30	0 44	14 16	1 12	19 39	1 50	10 38	0 31	11 6	1 47	23 53	14 2	21 3	21 5	24 48	17 19	6 11	S 16
M17	20 45	12 28	5 16	12 11	2 47	6 34	2 7	10 46	0 43	14 14	1 12	19 39	1 50	10 38	0 31	11 7	1 47	23 53	14 2	21 3	21 4	24 50	17 19	6 12	M17
T 18	20 56	7 3	4 59	12 45	2 40	6 59	2 7	11 2	0 43	14 12	1 12	19 38	1 50	10 37	0 31	11 7	1 47	23 52	14 2	21 3	21 4	24 51	17 18	6 12	T 18
W19	21 7	1 9	4 26	13 19	2 32	7 23	2 8	11 18	0 42	14 10	1 12	19 37	1 50	10 36	0 31	11 8	1 47	23 52	14 1	21 3	21 3	24 52	17 18	6 12	W19
T 20	21 17	5n 1	3 36	13 54	2 24	7 48	2 8	11 34	0 42	14 8	1 11	19 36	1 50	10 36	0 31	11 9	1 47	23 51	14 1	21 3	21 3	24 53	17 17	6 13	T 20
F 21	21 27	11 7	2 31	14 30	2 15	8 13	2 9	11 49	0 41	14 5	1 11	19 36	1 50	10 35	0 31	11 9	1 47	23 51	14 0	21 3	21 2	24 55	17 17	6 13	F 21
S 22	21 37	16 46	1 15	15 6	2 6	8 37	2 9	12 5	0 41	14 3	1 11	19 35	1 50	10 34	0 31	11 10	1 47	23 50	14 0	21 4	21 1	24 56	17 17	6 13	S 22
S 23	21 46	21 28	0n 8	15 43	1 56	9 2	2 9	12 20	0 40	14 1	1 11	19 34	1 49	10 34	0 31	11 11	1 47	23 50	14 0	21 4	21 1	24 57	17 16	6 14	S 23
M24	21 55	24 44	1 31	16 20	1 46	9 26	2 9	12 36	0 40	13 58	1 11	19 34	1 49	10 33	0 31	11 11	1 48	23 49	13 59	21 3	21 0	24 58	17 16	6 14	M24
T 25	22 4	26 12	2 47	16 57	1 36	9 50	2 9	12 51	0 39	13 56	1 11	19 33	1 49	10 33	0 31	11 12	1 48	23 49	13 59	21 3	21 0	24 59	17 15	6 14	T 25
W26	22 12	25 44	3 51	17 34	1 25	10 15	2 9	13 6	0 38	13 53	1 11	19 32	1 49	10 32	0 31	11 12	1 48	23 48	13 59	21 3	20 59	25 1	17 15	6 14	W26
T 27	22 20	23 30	4 38	18 11	1 14	10 38	2 8	13 21	0 38	13 51	1 10	19 32	1 49	10 31	0 31	11 13	1 48	23 47	13 58	21 3	20 58	25 2	17 15	6 15	T 27
F 28	22 27	19 51	5 7	18 47	1 3	11 2	2 8	13 35	0 37	13 48	1 10	19 31	1 49	10 31	0 31	11 14	1 48	23 47	13 58	21 3	20 58	25 3	17 14	6 15	F 28
S 29	22 34	15 13	5 17	19 23	0 52	11 26	2 7	13 50	0 37	13 46	1 10	19 30	1 49	10 30	0 31	11 14	1 48	23 46	13 57	21 3	20 57	25 4	17 14	6 15	S 29
S 30	22 41	9 58	5 9	19 59	0 41	11 49	2 7	14 4	0 36	13 43	1 10	19 30	1 49	10 30	0 31	11 15	1 48	23 46	13 57	21 3	20 57	25 5	17 14	6 15	S 30
M31	22n47	4n26	4n46	20n33	0s30	12n12	2s 6	14n19	0s35	13n40	1n10	19s29	1n49	10s29	0n30	11n15	1s48	23n45	13n57	21n 3	20n56	25s 7	17s13	6n16	M31

Julian Day Number = 2167148.5, Delta T = 12m39s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°52'56, Lahiri = 12°59'56 Julian Calendar 1 May 1221 == Greg. Calendar 8 May 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

JUNE 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 31	16♊49'05	12♎31	6♊ 0	9♉ 2	10♉42	27♌ 6	5°R10	28°R25	4♉ 9	2♍ 2	4♊ 4	3♊23	23♐20	25°R57	T 1
W 2	17 9 28	17°46'17	24°54	8° 4	10°12	11°25	27°14	5♐ 6	28♎23	4°11	2° 3	4° 5	3°20	23°27	25♐53	W 2
T 3	17 13 24	18°43'29	7♏ 5	10°10	11°21	12° 8	27°22	5° 2	28°22	4°12	2° 4	4° 7	3°17	23°34	25°49	T 3
F 4	17 17 21	19°40'40	19° 5	12°17	12°31	12°51	27°30	4°57	28°21	4°14	2° 5	4° 8	3°14	23°40	25°46	F 4
S 5	17 21 17	20°37'51	0♐59	14°25	13°41	13°34	27°38	4°53	28°20	4°16	2° 6	4°R 8	3°11	23°47	25°42	S 5
S 6	17 25 14	21°35'01	12°49	16°35	14°51	14°17	27°46	4°49	28°18	4°17	2° 7	4° 8	3° 7	23°54	25°38	S 6
M 7	17 29 10	22°32'11	24°37	18°45	16° 1	15° 0	27°54	4°45	28°17	4°19	2° 8	4° 7	3° 4	24° 0	25°34	M 7
T 8	17 33 7	23°29'21	6♑26	20°56	17°11	15°43	28° 3	4°41	28°16	4°21	2° 9	4° 5	3° 1	24° 7	25°30	T 8
W 9	17 37 4	24°26'31	18°18	23° 7	18°21	16°26	28°11	4°37	28°15	4°22	2°10	4° 2	2°58	24°14	25°26	W 9
T 10	17 41 0	25°23'40	0♒15	25°18	19°31	17° 8	28°20	4°33	28°14	4°24	2°11	3°59	2°55	24°20	25°22	T 10
F 11	17 44 57	26°20'50	12°19	27°29	20°42	17°51	28°29	4°29	28°13	4°25	2°12	3°55	2°52	24°27	25°18	F 11
S 12	17 48 53	27°17'59	24°34	29°39	21°52	18°33	28°38	4°25	28°12	4°27	2°13	3°52	2°48	24°34	25°14	S 12
S 13	17 52 50	28°15'09	7♓ 2	1♋48	23° 2	19°16	28°47	4°21	28°11	4°28	2°14	3°50	2°45	24°40	25°11	S 13
M14	17 56 46	29°12'19	19°46	3°56	24°13	19°58	28°56	4°17	28°11	4°30	2°15	3°48	2°42	24°47	25° 7	M14
T 15	18 0 43	0♋ 9'29	2♈50	6° 3	25°23	20°40	29° 5	4°14	28°10	4°31	2°16	3°D48	2°39	24°53	25° 3	T 15
W16	18 4 39	1° 6'39	16°16	8° 9	26°34	21°23	29°15	4°10	28° 9	4°33	2°17	3°49	2°36	25° 0	24°59	W16
T 17	18 8 36	2° 3'50	0♉ 6	10°13	27°44	22° 5	29°24	4° 6	28° 8	4°34	2°19	3°50	2°32	25° 7	24°55	T 17
F 18	18 12 33	3° 1'01	14°21	12°16	28°55	22°47	29°34	4° 3	28° 8	4°36	2°20	3°51	2°29	25°13	24°51	F 18
S 19	18 16 29	3°58'13	28°59	14°17	0♊ 6	23°29	29°43	3°59	28° 7	4°37	2°21	3°R52	2°26	25°20	24°47	S 19
S 20	18 20 26	4°55'25	13♊56	16°16	1°17	24°11	29°53	3°56	28° 7	4°38	2°22	3°52	2°23	25°27	24°44	S 20
M21	18 24 22	5°52'37	29° 5	18°13	2°28	24°53	0♍ 3	3°52	28° 6	4°40	2°24	3°50	2°20	25°33	24°40	M21
T 22	18 28 19	6°49'50	14♋17	20° 9	3°39	25°35	0°13	3°49	28° 6	4°41	2°25	3°47	2°17	25°40	24°36	T 22
W23	18 32 15	7°47'03	29°21	22° 3	4°50	26°17	0°23	3°46	28° 5	4°42	2°26	3°43	2°13	25°47	24°32	W23
T 24	18 36 12	8°44'16	14♌10	23°54	6° 1	26°58	0°33	3°42	28° 5	4°43	2°28	3°38	2°10	25°53	24°29	T 24
F 25	18 40 9	9°41'29	28°34	25°44	7°12	27°40	0°43	3°39	28° 5	4°45	2°29	3°33	2° 7	26° 0	24°25	F 25
S 26	18 44 5	10°38'42	12♍32	27°32	8°23	28°22	0°53	3°36	28° 5	4°46	2°31	3°29	2° 4	26° 7	24°21	S 26
S 27	18 48 2	11°35'55	26° 1	29°18	9°34	29° 3	1° 4	3°33	28° 4	4°47	2°32	3°26	2° 1	26°13	24°18	S 27
M28	18 51 58	12°33'08	9♎ 3	1♌ 3	10°45	29°45	1°14	3°30	28° 4	4°48	2°34	3°D25	1°58	26°20	24°14	M28
T 29	18 55 55	13°30'22	21°42	2°45	11°57	0♊26	1°24	3°27	28° 4	4°49	2°35	3°25	1°54	26°27	24°10	T 29
W30	18 59 51	14♋27'35	4♏ 1	4♌26	13♊ 8	1♊ 7	1♍35	3♐24	28°D 4	4♉50	2♍37	3♊27	1♊51	26♐33	24♐ 7	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	1s 9	4n 9	21n 6	0s18	12n35	2s 5	14n33	0s35	13n37	1n10	19s28	1n49	10s29	0n30	11n16	1s48	23n45	13n56	21n 3	20n55	25s 8	17s13	6n16
W 2	22 59	6 34	3 21	21 38	0 7	12 58	2 5	14 47	0 34	13 35	1 10	19 28	1 49	10 28	0 30	11 16	1 48	23 44	13 56	21 3	20 55	25 9	17 13	6 16
T 3	23 4	11 40	2 24	22 8	0n 4	13 20	2 4	15 1	0 34	13 32	1 9	19 27	1 48	10 28	0 30	11 17	1 48	23 43	13 56	21 4	20 54	25 10	17 12	6 16
F 4	23 8	16 15	1 22	22 36	0 15	13 43	2 3	15 14	0 33	13 29	1 9	19 26	1 48	10 28	0 30	11 18	1 48	23 43	13 55	21 4	20 53	25 11	17 12	6 16
S 5	23 13	20 10	0 17	23 2	0 25	14 5	2 2	15 28	0 32	13 26	1 9	19 26	1 48	10 27	0 30	11 18	1 48	23 42	13 55	21 4	20 53	25 12	17 12	6 17
S 6	23 16	23 13	0s48	23 27	0 35	14 26	2 1	15 41	0 32	13 23	1 9	19 25	1 48	10 27	0 30	11 19	1 48	23 41	13 55	21 4	20 52	25 14	17 12	6 17
M 7	23 20	25 17	1 51	23 48	0 45	14 48	1 59	15 55	0 31	13 20	1 9	19 24	1 48	10 26	0 30	11 19	1 48	23 41	13 54	21 4	20 52	25 15	17 11	6 17
T 8	23 23	26 12	2 49	24 8	0 54	15 9	1 58	16 8	0 30	13 17	1 9	19 24	1 48	10 26	0 30	11 20	1 48	23 40	13 54	21 3	20 51	25 16	17 11	6 17
W 9	23 25	25 55	3 40	24 24	1 3	15 30	1 57	16 21	0 30	13 14	1 9	19 23	1 48	10 26	0 30	11 20	1 48	23 39	13 54	21 3	20 50	25 17	17 11	6 17
T 10	23 28	24 27	4 22	24 38	1 11	15 50	1 55	16 34	0 29	13 10	1 9	19 23	1 48	10 25	0 30	11 21	1 48	23 39	13 53	21 2	20 50	25 18	17 11	6 17
F 11	23 29	21 51	4 52	24 49	1 18	16 10	1 54	16 46	0 28	13 7	1 8	19 22	1 47	10 25	0 30	11 21	1 48	23 38	13 53	21 1	20 49	25 19	17 10	6 17
S 12	23 31	18 15	5 10	24 57	1 25	16 30	1 52	16 59	0 28	13 4	1 8	19 21	1 47	10 25	0 30	11 22	1 48	23 37	13 53	21 1	20 49	25 20	17 10	6 17
S 13	23 32	13 49	5 14	25 2	1 31	16 50	1 51	17 11	0 27	13 1	1 8	19 21	1 47	10 24	0 30	11 22	1 48	23 36	13 52	21 0	20 48	25 21	17 10	6 17
M14	23 32	8 42	5 2	25 5	1 36	17 9	1 49	17 23	0 26	12 57	1 8	19 20	1 47	10 24	0 30	11 22	1 48	23 36	13 52	21 0	20 47	25 22	17 10	6 17
T 15	23 32	3 4	4 35	25 5	1 41	17 27	1 47	17 35	0 26	12 54	1 8	19 20	1 47	10 24	0 30	11 23	1 48	23 35	13 52	21 0	20 47	25 24	17 10	6 17
W16	23 32	2n51	3 52	25 2	1 44	17 46	1 45	17 47	0 25	12 51	1 8	19 19	1 47	10 24	0 30	11 23	1 48	23 34	13 51	21 0	20 46	25 25	17 10	6 18
T 17	23 32	8 50	2 55	24 56	1 47	18 4	1 43	17 58	0 24	12 47	1 8	19 19	1 47	10 23	0 30	11 24	1 49	23 34	13 51	21 0	20 45	25 26	17 9	6 18
F 18	23 30	14 32	1 45	24 48	1 50	18 21	1 42	18 10	0 24	12 44	1 8	19 18	1 46	10 23	0 30	11 24	1 49	23 33	13 51	21 1	20 45	25 27	17 9	6 18
S 19	23 29	19 35	0 27	24 37	1 51	18 38	1 40	18 21	0 23	12 40	1 8	19 18	1 46	10 23	0 30	11 25	1 49	23 32	13 51	21 1	20 44	25 28	17 9	6 18
S 20	23 27	23 29	0n55	24 24	1 52	18 55	1 37	18 32	0 22	12 37	1 7	19 17	1 46	10 23	0 30	11 25	1 49	23 31	13 50	21 1	20 44	25 29	17 9	6 18
M21	23 25	25 46	2 14	24 9	1 53	19 11	1 35	18 43	0 22	12 33	1 7	19 17	1 46	10 23	0 30	11 25	1 49	23 31	13 50	21 0	20 43	25 30	17 9	6 18
T 22	23 22	26 8	3 23	23 52	1 52	19 27	1 33	18 54	0 21	12 30	1 7	19 16	1 46	10 23	0 30	11 26	1 49	23 30	13 50	21 0	20 42	25 31	17 9	6 18
W23	23 19	24 34	4 18	23 33	1 51	19 42	1 31	19 5	0 20	12 26	1 7	19 16	1 46	10 23	0 30	11 26	1 49	23 29	13 49	20 59	20 42	25 32	17 9	6 17
T 24	23 15	21 20	4 54	23 13	1 49	19 57	1 29	19 15	0 19	12 22	1 7	19 15	1 45	10 23	0 30	11 26	1 49	23 28	13 49	20 58	20 41	25 33	17 8	6 17
F 25	23 11	16 52	5 10	22 50	1 47	20 11	1 26	19 25	0 19	12 19	1 7	19 15	1 45	10 22	0 30	11 27	1 49	23 27	13 49	20 57	20 40	25 34	17 8	6 17
S 26	23 7	11 37	5 8	22 27	1 44	20 25	1 24	19 35	0 18	12 15	1 7	19 15	1 45	10 22	0 30	11 27	1 49	23 27	13 49	20 56	20 40	25 35	17 8	6 17
S 27	23 2	5 59	4 48	22 1	1 41	20 38	1 22	19 45	0 17	12 11	1 7	19 14	1 45	10 22	0 30	11 27	1 49	23 26	13 48	20 56	20 39	25 36	17 8	6 17
M28	22 57	0 17	4 14	21 35	1 37	20 51	1 19	19 55	0 17	12 7	1 7	19 14	1 45	10 22	0 30	11 28	1 49	23 25	13 48	20 56	20 39	25 37	17 8	6 17
T 29	22 51	5s17	3 28	21 7	1 32	21 3	1 17	20 4	0 16	12 3	1 7	19 13	1 45	10 22	0 30	11 28	1 49	23 24	13 48	20 56	20 38	25 38	17 8	6 17
W30	22n45	10s30	2n33	20n39	1n27	21n15	1s14	20n13	0s15	11n59	1n 6	19s13	1n44	10s22	0n30	11n28	1s49	23n23	13n48	20n56	20n37	25s39	17s 8	6n17

Julian Day Number = 2167179.5, Delta T = 12m39s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'00, Lahiri = 13°00'01 Julian Calendar 1 June 1221 == Greg. Calendar 8 June 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

JULY 1221 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 48	15♋24'49	16♏ 6	6♌ 4	14♊19	1♊48	1♍46	3°R22	28♎ 4	4♉51	2♍38	3♊28	1♊48	26♐40	24°R 3	T 1
F 2	19 7 44	16°22'04	28° 1	7°41	15°31	2°30	1°56	3♐19	28° 4	4°52	2°40	3°R29	1°45	26°47	24♐ 0	F 2
S 3	19 11 41	17°19'18	9♐50	9°16	16°42	3°11	2° 7	3°17	28° 5	4°53	2°41	3°29	1°42	26°53	23°57	S 3
S 4	19 15 38	18°16'34	21°38	10°49	17°54	3°52	2°18	3°14	28° 5	4°54	2°43	3°27	1°38	27° 0	23°53	S 4
M 5	19 19 34	19°13'49	3♑26	12°20	19° 6	4°33	2°29	3°12	28° 5	4°55	2°45	3°23	1°35	27° 7	23°50	M 5
T 6	19 23 31	20°11'06	15°19	13°49	20°17	5°13	2°40	3° 9	28° 5	4°56	2°46	3°18	1°32	27°13	23°47	T 6
W 7	19 27 27	21° 8'23	27°18	15°16	21°29	5°54	2°51	3° 7	28° 6	4°57	2°48	3°10	1°29	27°20	23°43	W 7
T 8	19 31 24	22° 5'40	9♒24	16°41	22°41	6°35	3° 2	3° 5	28° 6	4°57	2°50	3° 1	1°26	27°27	23°40	T 8
F 9	19 35 20	23° 2'59	21°39	18° 4	23°53	7°16	3°14	3° 3	28° 7	4°58	2°51	2°52	1°23	27°33	23°37	F 9
S 10	19 39 17	24° 0'18	4♓ 5	19°26	25° 5	7°56	3°25	3° 1	28° 7	4°59	2°53	2°44	1°19	27°40	23°34	S 10
S 11	19 43 13	24°57'38	16°41	20°45	26°16	8°37	3°36	2°59	28° 8	5° 0	2°55	2°37	1°16	27°47	23°31	S 11
M12	19 47 10	25°55'00	29°31	22° 2	27°28	9°17	3°48	2°57	28° 8	5° 0	2°57	2°31	1°13	27°53	23°28	M12
T 13	19 51 7	26°52'22	12♈37	23°17	28°41	9°57	3°59	2°55	28° 9	5° 1	2°58	2°28	1°10	28° 0	23°25	T 13
W14	19 55 3	27°49'46	25°59	24°29	29°53	10°38	4°11	2°54	28°10	5° 2	3° 0	2°D27	1° 7	28° 7	23°22	W14
T 15	19 59 0	28°47'11	9♉42	25°40	1♋ 5	11°18	4°22	2°52	28°11	5° 2	3° 2	2°28	1° 4	28°13	23°20	T 15
F 16	20 2 56	29°44'37	23°44	26°48	2°17	11°58	4°34	2°51	28°11	5° 3	3° 4	2°29	1° 0	28°20	23°17	F 16
S 17	20 6 53	0♌42'05	8♊ 7	27°54	3°29	12°38	4°46	2°49	28°12	5° 3	3° 6	2°R29	0°57	28°27	23°14	S 17
S 18	20 10 49	1°39'34	22°48	28°57	4°42	13°18	4°57	2°48	28°13	5° 4	3° 7	2°27	0°54	28°33	23°11	S 18
M19	20 14 46	2°37'04	7♋43	29°57	5°54	13°58	5° 9	2°47	28°14	5° 4	3° 9	2°23	0°51	28°40	23° 9	M19
T 20	20 18 42	3°34'36	22°44	0♍55	7° 7	14°38	5°21	2°46	28°15	5° 5	3°11	2°17	0°48	28°47	23° 6	T 20
W21	20 22 39	4°32'09	7♌43	1°50	8°19	15°18	5°33	2°45	28°16	5° 5	3°13	2° 9	0°44	28°53	23° 4	W21
T 22	20 26 36	5°29'42	22°30	2°42	9°32	15°57	5°45	2°44	28°17	5° 5	3°15	1°59	0°41	29° 0	23° 2	T 22
F 23	20 30 32	6°27'17	6♍56	3°30	10°44	16°37	5°57	2°43	28°19	5° 6	3°17	1°50	0°38	29° 7	22°59	F 23
S 24	20 34 29	7°24'53	20°58	4°15	11°57	17°16	6° 9	2°42	28°20	5° 6	3°19	1°41	0°35	29°13	22°57	S 24
S 25	20 38 25	8°22'30	4♎31	4°57	13°10	17°56	6°21	2°42	28°21	5° 6	3°21	1°34	0°32	29°20	22°55	S 25
M26	20 42 22	9°20'07	17°36	5°35	14°22	18°35	6°33	2°41	28°22	5° 6	3°23	1°30	0°29	29°27	22°53	M26
T 27	20 46 18	10°17'46	0♏17	6° 9	15°35	19°14	6°46	2°41	28°24	5° 7	3°25	1°28	0°25	29°33	22°51	T 27
W28	20 50 15	11°15'26	12°36	6°39	16°48	19°54	6°58	2°41	28°25	5° 7	3°27	1°D28	0°22	29°40	22°49	W28
T 29	20 54 11	12°13'07	24°40	7° 4	18° 1	20°33	7°10	2°40	28°27	5° 7	3°29	1°28	0°19	29°47	22°47	T 29
F 30	20 58 8	13°10'49	6♐34	7°25	19°14	21°12	7°23	2°40	28°28	5° 7	3°31	1°R28	0°16	29°53	22°45	F 30
S 31	21 2 5	14♌ 8'32	18♐22	7♍41	20♋27	21♊51	7♍35	2°D40	28♎30	5♉ 7	3♍33	1♊27	0♊13	29♐59	22♐44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	22n39	15s14	1n33	20n 9	1n22	21n26	1s12	20n23	0s14	11n56	1n 6	19s13	1n44	10s22	0n29	11n29	1s49	23n23	13n47	20n56	20n37	25s40	17s 8	6n17	
F 2	22 32	19 19	0 30	19 39	1 16	21 36	1 9	20 32	0 14	11 52	1 6	19 12	1 44	10 23	0 29	11 29	1 49	23 22	13 47	20 56	20 36	25 41	17 8	6 17	
S 3	22 25	22 35	0s34	19 8	1 9	21 46	1 7	20 40	0 13	11 48	1 6	19 12	1 44	10 23	0 29	11 29	1 49	23 21	13 47	20 56	20 35	25 42	17 8	6 17	
S 4	22 17	24 53	1 37	18 36	1 3	21 55	1 4	20 49	0 12	11 44	1 6	19 12	1 44	10 23	0 29	11 29	1 49	23 20	13 47	20 56	20 35	25 43	17 8	6 16	
M 5	22 9	26 5	2 35	18 4	0 55	22 4	1 1	20 57	0 11	11 40	1 6	19 12	1 43	10 23	0 29	11 30	1 50	23 19	13 46	20 55	20 34	25 44	17 8	6 16	
T 6	22 1	26 4	3 26	17 31	0 48	22 12	0 59	21 5	0 11	11 36	1 6	19 11	1 43	10 23	0 29	11 30	1 50	23 19	13 46	20 54	20 33	25 45	17 8	6 16	
W 7	21 52	24 52	4 9	16 58	0 40	22 20	0 56	21 13	0 10	11 31	1 6	19 11	1 43	10 23	0 29	11 30	1 50	23 18	13 46	20 53	20 33	25 46	17 8	6 16	
T 8	21 43	22 29	4 41	16 24	0 31	22 27	0 53	21 21	0 9	11 27	1 6	19 11	1 43	10 23	0 29	11 30	1 50	23 17	13 46	20 51	20 32	25 47	17 8	6 16	
F 9	21 34	19 5	5 1	15 50	0 23	22 33	0 51	21 29	0 8	11 23	1 6	19 11	1 43	10 24	0 29	11 31	1 50	23 16	13 45	20 49	20 31	25 48	17 8	6 15	
S 10	21 24	14 48	5 6	15 17	0 14	22 39	0 48	21 36	0 8	11 19	1 6	19 11	1 42	10 24	0 29	11 31	1 50	23 15	13 45	20 48	20 31	25 49	17 8	6 15	
S 11	21 14	9 50	4 57	14 43	0 4	22 44	0 45	21 43	0 7	11 15	1 6	19 10	1 42	10 24	0 29	11 31	1 50	23 14	13 45	20 46	20 30	25 49	17 8	6 15	
M12	21 3	4 22	4 33	14 9	0s 5	22 49	0 42	21 50	0 6	11 11	1 6	19 10	1 42	10 24	0 29	11 31	1 50	23 14	13 45	20 45	20 29	25 50	17 8	6 15	
T 13	20 52	1n24	3 55	13 35	0 15	22 53	0 39	21 57	0 5	11 6	1 6	19 10	1 42	10 25	0 29	11 31	1 50	23 13	13 45	20 45	20 29	25 51	17 8	6 15	
W14	20 41	7 15	3 3	13 1	0 25	22 56	0 37	22 4	0 4	11 2	1 5	19 10	1 42	10 25	0 29	11 31	1 50	23 12	13 45	20 44	20 28	25 52	17 9	6 14	
T 15	20 29	12 54	1 59	12 28	0 35	22 58	0 34	22 10	0 4	10 58	1 5	19 10	1 41	10 25	0 29	11 32	1 50	23 11	13 44	20 45	20 28	25 53	17 9	6 14	
F 16	20 17	18 2	0 47	11 55	0 46	23 0	0 31	22 16	0 3	10 53	1 5	19 10	1 41	10 25	0 29	11 32	1 50	23 10	13 44	20 45	20 27	25 54	17 9	6 14	
S 17	20 5	22 15	0n30	11 22	0 56	23 2	0 28	22 22	0 2	10 49	1 5	19 10	1 41	10 26	0 29	11 32	1 50	23 9	13 44	20 45	20 26	25 55	17 9	6 14	
S 18	19 53	25 7	1 47	10 50	1 7	23 2	0 25	22 28	0 1	10 45	1 5	19 10	1 41	10 26	0 29	11 32	1 50	23 8	13 44	20 44	20 26	25 56	17 9	6 13	
M19	19 40	26 15	2 57	10 19	1 18	23 2	0 23	22 34	0 0	10 40	1 5	19 10	1 40	10 27	0 29	11 32	1 50	23 8	13 44	20 44	20 25	25 56	17 9	6 13	
T 20	19 26	25 29	3 55	9 48	1 30	23 1	0 20	22 39	0n 0	10 36	1 5	19 10	1 40	10 27	0 29	11 32	1 50	23 7	13 44	20 42	20 24	25 57	17 9	6 13	
W21	19 13	22 52	4 37	9 18	1 41	23 0	0 17	22 45	0 1	10 31	1 5	19 10	1 40	10 27	0 29	11 32	1 51	23 6	13 43	20 41	20 24	25 58	17 9	6 13	
T 22	18 59	18 47	5 0	8 49	1 52	22 58	0 14	22 50	0 2	10 27	1 5	19 10	1 40	10 28	0 29	11 32	1 51	23 5	13 43	20 39	20 23	25 59	17 10	6 12	
F 23	18 44	13 40	5 2	8 21	2 4	22 55	0 11	22 55	0 3	10 22	1 5	19 10	1 40	10 28	0 29	11 32	1 51	23 4	13 43	20 37	20 22	26 0	17 10	6 12	
S 24	18 30	7 59	4 47	7 54	2 15	22 52	0 8	22 59	0 4	10 18	1 5	19 10	1 39	10 29	0 29	11 32	1 51	23 3	13 43	20 35	20 22	26 1	17 10	6 12	
S 25	18 15	2 6	4 15	7 28	2 26	22 48	0 6	23 4	0 4	10 13	1 5	19 10	1 39	10 29	0 29	11 32	1 51	23 3	13 43	20 34	20 21	26 1	17 10	6 11	
M26	18 0	3s41	3 31	7 3	2 38	22 43	0 3	23 8	0 5	10 9	1 5	19 10	1 39	10 30	0 29	11 32	1 51	23 2	13 43	20 33	20 20	26 2	17 10	6 11	
T 27	17 44	9 9	2 38	6 41	2 49	22 37	0 0	23 12	0 6	10 4	1 5	19 10	1 39	10 30	0 29	11 32	1 51	23 1	13 43	20 33	20 20	26 3	17 11	6 11	
W28	17 28	14 7	1 39	6 19	3 0	22 31	0n 3	23 16	0 7	10 0	1 5	19 10	1 39	10 31	0 29	11 32	1 51	23 0	13 43	20 32	20 19	26 4	17 11	6 10	
T 29	17 12	18 26	0 36	6 0	3 11	22 25	0 5	23 20	0 8	9 55	1 5	19 11	1 38	10 31	0 29	11 32	1 51	22 59	13 42	20 33	20 18	26 5	17 11	6 10	
F 30	16 56	21 57	0s27	5 42	3 22	22 17	0 8	23 24	0 9	9 50	1 5	19 11	1 38	10 32	0 29	11 32	1 51	22 58	13 42	20 33	20 18	26 5	17 11	6 10	
S 31	16n39	24s30	1s29	5n27	3s32	22n 9	0n11	23n27	0n10	9n46	1n 5	19s11	1n38	10s33	0n28	11n32	1s51	22n58	13n42	20n32	20n17	26s 6	17s12	6n 9	

Julian Day Number = 2167209.5, Delta T = 12m38s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'04, Lahiri = 13°00'05 Julian Calendar 1 July 1221 == Greg. Calendar 8 July 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

AUGUST 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 1	15♌ 6'16	0♉10	7♍52	21♋40	22♊29	7♍47	2♐40	28♎32	5°R 7	3♍35	1°R23	0♊10	0♉ 7	22°R42	S 1
M 2	21 9 58	16° 4'02	12° 2	7°58	22°53	23° 8	8° 0	2°40	28°33	5♉ 7	3°37	1♊17	0° 6	0°13	22♐41	M 2
T 3	21 13 54	17° 1'49	24° 1	7°R58	24° 6	23°47	8°12	2°41	28°35	5° 7	3°39	1° 9	0° 3	0°20	22°39	T 3
W 4	21 17 51	17°59'37	6♒ 9	7°53	25°19	24°25	8°25	2°41	28°37	5° 7	3°41	0°58	0° 0	0°27	22°38	W 4
T 5	21 21 47	18°57'27	18°28	7°41	26°32	25° 4	8°37	2°41	28°39	5° 7	3°43	0°45	29♉57	0°33	22°36	T 5
F 6	21 25 44	19°55'18	0♓58	7°24	27°45	25°42	8°50	2°42	28°40	5° 7	3°45	0°32	29°54	0°40	22°35	F 6
S 7	21 29 40	20°53'11	13°40	7° 1	28°59	26°21	9° 3	2°43	28°42	5° 6	3°47	0°20	29°50	0°47	22°34	S 7
S 8	21 33 37	21°51'06	26°33	6°32	0♌12	26°59	9°15	2°43	28°44	5° 6	3°49	0° 9	29°47	0°53	22°33	S 8
M 9	21 37 34	22°49'02	9♈38	5°57	1°26	27°37	9°28	2°44	28°46	5° 6	3°51	0° 1	29°44	1° 0	22°32	M 9
T 10	21 41 30	23°47'00	22°54	5°17	2°39	28°15	9°41	2°45	28°48	5° 6	3°53	29♉56	29°41	1° 7	22°31	T 10
W11	21 45 27	24°45'00	6♉22	4°32	3°52	28°53	9°53	2°46	28°50	5° 5	3°56	29°53	29°38	1°13	22°30	W11
T 12	21 49 23	25°43'02	20° 4	3°42	5° 6	29°31	10° 6	2°47	28°53	5° 5	3°58	29°52	29°35	1°20	22°29	T 12
F 13	21 53 20	26°41'06	3♊59	2°49	6°20	0♋ 9	10°19	2°48	28°55	5° 5	4° 0	29°52	29°31	1°27	22°29	F 13
S 14	21 57 16	27°39'12	18° 9	1°54	7°33	0°47	10°32	2°50	28°57	5° 4	4° 2	29°52	29°28	1°33	22°28	S 14
S 15	22 1 13	28°37'20	2♋32	0°56	8°47	1°24	10°44	2°51	28°59	5° 4	4° 4	29°49	29°25	1°40	22°28	S 15
M16	22 5 9	29°35'30	17° 6	29♌59	10° 1	2° 2	10°57	2°53	29° 1	5° 3	4° 6	29°44	29°22	1°47	22°27	M16
T 17	22 9 6	0♍33'42	1♌45	29° 1	11°14	2°39	11°10	2°54	29° 4	5° 3	4° 8	29°37	29°19	1°53	22°27	T 17
W18	22 13 3	1°31'56	16°24	28° 6	12°28	3°17	11°23	2°56	29° 6	5° 2	4°10	29°26	29°16	2° 0	22°27	W18
T 19	22 16 59	2°30'11	0♍55	27°14	13°42	3°54	11°36	2°58	29° 9	5° 2	4°13	29°15	29°12	2° 7	22°26	T 19
F 20	22 20 56	3°28'29	15°10	26°27	14°56	4°31	11°49	3° 0	29°11	5° 1	4°15	29° 3	29° 9	2°13	22°D26	F 20
S 21	22 24 52	4°26'48	29° 5	25°46	16°10	5° 8	12° 2	3° 2	29°14	5° 1	4°17	28°52	29° 6	2°20	22°26	S 21
S 22	22 28 49	5°25'09	12♎35	25°11	17°24	5°45	12°15	3° 4	29°16	5° 0	4°19	28°44	29° 3	2°27	22°26	S 22
M23	22 32 45	6°23'31	25°40	24°43	18°38	6°22	12°28	3° 6	29°19	4°59	4°21	28°38	29° 0	2°33	22°27	M23
T 24	22 36 42	7°21'56	8♏21	24°24	19°52	6°59	12°41	3° 8	29°21	4°59	4°23	28°34	28°56	2°40	22°27	T 24
W25	22 40 38	8°20'22	20°42	24°14	21° 6	7°35	12°54	3°10	29°24	4°58	4°25	28°33	28°53	2°47	22°27	W25
T 26	22 44 35	9°18'49	2♐47	24°D13	22°20	8°12	13° 7	3°13	29°27	4°57	4°27	28°33	28°50	2°53	22°28	T 26
F 27	22 48 32	10°17'19	14°41	24°21	23°35	8°48	13°20	3°15	29°29	4°56	4°30	28°33	28°47	3° 0	22°28	F 27
S 28	22 52 28	11°15'50	26°31	24°39	24°49	9°25	13°33	3°18	29°32	4°56	4°32	28°32	28°44	3° 7	22°29	S 28
S 29	22 56 25	12°14'22	8♑21	25° 6	26° 3	10° 1	13°46	3°21	29°35	4°55	4°34	28°29	28°41	3°13	22°29	S 29
M30	23 0 21	13°12'57	20°16	25°42	27°17	10°37	13°58	3°24	29°38	4°54	4°36	28°24	28°37	3°20	22°30	M30
T 31	23 4 18	14♍11'33	2♒20	26♌26	28♌32	11♋13	14♍11	3♐26	29♎41	4♉53	4♍38	28♉16	28♉34	3♑27	22♐31	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n22	25s59	2s26	5n14	3s42	22n 1	0n13	23n30	0n10	9n41	1n 5	19s11	1n38	10s33	0n28	11n32	1s51	22n57	13n42	20n32	20n16	26s 7	17s12	6n 9
M 2	16 5	26 16	3 18	5 3	3 51	21 51	0 16	23 33	0 11	9 36	1 5	19 11	1 37	10 34	0 28	11 32	1 51	22 56	13 42	20 30	20 16	26 8	17 12	6 9
T 3	15 48	25 21	4 1	4 55	4 0	21 41	0 19	23 36	0 12	9 32	1 5	19 12	1 37	10 34	0 28	11 32	1 51	22 55	13 42	20 29	20 15	26 8	17 13	6 8
W 4	15 30	23 13	4 33	4 49	4 7	21 31	0 21	23 38	0 13	9 27	1 5	19 12	1 37	10 35	0 28	11 32	1 51	22 54	13 42	20 26	20 14	26 9	17 13	6 8
T 5	15 12	20 0	4 54	4 47	4 14	21 19	0 24	23 41	0 14	9 22	1 5	19 12	1 37	10 36	0 28	11 32	1 51	22 53	13 42	20 24	20 14	26 10	17 13	6 7
F 6	14 54	15 51	5 0	4 48	4 20	21 8	0 26	23 43	0 15	9 17	1 5	19 13	1 37	10 36	0 28	11 32	1 52	22 53	13 42	20 21	20 13	26 11	17 13	6 7
S 7	14 36	10 57	4 52	4 52	4 25	20 55	0 29	23 45	0 16	9 13	1 5	19 13	1 36	10 37	0 28	11 32	1 52	22 52	13 42	20 18	20 12	26 11	17 14	6 7
S 8	14 17	5 30	4 30	4 59	4 29	20 42	0 31	23 47	0 16	9 8	1 5	19 13	1 36	10 38	0 28	11 32	1 52	22 51	13 42	20 16	20 12	26 12	17 14	6 6
M 9	13 58	0n16	3 52	5 10	4 31	20 28	0 33	23 49	0 17	9 3	1 5	19 14	1 36	10 39	0 28	11 31	1 52	22 50	13 42	20 14	20 11	26 13	17 14	6 6
T 10	13 39	6 7	3 2	5 24	4 32	20 14	0 36	23 50	0 18	8 58	1 5	19 14	1 36	10 39	0 28	11 31	1 52	22 49	13 42	20 13	20 10	26 13	17 15	6 6
W11	13 20	11 48	2 1	5 41	4 30	19 59	0 38	23 51	0 19	8 53	1 4	19 15	1 35	10 40	0 28	11 31	1 52	22 49	13 42	20 13	20 9	26 14	17 15	6 5
T 12	13 0	17 0	0 52	6 2	4 28	19 44	0 40	23 53	0 20	8 48	1 4	19 15	1 35	10 41	0 28	11 31	1 52	22 48	13 42	20 13	20 9	26 15	17 15	6 5
F 13	12 40	21 24	0n22	6 26	4 23	19 28	0 43	23 53	0 21	8 44	1 4	19 15	1 35	10 42	0 28	11 31	1 52	22 47	13 42	20 13	20 8	26 16	17 16	6 4
S 14	12 20	24 35	1 35	6 52	4 16	19 11	0 45	23 54	0 22	8 39	1 4	19 16	1 35	10 43	0 28	11 31	1 52	22 46	13 42	20 12	20 7	26 16	17 16	6 4
S 15	12 0	26 14	2 43	7 20	4 7	18 54	0 47	23 55	0 23	8 34	1 4	19 16	1 35	10 43	0 28	11 30	1 52	22 45	13 42	20 12	20 7	26 17	17 17	6 4
M16	11 40	26 7	3 42	7 50	3 56	18 36	0 49	23 55	0 24	8 29	1 4	19 17	1 34	10 44	0 28	11 30	1 52	22 45	13 42	20 11	20 6	26 18	17 17	6 3
T 17	11 19	24 10	4 26	8 22	3 44	18 18	0 51	23 56	0 25	8 24	1 4	19 17	1 34	10 45	0 28	11 30	1 52	22 44	13 42	20 9	20 5	26 18	17 17	6 3
W18	10 59	20 38	4 53	8 54	3 30	17 59	0 53	23 56	0 26	8 19	1 4	19 18	1 34	10 46	0 28	11 30	1 52	22 43	13 42	20 7	20 5	26 19	17 18	6 2
T 19	10 38	15 52	5 0	9 26	3 14	17 40	0 55	23 56	0 26	8 14	1 4	19 19	1 34	10 47	0 28	11 29	1 52	22 42	13 42	20 5	20 4	26 19	17 18	6 2
F 20	10 17	10 18	4 49	9 58	2 57	17 20	0 57	23 55	0 27	8 9	1 5	19 19	1 33	10 48	0 28	11 29	1 52	22 41	13 42	20 2	20 3	26 20	17 19	6 1
S 21	9 55	4 20	4 20	10 29	2 39	17 0	0 59	23 55	0 28	8 4	1 5	19 20	1 33	10 49	0 28	11 29	1 52	22 41	13 42	20 0	20 3	26 21	17 19	6 1
S 22	9 34	1s39	3 38	10 58	2 21	16 39	1 1	23 54	0 29	7 59	1 5	19 20	1 33	10 50	0 28	11 29	1 52	22 40	13 42	19 58	20 2	26 21	17 19	6 1
M23	9 12	7 24	2 45	11 26	2 2	16 18	1 3	23 54	0 30	7 54	1 5	19 21	1 33	10 51	0 28	11 28	1 53	22 39	13 42	19 56	20 1	26 22	17 20	6 0
T 24	8 51	12 42	1 45	11 50	1 42	15 56	1 4	23 53	0 31	7 49	1 5	19 22	1 33	10 52	0 28	11 28	1 53	22 39	13 42	19 56	20 0	26 23	17 20	6 0
W25	8 29	17 20	0 42	12 12	1 23	15 34	1 6	23 52	0 32	7 44	1 5	19 22	1 32	10 53	0 28	11 28	1 53	22 38	13 42	19 55	20 0	26 23	17 21	5 59
T 26	8 7	21 10	0s22	12 30	1 4	15 11	1 8	23 50	0 33	7 39	1 5	19 23	1 32	10 53	0 28	11 28	1 53	22 37	13 43	19 55	19 59	26 24	17 21	5 59
F 27	7 45	24 4	1 25	12 45	0 45	14 48	1 9	23 49	0 34	7 34	1 5	19 24	1 32	10 54	0 28	11 27	1 53	22 36	13 43	19 55	19 58	26 24	17 22	5 58
S 28	7 22	25 52	2 23	12 56	0 27	14 25	1 11	23 47	0 35	7 29	1 5	19 24	1 32	10 55	0 28	11 27	1 53	22 36	13 43	19 55	19 58	26 25	17 22	5 58
S 29	7 0	26 31	3 14	13 3	0 10	14 1	1 12	23 46	0 36	7 24	1 5	19 25	1 32	10 56	0 28	11 27	1 53	22 35	13 43	19 54	19 57	26 25	17 23	5 58
M30	6 37	25 56	3 58	13 6	0n 6	13 37	1 13	23 44	0 37	7 19	1 5	19 26	1 31	10 58	0 28	11 26	1 53	22 34	13 43	19 53	19 56	26 26	17 23	5 57
T 31	6n15	24s 8	4s32	13n 5	0n21	13n12	1n15	23n42	0n38	7n14	1n 5	19s26	1n31	10s59	0n28	11n26	1s53	22n34	13n43	19n51	19n56	26s27	17s24	5n57

Julian Day Number = 2167240.5, Delta T = 12m38s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'09, Lahiri = 13°00'09 Julian Calendar 1 Aug. 1221 == Greg. Calendar 8 Aug. 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

SEPTEMBER 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 8 14	15♍10'11	14♒36	27♌19	29♌46	11♋49	14♍24	3♐29	29♎44	4°R52	4♍40	28°R 6	28♉31	3♑33	22♐32	W 1
T 2	23 12 11	16° 8'50	27° 7	28°19	1♍ 0	12°25	14°37	3°32	29°47	4♉51	4°42	27♉54	28°28	3°40	22°33	T 2
F 3	23 16 7	17° 7'32	9♓54	29°26	2°15	13° 0	14°50	3°36	29°50	4°50	4°44	27°42	28°25	3°47	22°34	F 3
S 4	23 20 4	18° 6'15	22°55	0♍40	3°29	13°36	15° 3	3°39	29°53	4°49	4°46	27°30	28°22	3°53	22°35	S 4
S 5	23 24 0	19° 5'01	6♈ 9	1°59	4°44	14°11	15°16	3°42	29°56	4°48	4°48	27°20	28°18	4° 0	22°37	S 5
M 6	23 27 57	20° 3'48	19°36	3°24	5°58	14°47	15°29	3°45	29°59	4°47	4°51	27°12	28°15	4° 7	22°38	M 6
T 7	23 31 54	21° 2'38	3♉13	4°53	7°13	15°22	15°42	3°49	0♏ 2	4°46	4°53	27° 7	28°12	4°13	22°39	T 7
W 8	23 35 50	22° 1'30	16°58	6°26	8°27	15°57	15°55	3°53	0° 5	4°45	4°55	27° 5	28° 9	4°20	22°41	W 8
T 9	23 39 47	23° 0'25	0♊51	8° 2	9°42	16°32	16° 8	3°56	0° 8	4°43	4°57	27°D 5	28° 6	4°27	22°43	T 9
F 10	23 43 43	23°59'22	14°50	9°41	10°57	17° 7	16°21	4° 0	0°11	4°42	4°59	27° 5	28° 2	4°33	22°44	F 10
S 11	23 47 40	24°58'21	28°56	11°23	12°11	17°42	16°34	4° 4	0°14	4°41	5° 1	27°R 5	27°59	4°40	22°46	S 11
S 12	23 51 36	25°57'23	13♋ 7	13° 6	13°26	18°16	16°47	4° 8	0°18	4°40	5° 3	27° 4	27°56	4°47	22°48	S 12
M13	23 55 33	26°56'27	27°21	14°50	14°41	18°51	17° 0	4°12	0°21	4°39	5° 5	27° 1	27°53	4°53	22°50	M13
T 14	23 59 29	27°55'33	11♌36	16°36	15°56	19°25	17°13	4°16	0°24	4°37	5° 7	26°55	27°50	5° 0	22°52	T 14
W15	0 3 26	28°54'42	25°48	18°22	17°10	19°59	17°26	4°20	0°27	4°36	5° 9	26°47	27°47	5° 7	22°54	W15
T 16	0 7 23	29°53'52	9♍53	20° 8	18°25	20°34	17°39	4°24	0°31	4°35	5°11	26°38	27°43	5°13	22°56	T 16
F 17	0 11 19	0♎53'05	23°46	21°55	19°40	21° 8	17°52	4°28	0°34	4°33	5°13	26°28	27°40	5°20	22°58	F 17
S 18	0 15 16	1°52'20	7♎22	23°42	20°55	21°41	18° 4	4°32	0°38	4°32	5°15	26°19	27°37	5°27	23° 1	S 18
S 19	0 19 12	2°51'37	20°39	25°29	22°10	22°15	18°17	4°37	0°41	4°31	5°17	26°12	27°34	5°33	23° 3	S 19
M20	0 23 9	3°50'56	3♏36	27°16	23°25	22°49	18°30	4°41	0°44	4°29	5°19	26° 7	27°31	5°40	23° 6	M20
T 21	0 27 5	4°50'17	16°13	29° 2	24°40	23°22	18°43	4°46	0°48	4°28	5°21	26° 5	27°27	5°47	23° 8	T 21
W22	0 31 2	5°49'40	28°32	0♎48	25°55	23°55	18°55	4°51	0°51	4°26	5°22	26°D 4	27°24	5°53	23°11	W22
T 23	0 34 58	6°49'05	10♐37	2°33	27°10	24°28	19° 8	4°55	0°55	4°25	5°24	26° 5	27°21	6° 0	23°14	T 23
F 24	0 38 55	7°48'32	22°32	4°18	28°25	25° 1	19°21	5° 0	0°58	4°24	5°26	26° 7	27°18	6° 7	23°16	F 24
S 25	0 42 52	8°48'00	4♑23	6° 2	29°40	25°34	19°33	5° 5	1° 2	4°22	5°28	26°R 8	27°15	6°13	23°19	S 25
S 26	0 46 48	9°47'31	16°13	7°46	0♎55	26° 7	19°46	5°10	1° 5	4°21	5°30	26° 7	27°12	6°20	23°22	S 26
M27	0 50 45	10°47'03	28° 9	9°29	2°10	26°39	19°59	5°15	1° 9	4°19	5°32	26° 6	27° 8	6°27	23°25	M27
T 28	0 54 41	11°46'37	10♒15	11°11	3°25	27°11	20°11	5°20	1°13	4°18	5°34	26° 2	27° 5	6°33	23°28	T 28
W29	0 58 38	12°46'12	22°36	12°53	4°40	27°44	20°24	5°25	1°16	4°16	5°35	25°56	27° 2	6°40	23°32	W29
T 30	1 2 34	13♎45'50	5♓14	14♎34	5♎55	28♋16	20♍36	5♐30	1♏20	4♉14	5♍37	25♉50	26♉59	6♑47	23♐35	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n52	21s11	4s53	13n 0	0n35	12n47	1n16	23n40	0n39	7n 9	1n 5	19s27	1n31	11s 0	0n28	11n25	1s53	22n33	13n43	19n49	19n55	26s27	17s24	5n56
T 2	5 29	17 14	5 2	12 52	0 48	12 22	1 17	23 37	0 40	7 4	1 5	19 28	1 31	11 1	0 28	11 25	1 53	22 32	13 43	19 47	19 54	26 28	17 25	5 56
F 3	5 6	12 26	4 55	12 39	1 0	11 56	1 18	23 35	0 41	6 59	1 5	19 29	1 31	11 2	0 28	11 25	1 53	22 32	13 44	19 44	19 53	26 28	17 25	5 55
S 4	4 43	7 0	4 33	12 23	1 10	11 30	1 19	23 32	0 42	6 54	1 5	19 30	1 30	11 3	0 28	11 24	1 53	22 31	13 44	19 41	19 53	26 29	17 26	5 55
S 5	4 20	1 9	3 56	12 3	1 19	11 4	1 20	23 30	0 43	6 49	1 5	19 30	1 30	11 4	0 27	11 24	1 53	22 30	13 44	19 39	19 52	26 29	17 26	5 55
M 6	3 57	4n51	3 5	11 40	1 27	10 37	1 21	23 27	0 44	6 44	1 5	19 31	1 30	11 5	0 27	11 24	1 53	22 30	13 44	19 37	19 51	26 30	17 27	5 54
T 7	3 34	10 42	2 3	11 13	1 34	10 10	1 22	23 24	0 45	6 39	1 5	19 32	1 30	11 6	0 27	11 23	1 53	22 29	13 44	19 36	19 51	26 30	17 27	5 54
W 8	3 11	16 7	0 54	10 44	1 40	9 43	1 23	23 21	0 46	6 34	1 5	19 33	1 30	11 7	0 27	11 23	1 53	22 28	13 44	19 35	19 50	26 31	17 28	5 53
T 9	2 47	20 45	0n20	10 12	1 45	9 15	1 24	23 18	0 47	6 29	1 5	19 34	1 29	11 8	0 27	11 22	1 53	22 28	13 45	19 35	19 49	26 31	17 28	5 53
F 10	2 24	24 13	1 33	9 38	1 48	8 47	1 24	23 14	0 48	6 24	1 5	19 35	1 29	11 10	0 27	11 22	1 53	22 27	13 45	19 35	19 48	26 32	17 29	5 52
S 11	2 0	26 14	2 41	9 2	1 51	8 19	1 25	23 11	0 49	6 19	1 5	19 36	1 29	11 11	0 27	11 21	1 53	22 27	13 45	19 36	19 48	26 32	17 29	5 52
S 12	1 37	26 32	3 40	8 24	1 53	7 51	1 25	23 7	0 50	6 14	1 5	19 37	1 29	11 12	0 27	11 21	1 53	22 26	13 45	19 35	19 47	26 33	17 30	5 52
M13	1 13	25 7	4 25	7 44	1 54	7 23	1 26	23 4	0 51	6 9	1 5	19 37	1 29	11 13	0 27	11 21	1 54	22 25	13 45	19 34	19 46	26 33	17 30	5 51
T 14	0 50	22 5	4 54	7 3	1 54	6 54	1 26	23 0	0 53	6 4	1 5	19 38	1 28	11 14	0 27	11 20	1 54	22 25	13 46	19 33	19 46	26 34	17 31	5 51
W15	0 26	17 45	5 5	6 21	1 53	6 25	1 26	22 56	0 54	5 59	1 5	19 39	1 28	11 15	0 27	11 20	1 54	22 24	13 46	19 31	19 45	26 34	17 31	5 50
T 16	0 2	12 28	4 57	5 38	1 52	5 56	1 27	22 52	0 55	5 54	1 5	19 40	1 28	11 17	0 27	11 19	1 54	22 24	13 46	19 29	19 44	26 34	17 32	5 50
F 17	0s21	6 38	4 31	4 54	1 50	5 26	1 27	22 48	0 56	5 49	1 6	19 41	1 28	11 18	0 27	11 19	1 54	22 23	13 46	19 27	19 43	26 35	17 32	5 50
S 18	0 45	0 36	3 51	4 9	1 47	4 57	1 27	22 43	0 57	5 44	1 6	19 42	1 28	11 19	0 27	11 18	1 54	22 23	13 47	19 25	19 43	26 35	17 33	5 49
S 19	1 9	5s21	2 58	3 24	1 44	4 27	1 27	22 39	0 58	5 40	1 6	19 43	1 27	11 20	0 27	11 18	1 54	22 22	13 47	19 23	19 42	26 36	17 33	5 49
M20	1 32	10 55	1 58	2 38	1 41	3 57	1 27	22 35	0 59	5 35	1 6	19 44	1 27	11 21	0 27	11 17	1 54	22 22	13 47	19 22	19 41	26 36	17 34	5 48
T 21	1 56	15 55	0 53	1 52	1 37	3 28	1 27	22 30	1 0	5 30	1 6	19 45	1 27	11 23	0 27	11 17	1 54	22 21	13 47	19 21	19 41	26 36	17 34	5 48
W22	2 19	20 8	0s13	1 6	1 33	2 58	1 27	22 25	1 1	5 25	1 6	19 46	1 27	11 24	0 27	11 16	1 54	22 21	13 48	19 21	19 40	26 37	17 35	5 47
T 23	2 43	23 25	1 18	0 20	1 28	2 27	1 27	22 21	1 3	5 20	1 6	19 47	1 27	11 25	0 27	11 16	1 54	22 20	13 48	19 21	19 39	26 37	17 35	5 47
F 24	3 7	25 38	2 18	0s27	1 23	1 57	1 26	22 16	1 4	5 15	1 6	19 48	1 27	11 26	0 27	11 15	1 54	22 20	13 48	19 22	19 38	26 38	17 36	5 47
S 25	3 30	26 40	3 12	1 13	1 18	1 27	1 26	22 11	1 5	5 10	1 6	19 49	1 26	11 28	0 27	11 15	1 54	22 19	13 48	19 22	19 38	26 38	17 36	5 46
S 26	3 54	26 29	3 58	1 59	1 13	0 57	1 26	22 6	1 6	5 5	1 6	19 50	1 26	11 29	0 27	11 14	1 54	22 19	13 49	19 22	19 37	26 38	17 37	5 46
M27	4 17	25 5	4 33	2 45	1 7	0 26	1 25	22 1	1 7	5 0	1 6	19 51	1 26	11 30	0 27	11 14	1 54	22 19	13 49	19 22	19 36	26 39	17 38	5 46
T 28	4 41	22 31	4 58	3 30	1 1	0s 4	1 25	21 56	1 8	4 55	1 6	19 52	1 26	11 31	0 27	11 13	1 54	22 18	13 49	19 21	19 35	26 39	17 38	5 45
W29	5 4	18 54	5 9	4 16	0 55	0 35	1 24	21 50	1 10	4 50	1 7	19 54	1 26	11 33	0 27	11 12	1 54	22 18	13 50	19 19	19 35	26 39	17 39	5 45
T 30	5s27	14s21	5s 5	5s 1	0n49	1s 5	1n23	21n45	1n11	4n46	1n 7	19s55	1n26	11s34	0n27	11n12	1s54	22n17	13n50	19n18	19n34	26s40	17s39	5n44

Julian Day Number = 2167271.5, Delta T = 12m38s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'13, Lahiri = 13°00'13 Julian Calendar 1 Sept. 1221 == Greg. Calendar 8 Sept. 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

OCTOBER 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 6 31	14♎45'29	18♓12	16♎14	7♎10	28♋47	20♍49	5♐35	1♏23	4°R13	5♍39	25°R42	26♉56	6♋53	23♐38	F 1
S 2	1 10 27	15°45'10	1♈29	17°54	8°25	29°19	21° 1	5°41	1°27	4♉11	5°41	25♉35	26°53	7° 0	23°42	S 2
S 3	1 14 24	16°44'53	15° 4	19°33	9°41	29°51	21°13	5°46	1°31	4°10	5°42	25°29	26°49	7° 7	23°45	S 3
M 4	1 18 21	17°44'38	28°56	21°12	10°56	0♌22	21°26	5°51	1°34	4° 8	5°44	25°25	26°46	7°13	23°49	M 4
T 5	1 22 17	18°44'26	12♉59	22°50	12°11	0°53	21°38	5°57	1°38	4° 7	5°46	25°23	26°43	7°20	23°52	T 5
W 6	1 26 14	19°44'15	27°10	24°27	13°26	1°24	21°50	6° 2	1°42	4° 5	5°47	25°D22	26°40	7°27	23°56	W 6
T 7	1 30 10	20°44'07	11♊26	26° 4	14°41	1°55	22° 2	6° 8	1°45	4° 3	5°49	25°23	26°37	7°34	23°59	T 7
F 8	1 34 7	21°44'01	25°42	27°40	15°57	2°25	22°14	6°14	1°49	4° 2	5°51	25°24	26°33	7°40	24° 3	F 8
S 9	1 38 3	22°43'57	9♋56	29°16	17°12	2°56	22°26	6°19	1°53	4° 0	5°52	25°26	26°30	7°47	24° 7	S 9
S 10	1 42 0	23°43'55	24° 7	0♏51	18°27	3°26	22°38	6°25	1°56	3°58	5°54	25°R26	26°27	7°54	24°11	S 10
M11	1 45 56	24°43'56	8♌11	2°26	19°43	3°56	22°50	6°31	2° 0	3°57	5°55	25°25	26°24	8° 0	24°15	M11
T 12	1 49 53	25°43'59	22° 8	4° 0	20°58	4°26	23° 2	6°37	2° 4	3°55	5°57	25°23	26°21	8° 7	24°19	T 12
W13	1 53 50	26°44'04	5♍56	5°34	22°13	4°56	23°14	6°43	2° 8	3°53	5°58	25°20	26°18	8°14	24°23	W13
T 14	1 57 46	27°44'11	19°34	7° 8	23°29	5°25	23°26	6°49	2°11	3°52	6° 0	25°16	26°14	8°20	24°27	T 14
F 15	2 1 43	28°44'20	2♎59	8°41	24°44	5°54	23°38	6°55	2°15	3°50	6° 1	25°11	26°11	8°27	24°32	F 15
S 16	2 5 39	29°44'31	16°11	10°13	25°59	6°23	23°49	7° 1	2°19	3°48	6° 3	25° 7	26° 8	8°34	24°36	S 16
S 17	2 9 36	0♏44'44	29° 7	11°45	27°15	6°52	24° 1	7° 7	2°23	3°47	6° 4	25° 4	26° 5	8°40	24°40	S 17
M18	2 13 32	1°44'58	11♏49	13°17	28°30	7°20	24°13	7°13	2°26	3°45	6° 5	25° 2	26° 2	8°47	24°45	M18
T 19	2 17 29	2°45'15	24°16	14°48	29°45	7°49	24°24	7°19	2°30	3°43	6° 7	25°D 2	25°58	8°54	24°49	T 19
W20	2 21 25	3°45'33	6♐29	16°19	1♏ 1	8°17	24°36	7°25	2°34	3°41	6° 8	25° 2	25°55	9° 0	24°54	W20
T 21	2 25 22	4°45'53	18°31	17°50	2°16	8°45	24°47	7°32	2°38	3°40	6° 9	25° 3	25°52	9° 7	24°58	T 21
F 22	2 29 19	5°46'15	0♑25	19°20	3°32	9°12	24°58	7°38	2°41	3°38	6°11	25° 5	25°49	9°14	25° 3	F 22
S 23	2 33 15	6°46'38	12°15	20°50	4°47	9°39	25°10	7°44	2°45	3°36	6°12	25° 7	25°46	9°20	25° 8	S 23
S 24	2 37 12	7°47'03	24° 5	22°19	6° 2	10° 6	25°21	7°51	2°49	3°35	6°13	25° 8	25°43	9°27	25°12	S 24
M25	2 41 8	8°47'29	6♒ 0	23°48	7°18	10°33	25°32	7°57	2°53	3°33	6°14	25°R 8	25°39	9°34	25°17	M25
T 26	2 45 5	9°47'56	18° 5	25°17	8°33	11° 0	25°43	8° 4	2°56	3°31	6°16	25° 8	25°36	9°40	25°22	T 26
W27	2 49 1	10°48'25	0♓24	26°45	9°49	11°26	25°54	8°10	3° 0	3°30	6°17	25° 7	25°33	9°47	25°27	W27
T 28	2 52 58	11°48'55	13° 1	28°12	11° 4	11°52	26° 5	8°17	3° 4	3°28	6°18	25° 6	25°30	9°54	25°32	T 28
F 29	2 56 54	12°49'26	26° 1	29°39	12°20	12°18	26°15	8°23	3° 7	3°26	6°19	25° 4	25°27	10° 0	25°37	F 29
S 30	3 0 51	13°49'58	9♈24	1♐ 6	13°35	12°43	26°26	8°30	3°11	3°25	6°20	25° 3	25°24	10° 7	25°42	S 30
S 31	3 4 48	14♏50'32	23♈11	2♐32	14♏50	13♌ 8	26♍37	8♐36	3♏15	3♉23	6♍21	25♉ 1	25♉20	10♋14	25♐47	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s50	9s 4	4s46	5s46	0n43	1s36	1n23	21n40	1n12	4n41	1n 7	19s56	1n25	11s35	0n27	11n11	1s54	22n17	13n50	19n16	19n33	26s40	17s40	5n44
S 2	6 14	3 15	4 11	6 30	0 36	2 6	1 22	21 34	1 13	4 36	1 7	19 57	1 25	11 36	0 27	11 11	1 54	22 17	13 51	19 14	19 33	26 40	17 40	5 44
S 3	6 37	2n52	3 21	7 14	0 30	2 37	1 21	21 29	1 14	4 31	1 7	19 58	1 25	11 38	0 27	11 10	1 54	22 16	13 51	19 13	19 32	26 41	17 41	5 43
M 4	7 0	8 58	2 19	7 57	0 23	3 7	1 20	21 23	1 16	4 26	1 7	19 59	1 25	11 39	0 27	11 10	1 54	22 16	13 51	19 12	19 31	26 41	17 41	5 43
T 5	7 22	14 44	1 7	8 40	0 16	3 37	1 19	21 18	1 17	4 22	1 7	20 0	1 25	11 40	0 27	11 9	1 54	22 16	13 52	19 11	19 30	26 41	17 42	5 43
W 6	7 45	19 46	0n10	9 22	0 10	4 8	1 18	21 12	1 18	4 17	1 7	20 1	1 25	11 42	0 27	11 9	1 54	22 15	13 52	19 11	19 30	26 42	17 42	5 42
T 7	8 8	23 41	1 27	10 4	0 3	4 38	1 17	21 6	1 19	4 12	1 7	20 2	1 24	11 43	0 27	11 8	1 54	22 15	13 52	19 11	19 29	26 42	17 43	5 42
F 8	8 30	26 6	2 38	10 45	0s 4	5 8	1 16	21 1	1 21	4 7	1 7	20 3	1 24	11 44	0 27	11 7	1 54	22 15	13 53	19 12	19 28	26 42	17 43	5 42
S 9	8 53	26 49	3 40	11 25	0 10	5 38	1 15	20 55	1 22	4 3	1 8	20 4	1 24	11 45	0 27	11 7	1 54	22 14	13 53	19 12	19 27	26 42	17 44	5 41
S 10	9 15	25 46	4 28	12 5	0 17	6 8	1 13	20 49	1 23	3 58	1 8	20 6	1 24	11 47	0 27	11 6	1 54	22 14	13 53	19 12	19 27	26 43	17 44	5 41
M11	9 37	23 6	4 59	12 45	0 24	6 38	1 12	20 43	1 25	3 53	1 8	20 7	1 24	11 48	0 27	11 6	1 54	22 14	13 54	19 12	19 26	26 43	17 45	5 41
T 12	9 59	19 7	5 12	13 23	0 31	7 7	1 11	20 37	1 26	3 49	1 8	20 8	1 24	11 49	0 27	11 5	1 54	22 14	13 54	19 12	19 25	26 43	17 45	5 40
W13	10 21	14 8	5 8	14 1	0 37	7 37	1 9	20 32	1 27	3 44	1 8	20 9	1 24	11 51	0 27	11 5	1 54	22 14	13 55	19 11	19 24	26 43	17 46	5 40
T 14	10 43	8 31	4 45	14 38	0 44	8 6	1 8	20 26	1 29	3 40	1 8	20 10	1 23	11 52	0 27	11 4	1 54	22 13	13 55	19 10	19 24	26 44	17 46	5 40
F 15	11 4	2 36	4 8	15 15	0 50	8 36	1 6	20 20	1 30	3 35	1 8	20 11	1 23	11 53	0 27	11 3	1 54	22 13	13 55	19 9	19 23	26 44	17 47	5 39
S 16	11 26	3s21	3 17	15 50	0 57	9 4	1 5	20 14	1 31	3 30	1 8	20 12	1 23	11 55	0 27	11 3	1 54	22 13	13 56	19 8	19 22	26 44	17 47	5 39
S 17	11 47	9 4	2 18	16 25	1 3	9 33	1 3	20 8	1 33	3 26	1 9	20 14	1 23	11 56	0 27	11 2	1 54	22 13	13 56	19 7	19 21	26 44	17 48	5 39
M18	12 8	14 18	1 12	16 59	1 9	10 2	1 1	20 2	1 34	3 22	1 9	20 15	1 23	11 57	0 27	11 2	1 54	22 13	13 57	19 6	19 21	26 44	17 48	5 38
T 19	12 29	18 51	0 4	17 33	1 15	10 30	1 0	19 56	1 35	3 17	1 9	20 16	1 23	11 58	0 27	11 1	1 54	22 13	13 57	19 6	19 20	26 45	17 49	5 38
W20	12 49	22 31	1s 3	18 5	1 21	10 58	0 58	19 50	1 37	3 13	1 9	20 17	1 23	12 0	0 27	11 1	1 54	22 12	13 57	19 6	19 19	26 45	17 49	5 38
T 21	13 10	25 8	2 6	18 37	1 27	11 26	0 56	19 44	1 38	3 8	1 9	20 18	1 22	12 1	0 27	11 0	1 54	22 12	13 58	19 7	19 18	26 45	17 49	5 38
F 22	13 30	26 36	3 3	19 7	1 33	11 54	0 54	19 38	1 40	3 4	1 9	20 19	1 22	12 2	0 27	10 59	1 54	22 12	13 58	19 7	19 18	26 45	17 50	5 37
S 23	13 50	26 50	3 52	19 37	1 38	12 21	0 52	19 32	1 41	3 0	1 9	20 20	1 22	12 4	0 27	10 59	1 54	22 12	13 59	19 7	19 17	26 45	17 50	5 37
S 24	14 10	25 50	4 31	20 6	1 44	12 48	0 51	19 26	1 43	2 55	1 10	20 22	1 22	12 5	0 27	10 58	1 54	22 12	13 59	19 8	19 16	26 45	17 51	5 37
M25	14 29	23 40	4 59	20 33	1 49	13 14	0 49	19 20	1 44	2 51	1 10	20 23	1 22	12 6	0 27	10 58	1 54	22 12	14 0	19 8	19 15	26 46	17 51	5 37
T 26	14 49	20 27	5 14	21 0	1 54	13 41	0 47	19 14	1 46	2 47	1 10	20 24	1 22	12 7	0 27	10 57	1 54	22 12	14 0	19 8	19 15	26 46	17 52	5 36
W27	15 8	16 17	5 15	21 26	1 58	14 7	0 45	19 8	1 47	2 42	1 10	20 25	1 22	12 9	0 27	10 57	1 54	22 12	14 1	19 8	19 14	26 46	17 52	5 36
T 28	15 27	11 20	5 1	21 50	2 3	14 32	0 43	19 3	1 49	2 38	1 10	20 26	1 22	12 10	0 27	10 56	1 54	22 12	14 1	19 7	19 13	26 46	17 52	5 36
F 29	15 45	5 45	4 32	22 14	2 7	14 58	0 40	18 57	1 50	2 34	1 10	20 27	1 22	12 11	0 27	10 55	1 54	22 12	14 1	19 7	19 12	26 46	17 53	5 36
S 30	16 4	0n16	3 47	22 36	2 11	15 22	0 38	18 51	1 52	2 30	1 10	20 29	1 21	12 13	0 27	10 55	1 54	22 12	14 2	19 6	19 12	26 46	17 53	5 35
S 31	16s22	6n27	2s47	22s57	2s14	15s47	0n36	18n45	1n53	2n26	1n11	20s30	1n21	12s14	0n27	10n54	1s54	22n12	14n 2	19n 6	19n11	26s46	17s54	5n35

Julian Day Number = 2167301.5, Delta T = 12m38s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'17, Lahiri = 13°00'17 Julian Calendar 1 Oct. 1221 == Greg. Calendar 8 Oct. 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

NOVEMBER 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 8 44	15♏51'08	7♉20	3♐57	16♏ 6	13♌33	26♍47	8♐43	3♏19	3°R21	6♍22	25°R 0	25♉17	10♑21	25♐52	M 1
T 2	3 12 41	16°51'45	21°47	5°21	17°21	13°58	26°58	8°50	3°22	3♉20	6°23	25°D 0	25°14	10°27	25°57	T 2
W 3	3 16 37	17°52'23	6♊26	6°44	18°37	14°22	27° 8	8°57	3°26	3°18	6°24	25♉ 0	25°11	10°34	26° 2	W 3
T 4	3 20 34	18°53'03	21°10	8° 7	19°52	14°46	27°18	9° 3	3°30	3°16	6°25	25° 1	25° 8	10°41	26° 8	T 4
F 5	3 24 30	19°53'45	5♋53	9°28	21° 8	15°10	27°28	9°10	3°33	3°15	6°26	25° 1	25° 4	10°47	26°13	F 5
S 6	3 28 27	20°54'28	20°29	10°48	22°23	15°33	27°38	9°17	3°37	3°13	6°27	25° 1	25° 1	10°54	26°18	S 6
S 7	3 32 23	21°55'13	4♌52	12° 7	23°38	15°56	27°48	9°24	3°40	3°12	6°27	25° 2	24°58	11° 1	26°24	S 7
M 8	3 36 20	22°56'00	19° 0	13°24	24°54	16°18	27°58	9°31	3°44	3°10	6°28	25°R 2	24°55	11° 7	26°29	M 8
T 9	3 40 17	23°56'48	2♍51	14°39	26° 9	16°41	28° 8	9°37	3°48	3° 9	6°29	25° 2	24°52	11°14	26°34	T 9
W10	3 44 13	24°57'37	16°25	15°52	27°25	17° 3	28°18	9°44	3°51	3° 7	6°30	25°D 2	24°49	11°21	26°40	W10
T 11	3 48 10	25°58'28	29°42	17° 3	28°40	17°24	28°27	9°51	3°55	3° 5	6°30	25° 2	24°45	11°27	26°45	T 11
F 12	3 52 6	26°59'20	12♎45	18°11	29°56	17°45	28°37	9°58	3°58	3° 4	6°31	25° 2	24°42	11°34	26°51	F 12
S 13	3 56 3	28° 0'14	25°33	19°15	1♐11	18° 6	28°46	10° 5	4° 2	3° 2	6°32	25° 2	24°39	11°41	26°57	S 13
S 14	3 59 59	29° 1'09	8♏ 8	20°16	2°27	18°26	28°55	10°12	4° 5	3° 1	6°32	25° 3	24°36	11°47	27° 2	S 14
M15	4 3 56	0♐ 2'06	20°31	21°12	3°42	18°46	29° 4	10°19	4° 9	2°59	6°33	25°R 3	24°33	11°54	27° 8	M15
T 16	4 7 52	1° 3'03	2♐44	22° 4	4°58	19° 6	29°13	10°26	4°12	2°58	6°33	25° 3	24°30	12° 1	27°13	T 16
W17	4 11 49	2° 4'02	14°49	22°50	6°13	19°25	29°22	10°33	4°16	2°57	6°34	25° 2	24°26	12° 8	27°19	W17
T 18	4 15 46	3° 5'01	26°46	23°30	7°29	19°44	29°31	10°40	4°19	2°55	6°34	25° 2	24°23	12°14	27°25	T 18
F 19	4 19 42	4° 6'02	8♑38	24° 3	8°44	20° 2	29°40	10°47	4°23	2°54	6°35	25° 0	24°20	12°21	27°31	F 19
S 20	4 23 39	5° 7'03	20°27	24°28	10° 0	20°20	29°48	10°54	4°26	2°52	6°35	24°59	24°17	12°28	27°36	S 20
S 21	4 27 35	6° 8'05	2♒17	24°44	11°15	20°37	29°57	11° 1	4°29	2°51	6°36	24°57	24°14	12°34	27°42	S 21
M22	4 31 32	7° 9'07	14°11	24°R50	12°31	20°54	0♎ 5	11° 8	4°33	2°50	6°36	24°56	24°10	12°41	27°48	M22
T 23	4 35 28	8°10'11	26°13	24°46	13°46	21°10	0°13	11°15	4°36	2°48	6°36	24°55	24° 7	12°48	27°54	T 23
W24	4 39 25	9°11'14	8♓28	24°31	15° 1	21°26	0°21	11°22	4°39	2°47	6°37	24°D54	24° 4	12°54	28° 0	W24
T 25	4 43 21	10°12'18	21° 0	24° 5	16°17	21°42	0°29	11°29	4°42	2°46	6°37	24°55	24° 1	13° 1	28° 6	T 25
F 26	4 47 18	11°13'22	3♈53	23°27	17°32	21°57	0°37	11°36	4°46	2°44	6°37	24°56	23°58	13° 8	28°12	F 26
S 27	4 51 15	12°14'27	17°10	22°38	18°48	22°11	0°45	11°43	4°49	2°43	6°37	24°57	23°55	13°14	28°17	S 27
S 28	4 55 11	13°15'33	0♉55	21°38	20° 3	22°25	0°52	11°50	4°52	2°42	6°37	24°58	23°51	13°21	28°23	S 28
M29	4 59 8	14°16'38	15° 7	20°29	21°19	22°38	1° 0	11°58	4°55	2°41	6°37	24°59	23°48	13°28	28°29	M29
T 30	5 3 4	15♐17'44	29♉44	19♐13	22♐34	22♌51	1♎ 7	12♐ 5	4♏58	2♉40	6♍38	25°R 0	23♉45	13♑35	28♐35	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s39	12n30	1s36	23s17	2s18	16s11	0n34	18n40	1n55	2n22	1n11	20s31	1n21	12s15	0n27	10n54	1s54	22n12	14n 3	19n 6	19n10	26s46	17s54	5n35
T 2	16 57	18 0	0 18	23 35	2 21	16 35	0 32	18 34	1 56	2 18	1 11	20 32	1 21	12 16	0 27	10 53	1 54	22 12	14 3	19 6	19 9	26 46	17 54	5 35
W 3	17 14	22 31	1n 3	23 53	2 23	16 58	0 30	18 28	1 58	2 14	1 11	20 33	1 21	12 18	0 27	10 53	1 54	22 12	14 4	19 6	19 8	26 46	17 55	5 34
T 4	17 31	25 35	2 20	24 9	2 25	17 21	0 27	18 23	2 0	2 10	1 11	20 34	1 21	12 19	0 27	10 52	1 54	22 12	14 4	19 6	19 8	26 47	17 55	5 34
F 5	17 47	26 52	3 28	24 23	2 27	17 43	0 25	18 17	2 1	2 6	1 11	20 35	1 21	12 20	0 27	10 52	1 54	22 12	14 5	19 6	19 7	26 47	17 55	5 34
S 6	18 4	26 17	4 22	24 36	2 28	18 5	0 23	18 12	2 3	2 2	1 12	20 36	1 21	12 21	0 27	10 51	1 54	22 12	14 5	19 6	19 6	26 47	17 56	5 34
S 7	18 19	23 57	4 58	24 48	2 29	18 26	0 20	18 7	2 5	1 58	1 12	20 38	1 21	12 23	0 27	10 51	1 54	22 13	14 6	19 6	19 5	26 47	17 56	5 34
M 8	18 35	20 11	5 16	24 58	2 29	18 47	0 18	18 1	2 6	1 55	1 12	20 39	1 21	12 24	0 27	10 50	1 54	22 13	14 6	19 6	19 5	26 47	17 56	5 34
T 9	18 50	15 23	5 15	25 7	2 29	19 7	0 16	17 56	2 8	1 51	1 12	20 40	1 20	12 25	0 27	10 50	1 54	22 13	14 7	19 6	19 4	26 47	17 57	5 33
W10	19 5	9 55	4 56	25 14	2 28	19 27	0 13	17 51	2 10	1 47	1 12	20 41	1 20	12 26	0 27	10 49	1 54	22 13	14 7	19 6	19 3	26 47	17 57	5 33
T 11	19 20	4 7	4 21	25 20	2 26	19 46	0 11	17 46	2 12	1 44	1 13	20 42	1 20	12 27	0 27	10 49	1 54	22 13	14 8	19 6	19 2	26 47	17 57	5 33
F 12	19 34	1s46	3 34	25 23	2 23	20 5	0 9	17 41	2 13	1 40	1 13	20 43	1 20	12 29	0 27	10 48	1 54	22 13	14 8	19 6	19 2	26 47	17 57	5 33
S 13	19 48	7 29	2 37	25 26	2 20	20 23	0 6	17 37	2 15	1 36	1 13	20 44	1 20	12 30	0 27	10 48	1 54	22 14	14 9	19 6	19 1	26 47	17 58	5 33
S 14	20 2	12 49	1 33	25 26	2 16	20 41	0 4	17 32	2 17	1 33	1 13	20 45	1 20	12 31	0 27	10 47	1 54	22 14	14 9	19 7	19 0	26 47	17 58	5 33
M15	20 15	17 33	0 25	25 25	2 10	20 57	0 2	17 27	2 19	1 29	1 13	20 46	1 20	12 32	0 27	10 47	1 54	22 14	14 10	19 7	18 59	26 47	17 58	5 33
T 16	20 27	21 30	0s43	25 22	2 4	21 14	0s 1	17 23	2 21	1 26	1 14	20 47	1 20	12 33	0 27	10 46	1 54	22 14	14 10	19 7	18 58	26 47	17 58	5 32
W17	20 40	24 27	1 47	25 17	1 57	21 30	0 3	17 19	2 22	1 23	1 14	20 49	1 20	12 35	0 27	10 46	1 54	22 15	14 11	19 6	18 58	26 47	17 59	5 32
T 18	20 52	26 17	2 47	25 11	1 48	21 45	0 6	17 15	2 24	1 19	1 14	20 50	1 20	12 36	0 27	10 45	1 54	22 15	14 11	19 6	18 57	26 47	17 59	5 32
F 19	21 3	26 54	3 39	25 3	1 38	21 59	0 8	17 11	2 26	1 16	1 14	20 51	1 20	12 37	0 27	10 45	1 54	22 15	14 12	19 6	18 56	26 47	17 59	5 32
S 20	21 15	26 17	4 21	24 53	1 27	22 13	0 10	17 7	2 28	1 13	1 14	20 52	1 20	12 38	0 27	10 44	1 54	22 16	14 12	19 6	18 55	26 47	17 59	5 32
S 21	21 25	24 28	4 52	24 41	1 15	22 26	0 13	17 3	2 30	1 10	1 15	20 53	1 19	12 39	0 27	10 44	1 54	22 16	14 13	19 5	18 55	26 47	17 59	5 32
M22	21 36	21 36	5 11	24 27	1 1	22 39	0 15	16 59	2 32	1 6	1 15	20 54	1 19	12 40	0 27	10 44	1 54	22 16	14 13	19 5	18 54	26 46	18 0	5 32
T 23	21 46	17 47	5 16	24 12	0 46	22 50	0 18	16 56	2 34	1 3	1 15	20 55	1 19	12 41	0 27	10 43	1 54	22 17	14 14	19 5	18 53	26 46	18 0	5 32
W24	21 55	13 11	5 8	23 55	0 29	23 2	0 20	16 52	2 36	1 0	1 15	20 56	1 19	12 42	0 27	10 43	1 54	22 17	14 14	19 5	18 52	26 46	18 0	5 32
T 25	22 4	7 56	4 44	23 36	0 11	23 12	0 22	16 49	2 38	0 57	1 15	20 57	1 19	12 43	0 27	10 42	1 53	22 17	14 15	19 5	18 51	26 46	18 0	5 32
F 26	22 13	2 13	4 6	23 15	0n 8	23 22	0 25	16 46	2 40	0 55	1 16	20 58	1 19	12 45	0 27	10 42	1 53	22 18	14 15	19 5	18 51	26 46	18 0	5 32
S 27	22 21	3n47	3 14	22 53	0 27	23 31	0 27	16 43	2 42	0 52	1 16	20 59	1 19	12 46	0 27	10 42	1 53	22 18	14 16	19 5	18 50	26 46	18 0	5 31
S 28	22 29	9 50	2 9	22 29	0 48	23 39	0 29	16 41	2 44	0 49	1 16	21 0	1 19	12 47	0 27	10 41	1 53	22 18	14 16	19 5	18 49	26 46	18 1	5 31
M29	22 37	15 35	0 54	22 4	1 8	23 47	0 32	16 38	2 46	0 46	1 16	21 1	1 19	12 48	0 27	10 41	1 53	22 19	14 17	19 6	18 48	26 46	18 1	5 31
T 30	22s44	20n36	0n26	21s39	1n28	23s54	0s34	16n36	2n48	0n43	1n17	21s 2	1n19	12s49	0n27	10n40	1s53	22n19	14n17	19n 6	18n47	26s46	18s 1	5n31

Julian Day Number = 2167332.5, Delta T = 12m38s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'21, Lahiri = 13°00'22 Julian Calendar 1 Nov. 1221 == Greg. Calendar 8 Nov. 1221

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ASTRODIENST EPHEMERIS for the year 1221
geocentric

DECEMBER 1221 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 7 1	16♐18'51	14♊39	17°R53	23♐49	23♌ 4	1♎14	12♐12	5♏ 1	2°R39	6♍38	24°R59	23♉42	13♑41	28♐41	W 1
T 2	5 10 57	17°19'58	29°47	16♐30	25° 5	23°15	1°21	12°19	5° 4	2♉37	6°R38	24♉57	23°39	13°48	28°47	T 2
F 3	5 14 54	18°21'06	14♋56	15° 8	26°20	23°26	1°28	12°26	5° 7	2°36	6°38	24°54	23°36	13°55	28°53	F 3
S 4	5 18 50	19°22'15	29°57	13°49	27°36	23°37	1°35	12°33	5°10	2°35	6°38	24°50	23°32	14° 1	28°59	S 4
S 5	5 22 47	20°23'23	14♌42	12°37	28°51	23°47	1°41	12°40	5°13	2°34	6°37	24°47	23°29	14° 8	29° 5	S 5
M 6	5 26 44	21°24'33	29° 5	11°32	0♑ 6	23°56	1°48	12°47	5°16	2°33	6°37	24°44	23°26	14°15	29°11	M 6
T 7	5 30 40	22°25'43	13♍ 4	10°36	1°22	24° 5	1°54	12°54	5°19	2°32	6°37	24°42	23°23	14°21	29°18	T 7
W 8	5 34 37	23°26'53	26°37	9°50	2°37	24°13	2° 0	13° 1	5°22	2°31	6°37	24°D42	23°20	14°28	29°24	W 8
T 9	5 38 33	24°28'04	9♎47	9°15	3°53	24°21	2° 6	13° 8	5°24	2°31	6°37	24°43	23°16	14°35	29°30	T 9
F 10	5 42 30	25°29'16	22°36	8°51	5° 8	24°27	2°12	13°15	5°27	2°30	6°36	24°45	23°13	14°41	29°36	F 10
S 11	5 46 26	26°30'28	5♏ 9	8°37	6°23	24°33	2°18	13°22	5°30	2°29	6°36	24°46	23°10	14°48	29°42	S 11
S 12	5 50 23	27°31'40	17°27	8°D33	7°39	24°39	2°23	13°29	5°33	2°28	6°36	24°48	23° 7	14°55	29°48	S 12
M13	5 54 20	28°32'53	29°36	8°38	8°54	24°43	2°28	13°35	5°35	2°27	6°36	24°R48	23° 4	15° 2	29°54	M13
T 14	5 58 16	29°34'06	11♐37	8°51	10°10	24°47	2°34	13°42	5°38	2°26	6°35	24°46	23° 1	15° 8	29°59	T 14
W15	6 2 13	0♑35'19	23°32	9°13	11°25	24°51	2°39	13°49	5°40	2°26	6°35	24°43	22°57	15°15	0♑ 6	W15
T 16	6 6 9	1°36'32	5♑24	9°41	12°40	24°53	2°43	13°56	5°43	2°25	6°34	24°38	22°54	15°22	0°12	T 16
F 17	6 10 6	2°37'44	17°15	10°16	13°56	24°55	2°48	14° 3	5°45	2°24	6°34	24°31	22°51	15°28	0°18	F 17
S 18	6 14 2	3°38'57	29° 5	10°56	15°11	24°56	2°53	14°10	5°48	2°24	6°33	24°23	22°48	15°35	0°24	S 18
S 19	6 17 59	4°40'09	10♒57	11°42	16°26	24°R56	2°57	14°17	5°50	2°23	6°33	24°15	22°45	15°42	0°30	S 19
M20	6 21 55	5°41'21	22°54	12°32	17°42	24°56	3° 1	14°23	5°52	2°22	6°32	24° 7	22°42	15°48	0°36	M20
T 21	6 25 52	6°42'33	4♓57	13°26	18°57	24°55	3° 5	14°30	5°55	2°22	6°32	24° 1	22°38	15°55	0°42	T 21
W22	6 29 49	7°43'44	17°10	14°24	20°12	24°53	3° 9	14°37	5°57	2°21	6°31	23°57	22°35	16° 2	0°48	W22
T 23	6 33 45	8°44'54	29°38	15°25	21°27	24°50	3°13	14°43	5°59	2°21	6°30	23°55	22°32	16° 8	0°54	T 23
F 24	6 37 42	9°46'04	12♈23	16°29	22°43	24°46	3°16	14°50	6° 1	2°21	6°30	23°D54	22°29	16°15	1° 0	F 24
S 25	6 41 38	10°47'13	25°31	17°35	23°58	24°42	3°19	14°57	6° 3	2°20	6°29	23°55	22°26	16°22	1° 6	S 25
S 26	6 45 35	11°48'21	9♉ 4	18°44	25°13	24°37	3°22	15° 3	6° 6	2°20	6°28	23°56	22°22	16°29	1°12	S 26
M27	6 49 31	12°49'29	23° 6	19°55	26°28	24°31	3°25	15°10	6° 8	2°19	6°27	23°R57	22°19	16°35	1°18	M27
T 28	6 53 28	13°50'36	7♊35	21° 8	27°44	24°24	3°28	15°16	6°10	2°19	6°27	23°56	22°16	16°42	1°24	T 28
W29	6 57 24	14°51'43	22°29	22°23	28°59	24°16	3°31	15°23	6°11	2°19	6°26	23°53	22°13	16°49	1°30	W29
T 30	7 1 21	15°52'48	7♋41	23°39	0♒14	24° 8	3°33	15°29	6°13	2°19	6°25	23°48	22°10	16°55	1°36	T 30
F 31	7 5 18	16♑53'53	23♋ 1	24♐57	1♒29	23♌59	3♎35	15♐36	6♏15	2♉18	6♍24	23♉41	22♉ 7	17♑ 2	1♑42	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s50	24n25	1n46	21s13	1n46	24s 0	0s36	16n34	2n50	0n41	1n17	21s 3	1n19	12s50	0n27	10n40	1s53	22n20	14n18	19n 6	18n47	26s46	18s 1	5n31
T 2	22 56	26 33	3 0	20 48	2 4	24 5	0 38	16 32	2 52	0 38	1 17	21 4	1 19	12 51	0 27	10 40	1 53	22 20	14 18	19 5	18 46	26 45	18 1	5 31
F 3	23 2	26 42	4 1	20 24	2 19	24 10	0 40	16 30	2 55	0 36	1 17	21 5	1 19	12 52	0 27	10 39	1 53	22 21	14 19	19 4	18 45	26 45	18 1	5 31
S 4	23 7	24 53	4 45	20 2	2 33	24 14	0 43	16 29	2 57	0 33	1 18	21 6	1 19	12 53	0 27	10 39	1 53	22 21	14 19	19 3	18 44	26 45	18 1	5 31
S 5	23 11	21 25	5 9	19 42	2 44	24 17	0 45	16 28	2 59	0 31	1 18	21 7	1 19	12 54	0 27	10 39	1 53	22 22	14 20	19 3	18 43	26 45	18 1	5 31
M 6	23 16	16 43	5 13	19 25	2 52	24 19	0 47	16 27	3 1	0 28	1 18	21 8	1 19	12 55	0 27	10 39	1 53	22 22	14 20	19 2	18 43	26 45	18 1	5 31
T 7	23 19	11 16	4 58	19 11	2 59	24 21	0 49	16 26	3 3	0 26	1 18	21 9	1 19	12 56	0 27	10 38	1 53	22 23	14 21	19 2	18 42	26 45	18 1	5 31
W 8	23 23	5 26	4 27	19 0	3 3	24 22	0 51	16 25	3 5	0 24	1 19	21 9	1 19	12 57	0 27	10 38	1 53	22 23	14 21	19 2	18 41	26 44	18 1	5 31
T 9	23 26	0s29	3 42	18 53	3 5	24 22	0 53	16 25	3 8	0 22	1 19	21 10	1 19	12 57	0 27	10 38	1 53	22 24	14 22	19 2	18 40	26 44	18 1	5 31
F 10	23 28	6 15	2 47	18 50	3 5	24 21	0 55	16 24	3 10	0 20	1 19	21 11	1 19	12 58	0 27	10 38	1 53	22 24	14 22	19 2	18 39	26 44	18 1	5 31
S 11	23 30	11 38	1 46	18 49	3 3	24 20	0 57	16 25	3 12	0 18	1 19	21 12	1 18	12 59	0 27	10 37	1 53	22 25	14 23	19 3	18 39	26 44	18 1	5 31
S 12	23 31	16 28	0 40	18 51	3 0	24 18	0 59	16 25	3 14	0 16	1 20	21 13	1 18	13 0	0 27	10 37	1 53	22 25	14 23	19 3	18 38	26 43	18 1	5 32
M13	23 32	20 35	0s26	18 56	2 56	24 15	1 1	16 25	3 17	0 14	1 20	21 14	1 18	13 1	0 27	10 37	1 53	22 26	14 24	19 3	18 37	26 43	18 1	5 32
T 14	23 32	23 46	1 31	19 4	2 51	24 11	1 2	16 26	3 19	0 12	1 20	21 15	1 18	13 2	0 27	10 37	1 53	22 27	14 24	19 3	18 36	26 43	18 1	5 32
W15	23 32	25 53	2 30	19 13	2 44	24 7	1 4	16 27	3 21	0 10	1 20	21 16	1 18	13 3	0 27	10 36	1 52	22 27	14 25	19 2	18 35	26 43	18 1	5 32
T 16	23 32	26 49	3 23	19 24	2 38	24 2	1 6	16 29	3 24	0 9	1 21	21 16	1 18	13 4	0 27	10 36	1 52	22 28	14 25	19 0	18 35	26 43	18 1	5 32
F 17	23 31	26 30	4 7	19 36	2 30	23 56	1 8	16 30	3 26	0 7	1 21	21 17	1 18	13 4	0 27	10 36	1 52	22 28	14 26	18 59	18 34	26 42	18 1	5 32
S 18	23 29	24 59	4 40	19 50	2 22	23 49	1 9	16 32	3 28	0 5	1 21	21 18	1 18	13 5	0 27	10 36	1 52	22 29	14 26	18 57	18 33	26 42	18 0	5 32
S 19	23 28	22 22	5 1	20 4	2 14	23 42	1 11	16 34	3 31	0 4	1 21	21 19	1 18	13 6	0 27	10 36	1 52	22 30	14 27	18 55	18 32	26 42	18 0	5 32
M20	23 25	18 48	5 9	20 19	2 6	23 34	1 12	16 36	3 33	0 3	1 22	21 20	1 18	13 7	0 27	10 36	1 52	22 30	14 27	18 53	18 31	26 41	18 0	5 32
T 21	23 22	14 26	5 3	20 35	1 57	23 25	1 14	16 39	3 35	0 1	1 22	21 20	1 18	13 7	0 27	10 35	1 52	22 31	14 28	18 51	18 31	26 41	18 0	5 32
W22	23 19	9 27	4 44	20 50	1 48	23 15	1 15	16 42	3 38	0s 0	1 22	21 21	1 18	13 8	0 27	10 35	1 52	22 32	14 28	18 50	18 30	26 41	18 0	5 32
T 23	23 15	3 59	4 11	21 6	1 39	23 5	1 17	16 45	3 40	0 1	1 22	21 22	1 18	13 9	0 27	10 35	1 52	22 32	14 28	18 50	18 29	26 41	18 0	5 33
F 24	23 11	1n46	3 25	21 22	1 30	22 54	1 18	16 48	3 42	0 2	1 23	21 23	1 18	13 10	0 27	10 35	1 52	22 33	14 29	18 50	18 28	26 40	18 0	5 33
S 25	23 6	7 37	2 27	21 37	1 21	22 43	1 19	16 52	3 44	0 3	1 23	21 24	1 18	13 10	0 27	10 35	1 52	22 34	14 29	18 50	18 27	26 40	17 59	5 33
S 26	23 1	13 20	1 19	21 52	1 12	22 30	1 21	16 56	3 47	0 4	1 23	21 24	1 18	13 11	0 27	10 35	1 52	22 34	14 30	18 50	18 27	26 40	17 59	5 33
M27	22 55	18 33	0 5	22 7	1 3	22 17	1 22	17 0	3 49	0 5	1 24	21 25	1 18	13 12	0 27	10 35	1 52	22 35	14 30	18 50	18 26	26 39	17 59	5 33
T 28	22 49	22 52	1n13	22 21	0 54	22 4	1 23	17 5	3 51	0 6	1 24	21 26	1 18	13 12	0 27	10 35	1 52	22 36	14 31	18 50	18 25	26 39	17 59	5 33
W29	22 43	25 47	2 27	22 34	0 45	21 49	1 24	17 9	3 53	0 7	1 24	21 26	1 18	13 13	0 27	10 35	1 52	22 36	14 31	18 49	18 24	26 39	17 59	5 33
T 30	22 36	26 51	3 33	22 47	0 37	21 34	1 25	17 14	3 56	0 8	1 24	21 27	1 18	13 13	0 27	10 35	1 52	22 37	14 31	18 48	18 23	26 38	17 58	5 34
F 31	22s28	25n54	4n23	22s59	0n28	21s19	1s26	17n19	3n58	0s 8	1n25	21s28	1n18	13s14	0n27	10n35	1s52	22n38	14n32	18n46	18n22	26s38	17s58	5n34

Julian Day Number = 2167362.5, Delta T = 12m38s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'25, Lahiri = 13°00'26 Julian Calendar 1 Dec. 1221 == Greg. Calendar 8 Dec. 1221

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

JANUARY 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 14	17♑54'58	8♌19	26♐16	2♒44	23°R49	3♎37	15♐42	6♏17	2°R18	6°R23	23°R32	22♉ 3	17♑ 9	1♑48	S 1
S 2	7 13 11	18°56'01	23°23	27°36	3°59	23♌38	3°39	15°48	6°19	2♉18	6♍22	23♉23	22° 0	17°15	1°54	S 2
M 3	7 17 7	19°57'05	8♍ 4	28°57	5°14	23°26	3°41	15°54	6°20	2°18	6°21	23°16	21°57	17°22	2° 0	M 3
T 4	7 21 4	20°58'07	22°17	0♑20	6°30	23°14	3°42	16° 1	6°22	2°18	6°20	23°10	21°54	17°29	2° 6	T 4
W 5	7 25 0	21°59'09	5♎59	1°43	7°45	23° 1	3°43	16° 7	6°24	2°D18	6°19	23° 6	21°51	17°36	2°11	W 5
T 6	7 28 57	23° 0'11	19°13	3° 8	9° 0	22°47	3°45	16°13	6°25	2°18	6°18	23°D 5	21°48	17°42	2°17	T 6
F 7	7 32 53	24° 1'12	2♏ 2	4°33	10°15	22°32	3°45	16°19	6°27	2°18	6°17	23° 5	21°44	17°49	2°23	F 7
S 8	7 36 50	25° 2'12	14°29	5°59	11°30	22°17	3°46	16°25	6°28	2°18	6°16	23° 6	21°41	17°56	2°29	S 8
S 9	7 40 47	26° 3'12	26°41	7°26	12°45	22° 1	3°47	16°31	6°29	2°18	6°15	23°R 6	21°38	18° 2	2°34	S 9
M10	7 44 43	27° 4'11	8♐41	8°54	14° 0	21°44	3°47	16°37	6°31	2°18	6°14	23° 5	21°35	18° 9	2°40	M10
T 11	7 48 40	28° 5'09	20°34	10°22	15°15	21°27	3°R47	16°43	6°32	2°18	6°13	23° 1	21°32	18°16	2°46	T 11
W12	7 52 36	29° 6'06	2♑24	11°52	16°30	21° 8	3°47	16°49	6°33	2°19	6°12	22°54	21°28	18°22	2°51	W12
T 13	7 56 33	0♒ 7'03	14°14	13°22	17°45	20°50	3°47	16°55	6°34	2°19	6°10	22°45	21°25	18°29	2°57	T 13
F 14	8 0 29	1° 7'58	26° 4	14°53	19° 0	20°30	3°46	17° 0	6°35	2°19	6° 9	22°33	21°22	18°36	3° 2	F 14
S 15	8 4 26	2° 8'52	7♒58	16°25	20°15	20°10	3°46	17° 6	6°37	2°20	6° 8	22°19	21°19	18°43	3° 8	S 15
S 16	8 8 23	3° 9'46	19°57	17°57	21°30	19°50	3°45	17°12	6°38	2°20	6° 7	22° 5	21°16	18°49	3°13	S 16
M17	8 12 19	4°10'37	2♓ 0	19°30	22°44	19°29	3°44	17°17	6°38	2°20	6° 5	21°52	21°13	18°56	3°19	M17
T 18	8 16 16	5°11'28	14°11	21° 4	23°59	19° 7	3°43	17°23	6°39	2°21	6° 4	21°41	21° 9	19° 3	3°24	T 18
W19	8 20 12	6°12'16	26°31	22°39	25°14	18°45	3°41	17°28	6°40	2°21	6° 3	21°32	21° 6	19° 9	3°30	W19
T 20	8 24 9	7°13'04	9♈ 2	24°14	26°29	18°23	3°40	17°34	6°41	2°22	6° 2	21°26	21° 3	19°16	3°35	T 20
F 21	8 28 5	8°13'50	21°47	25°50	27°44	18° 0	3°38	17°39	6°42	2°22	6° 0	21°23	21° 0	19°23	3°40	F 21
S 22	8 32 2	9°14'34	4♉50	27°27	28°58	17°37	3°36	17°44	6°42	2°23	5°59	21°D22	20°57	19°30	3°45	S 22
S 23	8 35 58	10°15'16	18°13	29° 5	0♓13	17°14	3°34	17°49	6°43	2°23	5°57	21°R22	20°54	19°36	3°51	S 23
M24	8 39 55	11°15'57	2♊ 1	0♒44	1°28	16°51	3°31	17°54	6°44	2°24	5°56	21°22	20°50	19°43	3°56	M24
T 25	8 43 52	12°16'37	16°15	2°23	2°43	16°27	3°29	18° 0	6°44	2°25	5°55	21°20	20°47	19°50	4° 1	T 25
W26	8 47 48	13°17'14	0♋52	4° 4	3°57	16° 3	3°26	18° 5	6°45	2°25	5°53	21°15	20°44	19°56	4° 6	W26
T 27	8 51 45	14°17'50	15°51	5°45	5°12	15°39	3°23	18° 9	6°45	2°26	5°52	21° 8	20°41	20° 3	4°11	T 27
F 28	8 55 41	15°18'24	1♌ 2	7°27	6°26	15°15	3°20	18°14	6°45	2°27	5°50	20°59	20°38	20°10	4°16	F 28
S 29	8 59 38	16°18'57	16°16	9°10	7°41	14°52	3°17	18°19	6°46	2°28	5°49	20°47	20°34	20°16	4°21	S 29
S 30	9 3 34	17°19'28	1♍22	10°54	8°55	14°28	3°13	18°24	6°46	2°28	5°47	20°35	20°31	20°23	4°26	S 30
M31	9 7 31	18♒19'57	16♍10	12♒38	10♓10	14♌ 4	3♎10	18♐28	6♏46	2♉29	5♍46	20♉25	20♉28	20♑30	4♑31	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s20	23n 0	4n55	23s10	0n20	21s 2	1s27	17n25	4n 0	0s 9	1n25	21s28	1n18	13s15	0n27	10n35	1s51	22n39	14n32	18n44	18n22	26s37	17s58	5n34
S 2	22 12	18 35	5 5	23 20	0 11	20 45	1 28	17 30	4 2	0 9	1 25	21 29	1 18	13 15	0 27	10 35	1 51	22 39	14 33	18 42	18 21	26 37	17 58	5 34
M 3	22 3	13 8	4 55	23 29	0 3	20 28	1 28	17 36	4 4	0 10	1 25	21 30	1 18	13 16	0 27	10 35	1 51	22 40	14 33	18 40	18 20	26 37	17 57	5 34
T 4	21 54	7 10	4 27	23 37	0s 5	20 10	1 29	17 42	4 6	0 10	1 26	21 30	1 18	13 16	0 27	10 35	1 51	22 41	14 34	18 39	18 19	26 36	17 57	5 35
W 5	21 44	1 3	3 44	23 44	0 12	19 51	1 30	17 48	4 8	0 10	1 26	21 31	1 18	13 17	0 27	10 35	1 51	22 42	14 34	18 38	18 18	26 36	17 57	5 35
T 6	21 34	4s55	2 51	23 50	0 20	19 32	1 30	17 55	4 10	0 10	1 26	21 32	1 18	13 17	0 27	10 35	1 51	22 42	14 34	18 37	18 17	26 35	17 56	5 35
F 7	21 24	10 30	1 50	23 55	0 27	19 12	1 31	18 2	4 12	0 11	1 27	21 32	1 18	13 18	0 27	10 35	1 51	22 43	14 35	18 37	18 17	26 35	17 56	5 35
S 8	21 13	15 31	0 46	23 59	0 35	18 52	1 31	18 8	4 14	0 11	1 27	21 33	1 18	13 18	0 27	10 35	1 51	22 44	14 35	18 38	18 16	26 35	17 56	5 36
S 9	21 2	19 48	0s19	24 1	0 42	18 31	1 31	18 15	4 16	0 11	1 27	21 33	1 18	13 19	0 27	10 35	1 51	22 45	14 35	18 38	18 15	26 34	17 55	5 36
M10	20 50	23 12	1 22	24 3	0 48	18 10	1 32	18 23	4 17	0 10	1 27	21 34	1 18	13 19	0 27	10 35	1 51	22 45	14 36	18 37	18 14	26 34	17 55	5 36
T 11	20 38	25 33	2 21	24 3	0 55	17 48	1 32	18 30	4 19	0 10	1 28	21 35	1 18	13 19	0 27	10 36	1 51	22 46	14 36	18 36	18 13	26 33	17 55	5 36
W12	20 26	26 44	3 13	24 1	1 1	17 25	1 32	18 37	4 21	0 10	1 28	21 35	1 18	13 20	0 27	10 36	1 51	22 47	14 37	18 35	18 13	26 33	17 54	5 37
T 13	20 13	26 42	3 57	23 59	1 7	17 2	1 32	18 45	4 22	0 10	1 28	21 36	1 18	13 20	0 27	10 36	1 51	22 48	14 37	18 32	18 12	26 32	17 54	5 37
F 14	20 0	25 26	4 30	23 55	1 13	16 39	1 32	18 53	4 24	0 9	1 29	21 36	1 18	13 21	0 27	10 36	1 51	22 48	14 37	18 29	18 11	26 32	17 53	5 37
S 15	19 46	23 3	4 52	23 50	1 19	16 15	1 32	19 0	4 25	0 9	1 29	21 37	1 18	13 21	0 27	10 36	1 51	22 49	14 38	18 26	18 10	26 31	17 53	5 37
S 16	19 32	19 38	5 1	23 43	1 24	15 51	1 32	19 8	4 26	0 8	1 29	21 37	1 18	13 21	0 27	10 36	1 51	22 50	14 38	18 22	18 9	26 31	17 53	5 38
M17	19 18	15 24	4 56	23 35	1 29	15 26	1 32	19 16	4 27	0 7	1 29	21 38	1 18	13 21	0 27	10 37	1 50	22 51	14 38	18 19	18 8	26 30	17 52	5 38
T 18	19 3	10 31	4 38	23 25	1 34	15 1	1 32	19 24	4 28	0 7	1 30	21 38	1 18	13 22	0 27	10 37	1 50	22 52	14 38	18 16	18 8	26 30	17 52	5 38
W19	18 48	5 10	4 7	23 14	1 38	14 36	1 31	19 32	4 29	0 6	1 30	21 39	1 19	13 22	0 28	10 37	1 50	22 52	14 39	18 13	18 7	26 29	17 51	5 39
T 20	18 33	0n28	3 24	23 2	1 42	14 10	1 31	19 40	4 30	0 5	1 30	21 39	1 19	13 22	0 28	10 37	1 50	22 53	14 39	18 12	18 6	26 29	17 51	5 39
F 21	18 17	6 13	2 30	22 48	1 46	13 44	1 30	19 48	4 31	0 4	1 30	21 40	1 19	13 22	0 28	10 37	1 50	22 54	14 39	18 11	18 5	26 28	17 50	5 39
S 22	18 1	11 50	1 26	22 33	1 49	13 17	1 30	19 55	4 32	0 3	1 31	21 40	1 19	13 23	0 28	10 38	1 50	22 55	14 40	18 11	18 4	26 28	17 50	5 40
S 23	17 45	17 4	0 17	22 16	1 53	12 50	1 29	20 3	4 32	0 2	1 31	21 41	1 19	13 23	0 28	10 38	1 50	22 56	14 40	18 11	18 3	26 27	17 49	5 40
M24	17 28	21 34	0n56	21 57	1 56	12 23	1 29	20 11	4 33	0 1	1 31	21 41	1 19	13 23	0 28	10 38	1 50	22 56	14 40	18 11	18 2	26 27	17 49	5 40
T 25	17 11	24 56	2 7	21 38	1 58	11 55	1 28	20 19	4 33	0n 1	1 31	21 41	1 19	13 23	0 28	10 38	1 50	22 57	14 40	18 10	18 2	26 26	17 48	5 41
W26	16 54	26 45	3 12	21 16	2 0	11 27	1 27	20 26	4 33	0 2	1 32	21 42	1 19	13 23	0 28	10 39	1 50	22 58	14 41	18 9	18 1	26 26	17 48	5 41
T 27	16 37	26 40	4 6	20 53	2 2	10 59	1 26	20 34	4 34	0 3	1 32	21 42	1 19	13 23	0 28	10 39	1 50	22 59	14 41	18 7	18 0	26 25	17 47	5 41
F 28	16 19	24 36	4 42	20 28	2 3	10 30	1 25	20 41	4 34	0 5	1 32	21 43	1 19	13 24	0 28	10 39	1 50	22 59	14 41	18 5	17 59	26 24	17 47	5 42
S 29	16 1	20 47	4 59	20 2	2 4	10 1	1 24	20 48	4 34	0 6	1 32	21 43	1 19	13 24	0 28	10 40	1 50	23 0	14 41	18 2	17 58	26 24	17 46	5 42
S 30	15 43	15 37	4 55	19 34	2 5	9 32	1 23	20 55	4 33	0 8	1 33	21 43	1 19	13 24	0 28	10 40	1 50	23 1	14 42	17 59	17 57	26 23	17 46	5 42
M31	15s24	9n38	4n31	19s 5	2s 5	9s 3	1s22	21n 2	4n33	0n 9	1n33	21s44	1n19	13s24	0n28	10n40	1s50	23n 2	14n42	17n56	17n57	26s23	17s45	5n43

Julian Day Number = 2167393.5, Delta T = 12m37s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'30, Lahiri = 13°00'30 Julian Calendar 1 Jan. 1222 == Greg. Calendar 8 Jan. 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

FEBRUARY 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 27	19♒20'25	0♎32	14♒24	11♓24	13°R40	3°R 6	18♐33	6♏46	2♉30	5°R44	20°R16	20♉25	20♑37	4♑35	T 1
W 2	9 15 24	20°20'51	14°24	16°11	12°39	13♌17	3♎ 2	18°38	6°46	2°31	5♍43	20♉10	20°22	20°43	4°40	W 2
T 3	9 19 21	21°21'16	27°47	17°58	13°53	12°54	2°58	18°42	6°R46	2°32	5°41	20° 7	20°19	20°50	4°45	T 3
F 4	9 23 17	22°21'39	10♏41	19°46	15° 7	12°31	2°54	18°46	6°46	2°33	5°40	20° 6	20°15	20°57	4°50	F 4
S 5	9 27 14	23°22'02	23°12	21°36	16°22	12° 8	2°49	18°51	6°46	2°34	5°38	20° 6	20°12	21° 3	4°54	S 5
S 6	9 31 10	24°22'22	5♐25	23°26	17°36	11°46	2°45	18°55	6°46	2°35	5°37	20° 5	20° 9	21°10	4°59	S 6
M 7	9 35 7	25°22'42	17°24	25°17	18°50	11°24	2°40	18°59	6°46	2°36	5°35	20° 4	20° 6	21°17	5° 3	M 7
T 8	9 39 3	26°23'00	29°16	27° 9	20° 4	11° 2	2°35	19° 3	6°45	2°37	5°34	20° 0	20° 3	21°23	5° 8	T 8
W 9	9 43 0	27°23'16	11♑ 5	29° 2	21°19	10°41	2°30	19° 7	6°45	2°38	5°32	19°53	20° 0	21°30	5°12	W 9
T 10	9 46 56	28°23'31	22°54	0♓56	22°33	10°20	2°25	19°11	6°45	2°40	5°31	19°44	19°56	21°37	5°16	T 10
F 11	9 50 53	29°23'44	4♒48	2°51	23°47	10° 0	2°19	19°15	6°44	2°41	5°29	19°32	19°53	21°44	5°20	F 11
S 12	9 54 50	0♓23'55	16°47	4°46	25° 1	9°41	2°14	19°18	6°44	2°42	5°27	19°18	19°50	21°50	5°25	S 12
S 13	9 58 46	1°24'04	28°54	6°41	26°15	9°22	2° 8	19°22	6°43	2°43	5°26	19° 3	19°47	21°57	5°29	S 13
M14	10 2 43	2°24'12	11♓ 9	8°37	27°29	9° 4	2° 2	19°26	6°43	2°45	5°24	18°50	19°44	22° 4	5°33	M14
T 15	10 6 39	3°24'17	23°33	10°33	28°43	8°46	1°56	19°29	6°42	2°46	5°23	18°38	19°40	22°10	5°37	T 15
W16	10 10 36	4°24'21	6♈ 7	12°29	29°57	8°29	1°50	19°32	6°41	2°47	5°21	18°29	19°37	22°17	5°41	W16
T 17	10 14 32	5°24'22	18°51	14°25	1♈11	8°13	1°44	19°36	6°41	2°49	5°19	18°22	19°34	22°24	5°45	T 17
F 18	10 18 29	6°24'21	1♉47	16°21	2°24	7°57	1°38	19°39	6°40	2°50	5°18	18°19	19°31	22°31	5°48	F 18
S 19	10 22 25	7°24'18	14°56	18°16	3°38	7°42	1°32	19°42	6°39	2°51	5°16	18°D18	19°28	22°37	5°52	S 19
S 20	10 26 22	8°24'13	28°21	20° 9	4°52	7°28	1°25	19°45	6°38	2°53	5°15	18°18	19°25	22°44	5°56	S 20
M21	10 30 18	9°24'06	12♊ 3	22° 1	6° 6	7°15	1°18	19°48	6°37	2°54	5°13	18°R18	19°21	22°51	5°59	M21
T 22	10 34 15	10°23'57	26° 5	23°52	7°19	7° 2	1°12	19°51	6°36	2°56	5°12	18°17	19°18	22°57	6° 3	T 22
W23	10 38 12	11°23'45	10♋25	25°40	8°33	6°50	1° 5	19°54	6°35	2°57	5°10	18°14	19°15	23° 4	6° 6	W23
T 24	10 42 8	12°23'31	25° 1	27°25	9°46	6°39	0°58	19°56	6°34	2°59	5° 8	18° 8	19°12	23°11	6°10	T 24
F 25	10 46 5	13°23'15	9♌50	29° 7	11° 0	6°29	0°51	19°59	6°33	3° 1	5° 7	18° 0	19° 9	23°18	6°13	F 25
S 26	10 50 1	14°22'56	24°43	0♈45	12°13	6°20	0°44	20° 2	6°32	3° 2	5° 5	17°51	19° 6	23°24	6°16	S 26
S 27	10 53 58	15°22'35	9♍32	2°19	13°26	6°11	0°37	20° 4	6°31	3° 4	5° 4	17°41	19° 2	23°31	6°20	S 27
M28	10 57 54	16♓22'12	24♍ 9	3♈49	14♈40	6♌ 3	0♎29	20♐ 6	6♏29	3♉ 6	5♍ 2	17♉32	18♉59	23♑38	6♑23	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 5	3n18	3n50	18s34	2s 5	8s34	1s21	21n 8	4n33	0n11	1n33	21s44	1n19	13s24	0n28	10n41	1s49	23n 2	14n42	17n53	17n56	26s22	17s45	5n43
W 2	14 46	3s 0	2 56	18 2	2 4	8 4	1 19	21 15	4 32	0 13	1 33	21 44	1 19	13 24	0 28	10 41	1 49	23 3	14 42	17 52	17 55	26 21	17 44	5 43
T 3	14 27	8 56	1 55	17 27	2 3	7 34	1 18	21 21	4 32	0 15	1 34	21 45	1 19	13 24	0 28	10 42	1 49	23 4	14 42	17 51	17 54	26 21	17 44	5 44
F 4	14 7	14 19	0 50	16 52	2 1	7 4	1 17	21 27	4 31	0 17	1 34	21 45	1 19	13 24	0 28	10 42	1 49	23 5	14 43	17 51	17 53	26 20	17 43	5 44
S 5	13 47	18 55	0s16	16 14	1 59	6 33	1 15	21 33	4 30	0 19	1 34	21 45	1 19	13 24	0 28	10 42	1 49	23 5	14 43	17 51	17 52	26 20	17 43	5 45
S 6	13 27	22 37	1 20	15 35	1 56	6 3	1 14	21 38	4 29	0 21	1 34	21 46	1 19	13 24	0 28	10 43	1 49	23 6	14 43	17 50	17 51	26 19	17 42	5 45
M 7	13 7	25 15	2 19	14 55	1 53	5 32	1 12	21 43	4 28	0 23	1 35	21 46	1 19	13 24	0 28	10 43	1 49	23 7	14 43	17 50	17 51	26 18	17 41	5 46
T 8	12 47	26 43	3 11	14 13	1 49	5 1	1 10	21 49	4 27	0 25	1 35	21 46	1 19	13 23	0 28	10 44	1 49	23 8	14 43	17 49	17 50	26 18	17 41	5 46
W 9	12 26	26 58	3 55	13 30	1 45	4 31	1 9	21 53	4 26	0 27	1 35	21 46	1 19	13 23	0 28	10 44	1 49	23 8	14 43	17 47	17 49	26 17	17 40	5 46
T 10	12 5	26 0	4 28	12 45	1 40	4 0	1 7	21 58	4 24	0 29	1 35	21 47	1 19	13 23	0 28	10 45	1 49	23 9	14 44	17 45	17 48	26 16	17 40	5 47
F 11	11 44	23 50	4 50	11 58	1 34	3 28	1 5	22 2	4 23	0 32	1 35	21 47	1 20	13 23	0 28	10 45	1 49	23 10	14 44	17 41	17 47	26 16	17 39	5 47
S 12	11 23	20 37	4 59	11 10	1 28	2 57	1 3	22 6	4 22	0 34	1 36	21 47	1 20	13 23	0 28	10 45	1 49	23 11	14 44	17 38	17 46	26 15	17 38	5 48
S 13	11 1	16 31	4 55	10 21	1 22	2 26	1 1	22 10	4 20	0 37	1 36	21 47	1 20	13 23	0 28	10 46	1 49	23 11	14 44	17 34	17 45	26 14	17 38	5 48
M14	10 40	11 41	4 38	9 31	1 14	1 54	0 59	22 13	4 19	0 39	1 36	21 48	1 20	13 22	0 28	10 46	1 49	23 12	14 44	17 30	17 45	26 13	17 37	5 49
T 15	10 18	6 21	4 7	8 40	1 6	1 23	0 57	22 16	4 17	0 42	1 36	21 48	1 20	13 22	0 28	10 47	1 49	23 13	14 44	17 27	17 44	26 13	17 37	5 49
W16	9 56	0 40	3 23	7 48	0 58	0 52	0 55	22 19	4 15	0 44	1 36	21 48	1 20	13 22	0 28	10 47	1 49	23 13	14 44	17 24	17 43	26 12	17 36	5 50
T 17	9 34	5n 7	2 29	6 54	0 49	0 20	0 53	22 22	4 13	0 47	1 37	21 48	1 20	13 22	0 28	10 48	1 49	23 14	14 44	17 22	17 42	26 11	17 35	5 50
F 18	9 12	10 48	1 26	6 1	0 39	0n12	0 50	22 24	4 11	0 50	1 37	21 48	1 20	13 21	0 28	10 49	1 49	23 15	14 44	17 21	17 41	26 11	17 35	5 51
S 19	8 50	16 6	0 18	5 6	0 29	0 43	0 48	22 26	4 10	0 52	1 37	21 49	1 20	13 21	0 28	10 49	1 48	23 15	14 44	17 21	17 40	26 10	17 34	5 51
S 20	8 27	20 44	0n53	4 11	0 18	1 15	0 46	22 28	4 8	0 55	1 37	21 49	1 20	13 21	0 28	10 50	1 48	23 16	14 44	17 21	17 39	26 9	17 33	5 52
M21	8 5	24 22	2 3	3 17	0 7	1 46	0 43	22 30	4 6	0 58	1 37	21 49	1 20	13 21	0 28	10 50	1 48	23 17	14 44	17 21	17 39	26 8	17 33	5 52
T 22	7 42	26 35	3 6	2 22	0n 5	2 18	0 41	22 31	4 4	1 1	1 37	21 49	1 20	13 20	0 28	10 51	1 48	23 17	14 44	17 21	17 38	26 8	17 32	5 52
W23	7 19	27 7	4 0	1 28	0 17	2 49	0 38	22 32	4 1	1 3	1 37	21 49	1 20	13 20	0 28	10 51	1 48	23 18	14 44	17 20	17 37	26 7	17 31	5 53
T 24	6 56	25 47	4 39	0 35	0 30	3 20	0 36	22 33	3 59	1 6	1 38	21 49	1 20	13 19	0 28	10 52	1 48	23 18	14 44	17 18	17 36	26 6	17 31	5 53
F 25	6 33	22 40	5 0	0n18	0 43	3 52	0 33	22 33	3 57	1 9	1 38	21 50	1 20	13 19	0 28	10 52	1 48	23 19	14 44	17 16	17 35	26 5	17 30	5 54
S 26	6 10	18 3	5 1	1 9	0 56	4 23	0 31	22 34	3 55	1 12	1 38	21 50	1 20	13 19	0 28	10 53	1 48	23 20	14 44	17 14	17 34	26 4	17 29	5 55
S 27	5 47	12 22	4 41	1 59	1 9	4 54	0 28	22 34	3 53	1 15	1 38	21 50	1 21	13 18	0 28	10 54	1 48	23 20	14 44	17 11	17 33	26 4	17 29	5 55
M28	5s24	6n 4	4n 4	2n46	1n22	5n25	0s25	22n34	3n50	1n18	1n38	21s50	1n21	13s18	0n28	10n54	1s48	23n21	14n44	17n 8	17n32	26s 3	17s28	5n56

Julian Day Number = 2167424.5, Delta T = 12m37s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'34, Lahiri = 13°00'34 Julian Calendar 1 Feb. 1222 == Greg. Calendar 8 Feb. 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

MARCH 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 51	17♓21'47	8♎25	5♈13	15♈53	5°R56	0°R22	20♐ 8	6°R28	3♉ 7	5°R 1	17°R24	18♉56	23♑44	6♑26	T 1
W 2	11 5 47	18°21'20	22°17	6°31	17° 6	5♌49	0♎15	20°11	6♏27	3° 9	4♍59	17♉19	18°53	23°51	6°29	W 2
T 3	11 9 44	19°20'51	5♏42	7°44	18°19	5°44	0° 7	20°13	6°25	3°11	4°57	17°16	18°50	23°58	6°32	T 3
F 4	11 13 41	20°20'21	18°41	8°50	19°32	5°39	29♍59	20°15	6°24	3°12	4°56	17°D16	18°46	24° 4	6°35	F 4
S 5	11 17 37	21°19'48	1♐17	9°50	20°45	5°35	29°52	20°16	6°22	3°14	4°54	17°16	18°43	24°11	6°37	S 5
S 6	11 21 34	22°19'14	13°34	10°43	21°58	5°32	29°45	20°18	6°21	3°16	4°53	17°17	18°40	24°18	6°40	S 6
M 7	11 25 30	23°18'38	25°37	11°28	23°11	5°29	29°37	20°20	6°19	3°18	4°51	17°R18	18°37	24°25	6°43	M 7
T 8	11 29 27	24°18'01	7♑32	12° 6	24°24	5°28	29°29	20°21	6°18	3°20	4°50	17°17	18°34	24°31	6°45	T 8
W 9	11 33 23	25°17'21	19°22	12°37	25°37	5°27	29°22	20°23	6°16	3°21	4°48	17°14	18°31	24°38	6°48	W 9
T 10	11 37 20	26°16'40	1♒14	13° 0	26°50	5°D26	29°14	20°24	6°14	3°23	4°47	17° 8	18°27	24°45	6°50	T 10
F 11	11 41 16	27°15'57	13°10	13°16	28° 2	5°27	29° 6	20°25	6°12	3°25	4°46	17° 1	18°24	24°51	6°52	F 11
S 12	11 45 13	28°15'11	25°15	13°24	29°15	5°28	28°58	20°27	6°11	3°27	4°44	16°52	18°21	24°58	6°55	S 12
S 13	11 49 10	29°14'24	7♓30	13°R25	0♉28	5°30	28°51	20°28	6° 9	3°29	4°43	16°43	18°18	25° 5	6°57	S 13
M14	11 53 6	0♈13'35	19°57	13°19	1°40	5°33	28°43	20°29	6° 7	3°31	4°41	16°35	18°15	25°12	6°59	M14
T 15	11 57 3	1°12'44	2♈37	13° 6	2°53	5°36	28°35	20°29	6° 5	3°33	4°40	16°27	18°11	25°18	7° 1	T 15
W16	12 0 59	2°11'50	15°30	12°46	4° 5	5°40	28°28	20°30	6° 3	3°35	4°39	16°21	18° 8	25°25	7° 3	W16
T 17	12 4 56	3°10'55	28°34	12°21	5°17	5°45	28°20	20°31	6° 1	3°37	4°37	16°18	18° 5	25°32	7° 4	T 17
F 18	12 8 52	4° 9'57	11♉50	11°50	6°30	5°50	28°12	20°31	5°59	3°39	4°36	16°D16	18° 2	25°38	7° 6	F 18
S 19	12 12 49	5° 8'57	25°18	11°15	7°42	5°56	28° 4	20°32	5°57	3°41	4°34	16°16	17°59	25°45	7° 8	S 19
S 20	12 16 45	6° 7'55	8♊57	10°36	8°54	6° 3	27°57	20°32	5°55	3°43	4°33	16°18	17°56	25°52	7° 9	S 20
M21	12 20 42	7° 6'51	22°47	9°54	10° 6	6°10	27°49	20°32	5°53	3°45	4°32	16°19	17°52	25°59	7°11	M21
T 22	12 24 39	8° 5'44	6♋48	9°10	11°18	6°18	27°42	20°33	5°51	3°47	4°31	16°R20	17°49	26° 5	7°12	T 22
W23	12 28 35	9° 4'35	21° 0	8°24	12°30	6°27	27°34	20°R33	5°49	3°49	4°29	16°19	17°46	26°12	7°14	W23
T 24	12 32 32	10° 3'24	5♌19	7°38	13°42	6°36	27°27	20°33	5°47	3°51	4°28	16°17	17°43	26°19	7°15	T 24
F 25	12 36 28	11° 2'10	19°44	6°53	14°53	6°46	27°19	20°33	5°44	3°53	4°27	16°13	17°40	26°25	7°16	F 25
S 26	12 40 25	12° 0'54	4♍ 9	6° 9	16° 5	6°56	27°12	20°32	5°42	3°55	4°26	16° 8	17°37	26°32	7°17	S 26
S 27	12 44 21	12°59'36	18°31	5°27	17°17	7° 7	27° 5	20°32	5°40	3°58	4°25	16° 3	17°33	26°39	7°18	S 27
M28	12 48 18	13°58'15	2♎42	4°47	18°28	7°18	26°58	20°32	5°38	4° 0	4°23	15°59	17°30	26°46	7°19	M28
T 29	12 52 14	14°56'53	16°39	4°11	19°39	7°30	26°51	20°31	5°35	4° 2	4°22	15°55	17°27	26°52	7°20	T 29
W30	12 56 11	15°55'28	0♏16	3°39	20°51	7°43	26°44	20°31	5°33	4° 4	4°21	15°52	17°24	26°59	7°21	W30
T 31	13 0 8	16♈54'02	13♏33	3♈11	22♉ 2	7♌56	26♍37	20♐30	5♏31	4♉ 6	4♍20	15°D51	17♉21	27♑ 6	7♑21	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	5s 1	0s25	3n12	3n32	1n35	5n56	0s22	22n33	3n48	1n21	1n38	21s50	1n21	13s17	0n28	10n55	1s48	23n21	14n44	17n 6	17n32	26s 2	17s27	5n56	
W 2	4 37	6 43	2 9	4 15	1 47	6 27	0 20	22 33	3 46	1 24	1 38	21 50	1 21	13 17	0 28	10 55	1 48	23 22	14 44	17 5	17 31	26 1	17 27	5 57	
T 3	4 14	12 31	1 1	4 55	2 0	6 57	0 17	22 32	3 44	1 27	1 38	21 50	1 21	13 16	0 28	10 56	1 48	23 22	14 44	17 4	17 30	26 0	17 26	5 57	
F 4	3 51	17 35	0s 8	5 32	2 12	7 28	0 14	22 31	3 41	1 30	1 38	21 50	1 21	13 16	0 28	10 57	1 48	23 23	14 44	17 4	17 29	25 59	17 25	5 58	
S 5	3 27	21 43	1 14	6 6	2 23	7 58	0 11	22 29	3 39	1 33	1 38	21 50	1 21	13 15	0 28	10 57	1 48	23 24	14 44	17 4	17 28	25 59	17 25	5 58	
S 6	3 4	24 47	2 16	6 37	2 34	8 28	0 8	22 28	3 37	1 36	1 38	21 50	1 21	13 15	0 28	10 58	1 48	23 24	14 44	17 4	17 27	25 58	17 24	5 59	
M 7	2 40	26 39	3 11	7 4	2 44	8 58	0 5	22 26	3 34	1 40	1 39	21 50	1 21	13 14	0 28	10 59	1 48	23 25	14 44	17 4	17 26	25 57	17 23	5 59	
T 8	2 16	27 15	3 56	7 27	2 53	9 28	0 2	22 25	3 32	1 43	1 39	21 50	1 21	13 14	0 28	10 59	1 48	23 25	14 44	17 4	17 25	25 56	17 23	6 0	
W 9	1 53	26 37	4 31	7 47	3 1	9 57	0n 1	22 23	3 30	1 46	1 39	21 50	1 21	13 13	0 28	11 0	1 48	23 26	14 44	17 3	17 25	25 55	17 22	6 0	
T 10	1 29	24 46	4 55	8 3	3 8	10 27	0 4	22 20	3 27	1 49	1 39	21 51	1 21	13 13	0 28	11 1	1 48	23 26	14 44	17 1	17 24	25 54	17 21	6 1	
F 11	1 6	21 49	5 6	8 14	3 14	10 56	0 7	22 18	3 25	1 52	1 39	21 51	1 21	13 12	0 28	11 1	1 48	23 26	14 44	16 59	17 23	25 53	17 21	6 2	
S 12	0 42	17 55	5 3	8 21	3 19	11 24	0 10	22 15	3 23	1 55	1 39	21 51	1 21	13 12	0 28	11 2	1 48	23 27	14 44	16 57	17 22	25 52	17 20	6 2	
S 13	0 18	13 13	4 47	8 25	3 22	11 53	0 13	22 13	3 20	1 58	1 39	21 51	1 21	13 11	0 28	11 3	1 48	23 27	14 43	16 54	17 21	25 51	17 19	6 3	
M14	0n 5	7 55	4 17	8 24	3 23	12 21	0 16	22 10	3 18	2 1	1 39	21 51	1 22	13 10	0 28	11 3	1 47	23 28	14 43	16 52	17 20	25 51	17 19	6 3	
T 15	0 29	2 13	3 33	8 19	3 24	12 49	0 19	22 7	3 16	2 4	1 39	21 51	1 22	13 10	0 28	11 4	1 47	23 28	14 43	16 50	17 19	25 50	17 18	6 4	
W16	0 53	3n41	2 38	8 10	3 22	13 17	0 22	22 4	3 14	2 7	1 39	21 51	1 22	13 9	0 28	11 5	1 47	23 28	14 43	16 48	17 18	25 49	17 17	6 4	
T 17	1 16	9 33	1 34	7 57	3 19	13 44	0 25	22 0	3 11	2 11	1 39	21 51	1 22	13 8	0 28	11 6	1 47	23 29	14 43	16 47	17 17	25 48	17 17	6 5	
F 18	1 40	15 4	0 24	7 41	3 14	14 11	0 28	21 57	3 9	2 14	1 39	21 51	1 22	13 8	0 28	11 6	1 47	23 29	14 43	16 47	17 17	25 47	17 16	6 6	
S 19	2 3	19 58	0n49	7 21	3 8	14 38	0 32	21 53	3 7	2 17	1 39	21 50	1 22	13 7	0 28	11 7	1 47	23 30	14 43	16 47	17 16	25 46	17 15	6 6	
S 20	2 27	23 52	2 0	6 58	3 0	15 4	0 35	21 49	3 4	2 20	1 39	21 50	1 22	13 6	0 28	11 8	1 47	23 30	14 42	16 47	17 15	25 45	17 15	6 7	
M21	2 50	26 25	3 5	6 33	2 50	15 30	0 38	21 45	3 2	2 23	1 39	21 50	1 22	13 6	0 28	11 8	1 47	23 30	14 42	16 47	17 14	25 44	17 14	6 7	
T 22	3 13	27 22	4 0	6 5	2 39	15 56	0 41	21 41	3 0	2 26	1 39	21 50	1 22	13 5	0 28	11 9	1 47	23 31	14 42	16 48	17 13	25 43	17 13	6 8	
W23	3 37	26 31	4 41	5 36	2 27	16 21	0 44	21 37	2 58	2 29	1 39	21 50	1 22	13 4	0 28	11 10	1 47	23 31	14 42	16 47	17 12	25 42	17 13	6 8	
T 24	4 0	23 57	5 5	5 5	2 14	16 46	0 47	21 32	2 56	2 31	1 38	21 50	1 22	13 4	0 28	11 11	1 47	23 31	14 42	16 47	17 11	25 41	17 12	6 9	
F 25	4 23	19 52	5 10	4 34	1 59	17 10	0 50	21 28	2 53	2 34	1 38	21 50	1 22	13 3	0 28	11 11	1 47	23 31	14 41	16 46	17 10	25 40	17 11	6 10	
S 26	4 46	14 37	4 56	4 2	1 44	17 34	0 53	21 23	2 51	2 37	1 38	21 50	1 22	13 2	0 28	11 12	1 47	23 32	14 41	16 44	17 9	25 39	17 11	6 10	
S 27	5 9	8 35	4 23	3 31	1 28	17 58	0 57	21 18	2 49	2 40	1 38	21 50	1 22	13 1	0 28	11 13	1 47	23 32	14 41	16 43	17 9	25 38	17 10	6 11	
M28	5 32	2 11	3 34	3 1	1 12	18 21	1 0	21 13	2 47	2 43	1 38	21 50	1 22	13 1	0 28	11 14	1 47	23 32	14 41	16 41	17 8	25 37	17 10	6 11	
T 29	5 55	4s13	2 33	2 31	0 55	18 44	1 3	21 8	2 45	2 45	1 38	21 50	1 23	13 0	0 28	11 14	1 47	23 32	14 40	16 40	17 7	25 36	17 9	6 12	
W30	6 18	10 18	1 24	2 3	0 39	19 6	1 6	21 2	2 43	2 48	1 38	21 50	1 23	12 59	0 28	11 15	1 47	23 33	14 40	16 40	17 6	25 35	17 8	6 13	
T 31	6n40	15s46	0n13	1n37	0n22	19n28	1n 9	20n57	2n41	2n51	1n38	21s50	1n23	12s58	0n28	11n16	1s47	23n33	14n40	16n39	17n 5	25s34	17s 8	6n13	

Julian Day Number = 2167452.5, Delta T = 12m37s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'38, Lahiri = 13°00'38 Julian Calendar 1 March 1222 == Greg. Calendar 8 March 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

APRIL 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 4 4	17♈52'34	26♏29	2°R47	23♉13	8♌ 9	26°R30	20°R29	5°R28	4♉ 8	4°R19	15♉52	17♉17	27♊12	7♊22	F 1
S 2	13 8 1	18°51'04	9♐ 5	2♈29	24°24	8°23	26♍23	20♐28	5♏26	4°11	4♍18	15°53	17°14	27°19	7°23	S 2
S 3	13 11 57	19°49'33	21°24	2°15	25°35	8°38	26°17	20°27	5°24	4°13	4°17	15°55	17°11	27°26	7°23	S 3
M 4	13 15 54	20°48'00	3♊30	2° 6	26°46	8°53	26°10	20°26	5°21	4°15	4°16	15°56	17° 8	27°33	7°23	M 4
T 5	13 19 50	21°46'25	15°27	2°D 3	27°57	9° 8	26° 4	20°25	5°19	4°17	4°15	15°57	17° 5	27°39	7°24	T 5
W 6	13 23 47	22°44'48	27°20	2° 4	29° 8	9°24	25°57	20°24	5°16	4°19	4°14	15°R57	17° 2	27°46	7°24	W 6
T 7	13 27 43	23°43'10	9♒13	2°11	0♊18	9°41	25°51	20°22	5°14	4°22	4°13	15°56	16°58	27°53	7°24	T 7
F 8	13 31 40	24°41'30	21°12	2°22	1°29	9°57	25°45	20°21	5°12	4°24	4°12	15°55	16°55	27°59	7°R24	F 8
S 9	13 35 37	25°39'49	3♓20	2°38	2°39	10°15	25°39	20°19	5° 9	4°26	4°11	15°52	16°52	28° 6	7°24	S 9
S 10	13 39 33	26°38'06	15°41	2°58	3°50	10°32	25°34	20°18	5° 7	4°28	4°10	15°49	16°49	28°13	7°24	S 10
M11	13 43 30	27°36'21	28°17	3°23	5° 0	10°50	25°28	20°16	5° 4	4°30	4°10	15°46	16°46	28°20	7°23	M11
T 12	13 47 26	28°34'35	11♈10	3°53	6°10	11° 9	25°22	20°14	5° 2	4°33	4° 9	15°44	16°43	28°26	7°23	T 12
W13	13 51 23	29°32'47	24°20	4°26	7°20	11°28	25°17	20°12	4°59	4°35	4° 8	15°42	16°39	28°33	7°23	W13
T 14	13 55 19	0♉30'57	7♉47	5° 4	8°30	11°47	25°12	20°10	4°57	4°37	4° 7	15°41	16°36	28°40	7°22	T 14
F 15	13 59 16	1°29'06	21°28	5°45	9°40	12° 7	25° 7	20° 8	4°54	4°39	4° 7	15°D41	16°33	28°46	7°22	F 15
S 16	14 3 12	2°27'12	5♊22	6°30	10°50	12°27	25° 2	20° 6	4°52	4°42	4° 6	15°42	16°30	28°53	7°21	S 16
S 17	14 7 9	3°25'17	19°25	7°18	12° 0	12°47	24°57	20° 4	4°49	4°44	4° 5	15°43	16°27	29° 0	7°20	S 17
M18	14 11 5	4°23'21	3♋35	8°10	13° 9	13° 8	24°52	20° 1	4°46	4°46	4° 5	15°44	16°23	29° 7	7°20	M18
T 19	14 15 2	5°21'22	17°48	9° 5	14°19	13°29	24°48	19°59	4°44	4°49	4° 4	15°44	16°20	29°13	7°19	T 19
W20	14 18 59	6°19'21	2♌ 3	10° 3	15°28	13°50	24°43	19°56	4°41	4°51	4° 4	15°R45	16°17	29°20	7°18	W20
T 21	14 22 55	7°17'18	16°16	11° 4	16°37	14°12	24°39	19°54	4°39	4°53	4° 3	15°45	16°14	29°27	7°17	T 21
F 22	14 26 52	8°15'13	0♍25	12° 8	17°46	14°34	24°35	19°51	4°36	4°55	4° 2	15°44	16°11	29°33	7°16	F 22
S 23	14 30 48	9°13'07	14°27	13°14	18°55	14°57	24°31	19°48	4°34	4°58	4° 2	15°44	16° 8	29°40	7°14	S 23
S 24	14 34 45	10°10'58	28°21	14°24	20° 4	15°19	24°28	19°45	4°31	5° 0	4° 2	15°43	16° 4	29°47	7°13	S 24
M25	14 38 41	11° 8'48	12♎ 4	15°36	21°13	15°42	24°24	19°43	4°29	5° 2	4° 1	15°42	16° 1	29°54	7°12	M25
T 26	14 42 38	12° 6'36	25°34	16°51	22°22	16° 6	24°21	19°40	4°26	5° 4	4° 1	15°42	15°58	0♒ 0	7°10	T 26
W27	14 46 34	13° 4'23	8♏49	18° 8	23°30	16°29	24°18	19°37	4°24	5° 7	4° 0	15°42	15°55	0° 7	7° 9	W27
T 28	14 50 31	14° 2'08	21°49	19°28	24°38	16°53	24°15	19°34	4°21	5° 9	4° 0	15°D42	15°52	0°14	7° 7	T 28
F 29	14 54 28	14°59'52	4♐33	20°50	25°47	17°18	24°12	19°30	4°19	5°11	4° 0	15°42	15°48	0°20	7° 6	F 29
S 30	14 58 24	15♉57'34	17♐ 3	22♈14	26♊55	17♌42	24♍ 9	19♐27	4♏16	5♉13	3♍59	15°R42	15♉45	0♒27	7♊ 4	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 3	20s23	0s58	1n12	0n 6	19n49	1n12	20n52	2n39	2n53	1n38	21s49	1n23	12s57	0n28	11n16	1s47	23n33	14n40	16n39	17n 4	25s33	17s 7	6n14
S 2	7 25	23 57	2 4	0 50	0s10	20 10	1 15	20 46	2 37	2 56	1 38	21 49	1 23	12 57	0 28	11 17	1 47	23 33	14 39	16 40	17 3	25 32	17 6	6 14
S 3	7 47	26 18	3 3	0 31	0 25	20 30	1 18	20 40	2 35	2 59	1 38	21 49	1 23	12 56	0 28	11 18	1 47	23 33	14 39	16 40	17 2	25 31	17 6	6 15
M 4	8 9	27 22	3 52	0 13	0 40	20 50	1 21	20 34	2 33	3 1	1 37	21 49	1 23	12 55	0 28	11 19	1 47	23 33	14 39	16 41	17 1	25 30	17 5	6 15
T 5	8 31	27 8	4 31	0s 1	0 55	21 9	1 24	20 28	2 31	3 3	1 37	21 49	1 23	12 54	0 28	11 20	1 47	23 33	14 39	16 41	17 0	25 28	17 5	6 16
W 6	8 53	25 39	4 58	0 13	1 8	21 27	1 26	20 22	2 29	3 6	1 37	21 49	1 23	12 53	0 28	11 20	1 47	23 34	14 38	16 41	17 0	25 27	17 4	6 17
T 7	9 15	23 2	5 12	0 22	1 21	21 45	1 29	20 16	2 27	3 8	1 37	21 49	1 23	12 53	0 28	11 21	1 47	23 34	14 38	16 41	16 59	25 26	17 3	6 17
F 8	9 36	19 26	5 13	0 29	1 34	22 3	1 32	20 9	2 25	3 10	1 37	21 48	1 23	12 52	0 28	11 22	1 47	23 34	14 38	16 40	16 58	25 25	17 3	6 18
S 9	9 58	14 59	5 0	0 33	1 45	22 20	1 35	20 3	2 23	3 13	1 37	21 48	1 23	12 51	0 28	11 23	1 47	23 34	14 38	16 40	16 57	25 24	17 2	6 18
S 10	10 19	9 51	4 33	0 35	1 56	22 36	1 38	19 56	2 21	3 15	1 36	21 48	1 23	12 50	0 28	11 23	1 47	23 34	14 37	16 39	16 56	25 23	17 2	6 19
M11	10 40	4 14	3 52	0 34	2 6	22 52	1 40	19 49	2 19	3 17	1 36	21 48	1 23	12 49	0 28	11 24	1 47	23 34	14 37	16 38	16 55	25 22	17 1	6 20
T 12	11 1	1n41	2 59	0 31	2 15	23 7	1 43	19 42	2 17	3 19	1 36	21 48	1 23	12 48	0 28	11 25	1 47	23 34	14 37	16 37	16 54	25 21	17 1	6 20
W13	11 22	7 41	1 55	0 25	2 23	23 22	1 46	19 35	2 16	3 21	1 36	21 48	1 23	12 48	0 28	11 26	1 47	23 34	14 36	16 37	16 53	25 20	17 0	6 21
T 14	11 42	13 29	0 44	0 17	2 31	23 36	1 48	19 28	2 14	3 23	1 36	21 47	1 23	12 47	0 28	11 26	1 47	23 34	14 36	16 36	16 52	25 18	16 59	6 21
F 15	12 2	18 43	0n32	0 7	2 37	23 49	1 51	19 21	2 12	3 25	1 36	21 47	1 23	12 46	0 28	11 27	1 47	23 34	14 36	16 36	16 51	25 17	16 59	6 22
S 16	12 23	23 2	1 47	0n 5	2 43	24 2	1 53	19 14	2 10	3 27	1 35	21 47	1 23	12 45	0 28	11 28	1 47	23 34	14 35	16 37	16 50	25 16	16 58	6 22
S 17	12 43	26 2	2 56	0 20	2 49	24 14	1 55	19 6	2 9	3 28	1 35	21 47	1 23	12 44	0 28	11 29	1 47	23 34	14 35	16 37	16 50	25 15	16 58	6 23
M18	13 2	27 24	3 55	0 36	2 53	24 25	1 58	18 58	2 7	3 30	1 35	21 47	1 23	12 43	0 28	11 29	1 47	23 34	14 35	16 37	16 49	25 14	16 57	6 23
T 19	13 22	26 58	4 40	0 54	2 57	24 36	2 0	18 51	2 5	3 32	1 35	21 46	1 24	12 43	0 28	11 30	1 47	23 34	14 34	16 37	16 48	25 12	16 57	6 24
W20	13 41	24 47	5 7	1 14	3 0	24 46	2 2	18 43	2 3	3 33	1 35	21 46	1 24	12 42	0 28	11 31	1 47	23 33	14 34	16 37	16 47	25 11	16 56	6 25
T 21	14 0	21 3	5 16	1 36	3 2	24 56	2 4	18 35	2 2	3 35	1 34	21 46	1 24	12 41	0 28	11 32	1 47	23 33	14 34	16 37	16 46	25 10	16 56	6 25
F 22	14 19	16 8	5 6	2 0	3 4	25 4	2 6	18 27	2 0	3 36	1 34	21 46	1 24	12 40	0 28	11 32	1 47	23 33	14 33	16 37	16 45	25 9	16 55	6 26
S 23	14 38	10 25	4 38	2 25	3 5	25 12	2 8	18 18	1 58	3 37	1 34	21 46	1 24	12 39	0 28	11 33	1 47	23 33	14 33	16 37	16 44	25 8	16 55	6 26
S 24	14 56	4 13	3 53	2 52	3 5	25 20	2 10	18 10	1 57	3 39	1 34	21 45	1 24	12 38	0 28	11 34	1 47	23 33	14 33	16 37	16 43	25 6	16 54	6 27
M25	15 14	2s 6	2 56	3 20	3 4	25 27	2 12	18 2	1 55	3 40	1 34	21 45	1 24	12 38	0 28	11 35	1 47	23 33	14 32	16 37	16 42	25 5	16 54	6 27
T 26	15 32	8 14	1 49	3 49	3 3	25 33	2 14	17 53	1 54	3 41	1 33	21 45	1 24	12 37	0 28	11 35	1 47	23 33	14 32	16 37	16 41	25 4	16 54	6 28
W27	15 50	13 54	0 38	4 20	3 2	25 38	2 15	17 44	1 52	3 42	1 33	21 45	1 24	12 36	0 28	11 36	1 47	23 32	14 32	16 37	16 40	25 3	16 53	6 28
T 28	16 7	18 51	0s34	4 53	2 59	25 43	2 17	17 36	1 50	3 43	1 33	21 44	1 24	12 35	0 28	11 37	1 47	23 32	14 31	16 37	16 39	25 2	16 53	6 29
F 29	16 24	22 49	1 43	5 26	2 56	25 47	2 19	17 27	1 49	3 44	1 33	21 44	1 24	12 34	0 28	11 38	1 47	23 32	14 31	16 37	16 39	25 0	16 52	6 29
S 30	16n41	25s39	2s45	6n 1	2s53	25n50	2n20	17n18	1n47	3n45	1n32	21s44	1n24	12s33	0n28	11n38	1s47	23n32	14n30	16n37	16n38	24s59	16s52	6n30

Julian Day Number = 2167483.5, Delta T = 12m37s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'42, Lahiri = 13°00'42 Julian Calendar 1 Apr. 1222 == Greg. Calendar 8 Apr. 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

MAY 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 21	16♉55'16	29♐19	23♈41	28♊ 3	18♌ 7	24°R 7	19°R24	4°R14	5♉15	3°R59	15°R42	15♉42	0♒34	7°R 2	S 1
M 2	15 6 17	17°52'56	11♑24	25°11	29°10	18°32	24♍ 4	19♐20	4♏12	5°18	3♍59	15♉42	15°39	0°41	7♑ 0	M 2
T 3	15 10 14	18°50'35	23°21	26°42	0♋18	18°57	24° 2	19°17	4° 9	5°20	3°59	15°41	15°36	0°47	6°58	T 3
W 4	15 14 10	19°48'13	5♒14	28°16	1°25	19°23	24° 0	19°14	4° 7	5°22	3°59	15°41	15°33	0°54	6°56	W 4
T 5	15 18 7	20°45'49	17° 8	29°52	2°33	19°48	23°59	19°10	4° 4	5°24	3°59	15°D41	15°29	1° 1	6°54	T 5
F 6	15 22 4	21°43'25	29° 7	1♉31	3°40	20°15	23°57	19° 6	4° 2	5°26	3°58	15°41	15°26	1° 8	6°52	F 6
S 7	15 26 0	22°41'00	11♓15	3°12	4°47	20°41	23°56	19° 3	4° 0	5°29	3°58	15°41	15°23	1°14	6°50	S 7
S 8	15 29 57	23°38'34	23°37	4°55	5°54	21° 7	23°54	18°59	3°57	5°31	3°D58	15°42	15°20	1°21	6°48	S 8
M 9	15 33 53	24°36'07	6♈17	6°40	7° 0	21°34	23°53	18°55	3°55	5°33	3°58	15°43	15°17	1°28	6°45	M 9
T 10	15 37 50	25°33'39	19°16	8°28	8° 7	22° 1	23°53	18°51	3°53	5°35	3°58	15°43	15°14	1°34	6°43	T 10
W11	15 41 46	26°31'10	2♉38	10°18	9°13	22°28	23°52	18°47	3°50	5°37	3°59	15°44	15°10	1°41	6°41	W11
T 12	15 45 43	27°28'40	16°22	12°10	10°19	22°56	23°51	18°44	3°48	5°39	3°59	15°R44	15° 7	1°48	6°38	T 12
F 13	15 49 39	28°26'09	0♊26	14° 4	11°25	23°23	23°51	18°40	3°46	5°42	3°59	15°44	15° 4	1°55	6°36	F 13
S 14	15 53 36	29°23'37	14°46	16° 0	12°31	23°51	23°D51	18°36	3°44	5°44	3°59	15°43	15° 1	2° 1	6°33	S 14
S 15	15 57 33	0♊21'05	29°17	17°59	13°37	24°19	23°51	18°32	3°42	5°46	3°59	15°41	14°58	2° 8	6°30	S 15
M16	16 1 29	1°18'31	13♋53	20° 0	14°42	24°48	23°51	18°27	3°39	5°48	3°59	15°40	14°54	2°15	6°28	M16
T 17	16 5 26	2°15'56	28°28	22° 2	15°47	25°16	23°52	18°23	3°37	5°50	4° 0	15°38	14°51	2°21	6°25	T 17
W18	16 9 22	3°13'19	12♌56	24° 7	16°52	25°45	23°52	18°19	3°35	5°52	4° 0	15°36	14°48	2°28	6°22	W18
T 19	16 13 19	4°10'42	27°14	26°13	17°57	26°14	23°53	18°15	3°33	5°54	4° 0	15°35	14°45	2°35	6°19	T 19
F 20	16 17 15	5° 8'03	11♍18	28°20	19° 2	26°43	23°54	18°11	3°31	5°56	4° 1	15°D35	14°42	2°42	6°16	F 20
S 21	16 21 12	6° 5'23	25° 7	0♊29	20° 6	27°12	23°55	18° 7	3°29	5°58	4° 1	15°36	14°39	2°48	6°13	S 21
S 22	16 25 8	7° 2'42	8♎41	2°39	21°10	27°42	23°56	18° 2	3°27	6° 0	4° 1	15°37	14°35	2°55	6°10	S 22
M23	16 29 5	8° 0'00	22° 1	4°50	22°14	28°11	23°58	17°58	3°25	6° 2	4° 2	15°39	14°32	3° 2	6° 7	M23
T 24	16 33 2	8°57'17	5♏ 6	7° 1	23°17	28°41	23°59	17°54	3°23	6° 4	4° 2	15°40	14°29	3° 8	6° 4	T 24
W25	16 36 58	9°54'33	17°59	9°13	24°21	29°11	24° 1	17°49	3°21	6° 6	4° 3	15°R40	14°26	3°15	6° 1	W25
T 26	16 40 55	10°51'48	0♐39	11°25	25°24	29°41	24° 3	17°45	3°20	6° 8	4° 3	15°39	14°23	3°22	5°57	T 26
F 27	16 44 51	11°49'03	13° 8	13°37	26°27	0♍12	24° 5	17°41	3°18	6°10	4° 4	15°37	14°20	3°29	5°54	F 27
S 28	16 48 48	12°46'18	25°26	15°48	27°29	0°42	24° 8	17°36	3°16	6°12	4° 4	15°34	14°16	3°35	5°51	S 28
S 29	16 52 44	13°43'31	7♑34	17°58	28°31	1°13	24°10	17°32	3°14	6°14	4° 5	15°30	14°13	3°42	5°47	S 29
M30	16 56 41	14°40'45	19°36	20° 8	29°33	1°44	24°13	17°27	3°13	6°15	4° 6	15°25	14°10	3°49	5°44	M30
T 31	17 0 37	15♊37'58	1♒31	22♊16	0♌35	2♍15	24♍16	17♐23	3♏11	6♉17	4♍ 6	15♉20	14♉ 7	3♒56	5♑41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n58	27s11	3s39	6n37	2s49	25n53	2n21	17n 8	1n46	3n45	1n32	21s43	1n24	12s33	0n28	11n39	1s47	23n31	14n30	16n37	16n37	24s58	16s51	6n30
M 2	17 14	27 24	4 22	7 14	2 44	25 55	2 23	16 59	1 44	3 46	1 32	21 43	1 24	12 32	0 28	11 40	1 47	23 31	14 30	16 36	16 36	24 56	16 51	6 31
T 3	17 30	26 19	4 53	7 52	2 39	25 56	2 24	16 50	1 43	3 47	1 32	21 43	1 24	12 31	0 28	11 41	1 47	23 31	14 29	16 36	16 35	24 55	16 51	6 31
W 4	17 46	24 4	5 11	8 31	2 33	25 57	2 25	16 40	1 41	3 47	1 31	21 43	1 24	12 30	0 28	11 41	1 47	23 31	14 29	16 36	16 34	24 54	16 50	6 32
T 5	18 1	20 47	5 17	9 11	2 27	25 57	2 26	16 31	1 40	3 48	1 31	21 42	1 24	12 29	0 28	11 42	1 47	23 30	14 29	16 36	16 33	24 53	16 50	6 32
F 6	18 16	16 38	5 8	9 52	2 20	25 56	2 27	16 21	1 38	3 48	1 31	21 42	1 24	12 29	0 28	11 43	1 47	23 30	14 28	16 36	16 32	24 51	16 49	6 33
S 7	18 31	11 46	4 46	10 33	2 13	25 55	2 27	16 11	1 37	3 49	1 31	21 42	1 24	12 28	0 28	11 43	1 47	23 30	14 28	16 36	16 31	24 50	16 49	6 33
S 8	18 46	6 22	4 10	11 15	2 5	25 52	2 28	16 1	1 35	3 49	1 30	21 41	1 24	12 27	0 28	11 44	1 47	23 29	14 27	16 37	16 30	24 49	16 49	6 34
M 9	19 0	0 35	3 21	11 58	1 57	25 50	2 29	15 51	1 34	3 49	1 30	21 41	1 24	12 26	0 28	11 45	1 47	23 29	14 27	16 37	16 29	24 47	16 48	6 34
T 10	19 14	5n24	2 21	12 41	1 48	25 46	2 29	15 41	1 33	3 49	1 30	21 41	1 24	12 26	0 28	11 45	1 47	23 29	14 27	16 37	16 28	24 46	16 48	6 35
W11	19 28	11 19	1 12	13 24	1 39	25 42	2 29	15 31	1 31	3 49	1 30	21 41	1 24	12 25	0 28	11 46	1 47	23 28	14 26	16 37	16 27	24 45	16 48	6 35
T 12	19 41	16 52	0n 3	14 8	1 30	25 38	2 30	15 21	1 30	3 49	1 29	21 40	1 24	12 24	0 28	11 47	1 47	23 28	14 26	16 37	16 26	24 43	16 47	6 36
F 13	19 54	21 38	1 20	14 51	1 20	25 32	2 30	15 10	1 28	3 49	1 29	21 40	1 24	12 23	0 28	11 48	1 47	23 27	14 25	16 37	16 26	24 42	16 47	6 36
S 14	20 6	25 13	2 34	15 35	1 10	25 26	2 30	15 0	1 27	3 49	1 29	21 40	1 24	12 23	0 28	11 48	1 47	23 27	14 25	16 37	16 25	24 41	16 47	6 36
S 15	20 19	27 10	3 38	16 19	0 59	25 19	2 30	14 49	1 26	3 49	1 29	21 39	1 24	12 22	0 28	11 49	1 47	23 27	14 25	16 36	16 24	24 39	16 46	6 37
M16	20 31	27 16	4 28	17 2	0 49	25 12	2 30	14 38	1 24	3 48	1 28	21 39	1 24	12 21	0 28	11 50	1 47	23 26	14 24	16 36	16 23	24 38	16 46	6 37
T 17	20 42	25 28	5 1	17 44	0 38	25 4	2 29	14 27	1 23	3 48	1 28	21 39	1 24	12 20	0 28	11 50	1 47	23 26	14 24	16 35	16 22	24 36	16 46	6 38
W18	20 53	22 2	5 15	18 26	0 27	24 56	2 29	14 16	1 22	3 47	1 28	21 38	1 24	12 20	0 28	11 51	1 47	23 25	14 24	16 35	16 21	24 35	16 46	6 38
T 19	21 4	17 19	5 9	19 7	0 17	24 47	2 28	14 5	1 20	3 47	1 28	21 38	1 24	12 19	0 28	11 52	1 47	23 25	14 23	16 35	16 20	24 34	16 45	6 38
F 20	21 15	11 44	4 44	19 47	0 6	24 37	2 27	13 54	1 19	3 46	1 27	21 38	1 23	12 18	0 28	11 52	1 47	23 24	14 23	16 35	16 19	24 32	16 45	6 39
S 21	21 25	5 40	4 3	20 25	0n 5	24 27	2 27	13 43	1 18	3 45	1 27	21 37	1 23	12 18	0 28	11 53	1 47	23 24	14 22	16 35	16 18	24 31	16 45	6 39
S 22	21 35	0s33	3 10	21 2	0 16	24 16	2 26	13 31	1 17	3 45	1 27	21 37	1 23	12 17	0 28	11 53	1 47	23 23	14 22	16 35	16 17	24 29	16 45	6 40
M23	21 44	6 39	2 6	21 37	0 26	24 5	2 25	13 20	1 15	3 44	1 27	21 37	1 23	12 16	0 28	11 54	1 47	23 23	14 22	16 36	16 16	24 28	16 45	6 40
T 24	21 53	12 22	0 58	22 10	0 36	23 53	2 23	13 8	1 14	3 43	1 26	21 36	1 23	12 16	0 28	11 55	1 47	23 22	14 21	16 36	16 15	24 27	16 44	6 40
W25	22 2	17 28	0s13	22 41	0 46	23 40	2 22	12 57	1 13	3 42	1 26	21 36	1 23	12 15	0 28	11 55	1 47	23 22	14 21	16 36	16 14	24 25	16 44	6 41
T 26	22 10	21 42	1 21	23 9	0 55	23 27	2 20	12 45	1 12	3 41	1 26	21 36	1 23	12 15	0 28	11 56	1 47	23 21	14 20	16 36	16 13	24 24	16 44	6 41
F 27	22 18	24 52	2 25	23 35	1 4	23 14	2 19	12 33	1 10	3 40	1 26	21 35	1 23	12 14	0 28	11 57	1 47	23 21	14 20	16 35	16 12	24 22	16 44	6 41
S 28	22 26	26 48	3 21	23 58	1 12	22 59	2 17	12 21	1 9	3 39	1 25	21 35	1 23	12 13	0 28	11 57	1 48	23 20	14 20	16 34	16 11	24 21	16 44	6 41
S 29	22 33	27 26	4 7	24 19	1 20	22 45	2 15	12 9	1 8	3 37	1 25	21 35	1 23	12 13	0 28	11 58	1 48	23 19	14 19	16 33	16 10	24 19	16 44	6 42
M30	22 39	26 44	4 41	24 37	1 27	22 30	2 13	11 57	1 7	3 36	1 25	21 34	1 23	12 12	0 28	11 58	1 48	23 19	14 19	16 32	16 10	24 18	16 43	6 42
T 31	22n46	24s49	5s 3	24n52	1n33	22n14	2n11	11n44	1n 6	3n35	1n25	21s34	1n23	12s12	0n28	11n59	1s48	23n18	14n19	16n30	16n 9	24s16	16s43	6n42

Julian Day Number = 2167513.5, Delta T = 12m37s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'46, Lahiri = 13°00'47 Julian Calendar 1 May 1222 == Greg. Calendar 8 May 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

JUNE 1222 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 4 34	16♊35'10	13♒24	24♊23	1♌36	2♍46	24♍19	17°R19	3°R 9	6♉19	4♍ 7	15°R15	14♉ 4	4♒ 2	5°R37	W 1
T 2	17 8 31	17°32'22	25°17	26°29	2°37	3°17	24°22	17♐14	3♏ 8	6°21	4° 8	15♉12	14° 0	4° 9	5♑34	T 2
F 3	17 12 27	18°29'35	7♓14	28°33	3°38	3°49	24°25	17°10	3° 6	6°23	4° 9	15°10	13°57	4°16	5°30	F 3
S 4	17 16 24	19°26'47	19°21	0♋35	4°38	4°20	24°29	17° 5	3° 5	6°24	4° 9	15°D 9	13°54	4°22	5°27	S 4
S 5	17 20 20	20°23'58	1♈40	2°35	5°38	4°52	24°33	17° 1	3° 3	6°26	4°10	15°10	13°51	4°29	5°23	S 5
M 6	17 24 17	21°21'10	14°18	4°33	6°38	5°24	24°37	16°57	3° 2	6°28	4°11	15°11	13°48	4°36	5°19	M 6
T 7	17 28 13	22°18'22	27°17	6°29	7°37	5°56	24°41	16°52	3° 1	6°30	4°12	15°13	13°45	4°43	5°16	T 7
W 8	17 32 10	23°15'34	10♉42	8°23	8°36	6°28	24°45	16°48	2°59	6°31	4°13	15°R14	13°41	4°49	5°12	W 8
T 9	17 36 6	24°12'46	24°33	10°15	9°35	7° 1	24°49	16°43	2°58	6°33	4°14	15°13	13°38	4°56	5° 9	T 9
F 10	17 40 3	25° 9'58	8♊50	12° 5	10°33	7°33	24°54	16°39	2°57	6°35	4°15	15°11	13°35	5° 3	5° 5	F 10
S 11	17 44 0	26° 7'10	23°29	13°53	11°31	8° 6	24°58	16°35	2°56	6°36	4°16	15° 8	13°32	5°10	5° 1	S 11
S 12	17 47 56	27° 4'21	8♋23	15°39	12°28	8°39	25° 3	16°31	2°54	6°38	4°17	15° 2	13°29	5°16	4°58	S 12
M13	17 51 53	28° 1'33	23°24	17°22	13°25	9°12	25° 8	16°26	2°53	6°39	4°18	14°56	13°26	5°23	4°54	M13
T 14	17 55 49	28°58'45	8♌22	19° 3	14°21	9°45	25°13	16°22	2°52	6°41	4°19	14°50	13°22	5°30	4°50	T 14
W15	17 59 46	29°55'56	23°10	20°43	15°17	10°18	25°18	16°18	2°51	6°43	4°20	14°44	13°19	5°36	4°46	W15
T 16	18 3 42	0♋53'07	7♍40	22°20	16°13	10°51	25°24	16°14	2°50	6°44	4°21	14°41	13°16	5°43	4°43	T 16
F 17	18 7 39	1°50'17	21°49	23°55	17° 8	11°25	25°29	16° 9	2°49	6°45	4°22	14°38	13°13	5°50	4°39	F 17
S 18	18 11 35	2°47'27	5♎36	25°27	18° 2	11°59	25°35	16° 5	2°49	6°47	4°24	14°D38	13°10	5°57	4°35	S 18
S 19	18 15 32	3°44'37	19° 1	26°58	18°56	12°32	25°41	16° 1	2°48	6°48	4°25	14°39	13° 6	6° 3	4°31	S 19
M20	18 19 29	4°41'47	2♏ 7	28°26	19°49	13° 6	25°47	15°57	2°47	6°50	4°26	14°40	13° 3	6°10	4°28	M20
T 21	18 23 25	5°38'57	14°55	29°52	20°42	13°40	25°53	15°53	2°46	6°51	4°27	14°R40	13° 0	6°17	4°24	T 21
W22	18 27 22	6°36'07	27°30	1♌16	21°34	14°14	25°59	15°49	2°46	6°52	4°29	14°40	12°57	6°23	4°20	W22
T 23	18 31 18	7°33'17	9♐53	2°38	22°25	14°48	26° 6	15°45	2°45	6°54	4°30	14°37	12°54	6°30	4°16	T 23
F 24	18 35 15	8°30'28	22° 8	3°57	23°16	15°23	26°12	15°41	2°44	6°55	4°31	14°31	12°51	6°37	4°13	F 24
S 25	18 39 11	9°27'38	4♑14	5°14	24° 6	15°57	26°19	15°37	2°44	6°56	4°33	14°24	12°47	6°44	4° 9	S 25
S 26	18 43 8	10°24'49	16°15	6°28	24°56	16°32	26°26	15°34	2°43	6°58	4°34	14°15	12°44	6°50	4° 5	S 26
M27	18 47 5	11°22'00	28°12	7°40	25°44	17° 6	26°33	15°30	2°43	6°59	4°36	14° 4	12°41	6°57	4° 2	M27
T 28	18 51 1	12°19'12	10♒ 5	8°49	26°32	17°41	26°40	15°26	2°43	7° 0	4°37	13°53	12°38	7° 4	3°58	T 28
W29	18 54 58	13°16'24	21°57	9°56	27°20	18°16	26°47	15°22	2°42	7° 1	4°38	13°43	12°35	7°11	3°54	W29
T 30	18 58 54	14♋13'37	3♓50	11♌ 0	28♌ 6	18♍51	26♍54	15♐19	2♏42	7♉ 2	4♍40	13♉35	12♉32	7♒17	3♑51	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n52	21s50	5s12	25n 4	1n39	21n59	2n 9	11n32	1n 4	3n33	1n24	21s34	1n23	12s11	0n28	11n59	1s48	23n18	14n18	16n29	16n 8	24s15	16s43	6n43
T 2	22 57	17 58	5 7	25 13	1 43	21 42	2 6	11 19	1 3	3 32	1 24	21 33	1 23	12 11	0 27	12 0	1 48	23 17	14 18	16 28	16 7	24 13	16 43	6 43
F 3	23 2	13 21	4 49	25 20	1 48	21 25	2 3	11 7	1 2	3 30	1 24	21 33	1 23	12 10	0 27	12 1	1 48	23 16	14 17	16 27	16 6	24 12	16 43	6 43
S 4	23 7	8 11	4 18	25 23	1 51	21 8	2 1	10 54	1 1	3 29	1 24	21 33	1 23	12 10	0 27	12 1	1 48	23 16	14 17	16 27	16 5	24 10	16 43	6 43
S 5	23 12	2 37	3 35	25 25	1 54	20 50	1 58	10 41	1 0	3 27	1 23	21 32	1 22	12 9	0 27	12 2	1 48	23 15	14 17	16 27	16 4	24 9	16 43	6 44
M 6	23 16	3n12	2 40	25 23	1 56	20 32	1 54	10 29	0 59	3 25	1 23	21 32	1 22	12 9	0 27	12 2	1 48	23 14	14 16	16 28	16 3	24 7	16 43	6 44
T 7	23 19	9 4	1 36	25 20	1 57	20 14	1 51	10 16	0 57	3 23	1 23	21 32	1 22	12 8	0 27	12 3	1 48	23 14	14 16	16 28	16 2	24 6	16 43	6 44
W 8	23 22	14 43	0 25	25 14	1 58	19 55	1 48	10 3	0 56	3 22	1 23	21 31	1 22	12 8	0 27	12 3	1 48	23 13	14 16	16 28	16 1	24 4	16 43	6 44
T 9	23 25	19 48	0n50	25 6	1 57	19 36	1 44	9 50	0 55	3 20	1 22	21 31	1 22	12 8	0 27	12 4	1 48	23 12	14 15	16 28	16 0	24 3	16 42	6 44
F 10	23 27	23 55	2 5	24 56	1 57	19 17	1 40	9 36	0 54	3 18	1 22	21 31	1 22	12 7	0 27	12 4	1 48	23 12	14 15	16 28	15 59	24 1	16 42	6 44
S 11	23 29	26 35	3 12	24 43	1 55	18 57	1 36	9 23	0 53	3 15	1 22	21 30	1 22	12 7	0 27	12 5	1 48	23 11	14 15	16 27	15 58	24 0	16 42	6 45
S 12	23 31	27 24	4 8	24 29	1 53	18 37	1 32	9 10	0 52	3 13	1 22	21 30	1 22	12 6	0 27	12 5	1 48	23 10	14 14	16 25	15 57	23 58	16 42	6 45
M13	23 32	26 13	4 47	24 14	1 50	18 16	1 28	8 56	0 51	3 11	1 21	21 30	1 22	12 6	0 27	12 6	1 48	23 10	14 14	16 23	15 56	23 56	16 42	6 45
T 14	23 32	23 10	5 6	23 57	1 47	17 56	1 24	8 43	0 50	3 9	1 21	21 29	1 22	12 6	0 27	12 6	1 48	23 9	14 14	16 21	15 55	23 55	16 42	6 45
W15	23 33	18 39	5 5	23 38	1 43	17 35	1 19	8 29	0 49	3 7	1 21	21 29	1 21	12 5	0 27	12 7	1 48	23 8	14 13	16 20	15 54	23 53	16 42	6 45
T 16	23 32	13 7	4 44	23 18	1 38	17 14	1 14	8 16	0 48	3 4	1 21	21 29	1 21	12 5	0 27	12 7	1 48	23 7	14 13	16 19	15 53	23 52	16 42	6 45
F 17	23 32	7 1	4 6	22 57	1 33	16 52	1 9	8 2	0 47	3 2	1 20	21 28	1 21	12 5	0 27	12 7	1 48	23 7	14 13	16 18	15 52	23 50	16 42	6 45
S 18	23 31	0 45	3 15	22 34	1 27	16 30	1 4	7 48	0 46	2 59	1 20	21 28	1 21	12 5	0 27	12 8	1 48	23 6	14 12	16 18	15 51	23 48	16 43	6 45
S 19	23 29	5s25	2 14	22 11	1 21	16 9	0 59	7 34	0 44	2 57	1 20	21 28	1 21	12 4	0 27	12 8	1 48	23 5	14 12	16 18	15 50	23 47	16 43	6 45
M20	23 27	11 12	1 7	21 46	1 14	15 47	0 53	7 20	0 43	2 54	1 20	21 27	1 21	12 4	0 27	12 9	1 49	23 4	14 12	16 18	15 49	23 45	16 43	6 46
T 21	23 25	16 24	0s 1	21 21	1 7	15 24	0 48	7 6	0 42	2 51	1 19	21 27	1 21	12 4	0 27	12 9	1 49	23 4	14 11	16 19	15 48	23 44	16 43	6 46
W22	23 23	20 48	1 8	20 56	0 59	15 2	0 42	6 52	0 41	2 49	1 19	21 27	1 21	12 4	0 27	12 9	1 49	23 3	14 11	16 18	15 48	23 42	16 43	6 46
T 23	23 20	24 11	2 11	20 29	0 51	14 39	0 36	6 38	0 40	2 46	1 19	21 26	1 21	12 3	0 27	12 10	1 49	23 2	14 11	16 17	15 47	23 40	16 43	6 46
F 24	23 16	26 25	3 7	20 2	0 42	14 17	0 29	6 23	0 39	2 43	1 19	21 26	1 20	12 3	0 27	12 10	1 49	23 1	14 10	16 16	15 46	23 39	16 43	6 46
S 25	23 12	27 22	3 53	19 35	0 33	13 54	0 23	6 9	0 38	2 40	1 19	21 26	1 20	12 3	0 27	12 11	1 49	23 0	14 10	16 14	15 45	23 37	16 43	6 46
S 26	23 8	27 0	4 29	19 7	0 24	13 31	0 16	5 55	0 37	2 37	1 18	21 26	1 20	12 3	0 27	12 11	1 49	23 0	14 10	16 11	15 44	23 35	16 43	6 46
M27	23 3	25 23	4 52	18 39	0 14	13 8	0 9	5 40	0 36	2 34	1 18	21 25	1 20	12 3	0 27	12 11	1 49	22 59	14 10	16 8	15 43	23 34	16 43	6 46
T 28	22 58	22 39	5 3	18 11	0 4	12 46	0 2	5 26	0 35	2 31	1 18	21 25	1 20	12 3	0 27	12 12	1 49	22 58	14 9	16 5	15 42	23 32	16 43	6 46
W29	22 53	18 59	5 1	17 43	0s 7	12 23	0s 5	5 11	0 34	2 28	1 18	21 25	1 20	12 3	0 27	12 12	1 49	22 57	14 9	16 2	15 41	23 30	16 44	6 46
T 30	22n47	14s34	4s45	17n15	0s18	12n 0	0s12	4n56	0n33	2n25	1n17	21s25	1n20	12s 3	0n27	12n12	1s49	22n56	14n 9	15n59	15n40	23s29	16s44	6n46

Julian Day Number = 2167544.5, Delta T = 12m37s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'50, Lahiri = 13°00'51 Julian Calendar 1 June 1222 == Greg. Calendar 8 June 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

JULY 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 2 51	15♋10'50	15♓47	12♌ 1	28♌51	19♍26	27♍ 2	15°R15	2°R42	7♉ 3	4♍41	13°R29	12♉28	7♒24	3°R47	F 1
S 2	19 6 47	16° 8'04	27°52	12°59	29°36	20° 2	27° 9	15♐12	2♏42	7° 4	4°43	13♉25	12°25	7°31	3♑43	S 2
S 3	19 10 44	17° 5'19	10♈10	13°54	0♍20	20°37	27°17	15° 8	2°42	7° 5	4°44	13°23	12°22	7°37	3°40	S 3
M 4	19 14 40	18° 2'35	22°44	14°47	1° 2	21°12	27°25	15° 5	2°42	7° 6	4°46	13°D23	12°19	7°44	3°36	M 4
T 5	19 18 37	18°59'52	5♉39	15°35	1°44	21°48	27°33	15° 2	2°D42	7° 7	4°48	13°23	12°16	7°51	3°33	T 5
W 6	19 22 34	19°57'09	18°59	16°21	2°25	22°24	27°41	14°59	2°42	7° 8	4°49	13°R23	12°12	7°58	3°29	W 6
T 7	19 26 30	20°54'28	2♊48	17° 3	3° 5	22°59	27°49	14°55	2°42	7° 9	4°51	13°22	12° 9	8° 4	3°26	T 7
F 8	19 30 27	21°51'48	17° 6	17°41	3°44	23°35	27°57	14°52	2°42	7°10	4°53	13°18	12° 6	8°11	3°22	F 8
S 9	19 34 23	22°49'09	1♋50	18°15	4°21	24°11	28° 6	14°49	2°42	7°11	4°54	13°12	12° 3	8°18	3°19	S 9
S 10	19 38 20	23°46'30	16°54	18°45	4°58	24°48	28°14	14°46	2°42	7°12	4°56	13° 4	12° 0	8°25	3°15	S 10
M11	19 42 16	24°43'53	2♌10	19°11	5°33	25°24	28°23	14°44	2°43	7°13	4°58	12°54	11°57	8°31	3°12	M11
T 12	19 46 13	25°41'16	17°25	19°32	6° 7	26° 0	28°32	14°41	2°43	7°13	4°59	12°44	11°53	8°38	3° 9	T 12
W13	19 50 9	26°38'40	2♍30	19°49	6°39	26°37	28°41	14°38	2°43	7°14	5° 1	12°35	11°50	8°45	3° 5	W13
T 14	19 54 6	27°36'05	17°15	20° 1	7°10	27°13	28°49	14°35	2°44	7°15	5° 3	12°28	11°47	8°51	3° 2	T 14
F 15	19 58 3	28°33'30	1♎35	20° 8	7°40	27°50	28°59	14°33	2°44	7°15	5° 5	12°23	11°44	8°58	2°59	F 15
S 16	20 1 59	29°30'56	15°27	20°R10	8° 8	28°26	29° 8	14°30	2°45	7°16	5° 7	12°21	11°41	9° 5	2°56	S 16
S 17	20 5 56	0♌28'22	28°53	20° 7	8°35	29° 3	29°17	14°28	2°46	7°17	5° 8	12°D20	11°38	9°12	2°53	S 17
M18	20 9 52	1°25'50	11♏54	19°58	9° 0	29°40	29°26	14°26	2°46	7°17	5°10	12°R20	11°34	9°18	2°50	M18
T 19	20 13 49	2°23'18	24°35	19°44	9°24	0♎17	29°36	14°23	2°47	7°18	5°12	12°20	11°31	9°25	2°47	T 19
W20	20 17 45	3°20'47	7♐ 0	19°25	9°46	0°54	29°45	14°21	2°48	7°18	5°14	12°18	11°28	9°32	2°44	W20
T 21	20 21 42	4°18'17	19°13	19° 1	10° 6	1°32	29°55	14°19	2°49	7°19	5°16	12°13	11°25	9°38	2°41	T 21
F 22	20 25 38	5°15'48	1♑17	18°32	10°24	2° 9	0♎ 5	14°17	2°49	7°19	5°18	12° 6	11°22	9°45	2°38	F 22
S 23	20 29 35	6°13'20	13°16	17°57	10°40	2°46	0°15	14°15	2°50	7°20	5°20	11°56	11°18	9°52	2°35	S 23
S 24	20 33 32	7°10'53	25°11	17°19	10°54	3°24	0°25	14°14	2°51	7°20	5°22	11°44	11°15	9°59	2°32	S 24
M25	20 37 28	8° 8'27	7♒ 4	16°37	11° 7	4° 2	0°35	14°12	2°52	7°20	5°23	11°30	11°12	10° 5	2°30	M25
T 26	20 41 25	9° 6'02	18°57	15°51	11°17	4°39	0°45	14°10	2°53	7°21	5°25	11°16	11° 9	10°12	2°27	T 26
W27	20 45 21	10° 3'39	0♓50	15° 3	11°25	5°17	0°55	14° 9	2°55	7°21	5°27	11° 3	11° 6	10°19	2°24	W27
T 28	20 49 18	11° 1'17	12°47	14°13	11°31	5°55	1° 5	14° 7	2°56	7°21	5°29	10°52	11° 3	10°26	2°22	T 28
F 29	20 53 14	11°58'56	24°47	13°22	11°34	6°33	1°16	14° 6	2°57	7°21	5°31	10°43	10°59	10°32	2°19	F 29
S 30	20 57 11	12°56'37	6♈56	12°31	11°R36	7°11	1°26	14° 5	2°58	7°22	5°33	10°37	10°56	10°39	2°17	S 30
S 31	21 1 7	13♌54'20	19♈14	11♌41	11♍35	7♎49	1♎37	14♐ 3	3♏ 0	7♉22	5♍35	10♉34	10♉53	10♒46	2♑15	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n40	9s34	4s17	16n48	0s29	11n37	0s20	4n42	0n32	2n22	1n17	21s24	1n19	12s 3	0n27	12n13	1s49	22n56	14n 8	15n57	15n39	23s27	16s44	6n46
S 2	22 34	4 10	3 38	16 20	0 41	11 14	0 28	4 27	0 32	2 19	1 17	21 24	1 19	12 3	0 27	12 13	1 49	22 55	14 8	15 56	15 38	23 25	16 44	6 45
S 3	22 27	1n29	2 47	15 53	0 53	10 51	0 36	4 12	0 31	2 16	1 17	21 24	1 19	12 3	0 27	12 13	1 49	22 54	14 8	15 55	15 37	23 24	16 44	6 45
M 4	22 19	7 13	1 48	15 26	1 5	10 28	0 44	3 57	0 30	2 12	1 17	21 24	1 19	12 3	0 27	12 13	1 49	22 53	14 8	15 55	15 36	23 22	16 44	6 45
T 5	22 11	12 49	0 41	15 0	1 17	10 5	0 53	3 42	0 29	2 9	1 16	21 24	1 19	12 3	0 27	12 14	1 49	22 52	14 7	15 56	15 35	23 20	16 45	6 45
W 6	22 3	18 1	0n30	14 34	1 30	9 42	1 1	3 27	0 28	2 5	1 16	21 23	1 19	12 3	0 26	12 14	1 49	22 51	14 7	15 56	15 34	23 18	16 45	6 45
T 7	21 54	22 28	1 41	14 10	1 43	9 20	1 10	3 12	0 27	2 2	1 16	21 23	1 19	12 3	0 26	12 14	1 49	22 51	14 7	15 55	15 33	23 17	16 45	6 45
F 8	21 46	25 43	2 49	13 46	1 56	8 57	1 19	2 57	0 26	1 59	1 16	21 23	1 18	12 3	0 26	12 14	1 49	22 50	14 7	15 54	15 32	23 15	16 45	6 45
S 9	21 36	27 19	3 47	13 23	2 9	8 35	1 29	2 42	0 25	1 55	1 16	21 23	1 18	12 3	0 26	12 15	1 50	22 49	14 6	15 52	15 31	23 13	16 45	6 45
S 10	21 26	26 57	4 31	13 2	2 22	8 13	1 38	2 27	0 24	1 51	1 15	21 23	1 18	12 3	0 26	12 15	1 50	22 48	14 6	15 50	15 30	23 11	16 46	6 45
M11	21 16	24 34	4 56	12 41	2 35	7 51	1 48	2 11	0 23	1 48	1 15	21 22	1 18	12 3	0 26	12 15	1 50	22 47	14 6	15 47	15 29	23 10	16 46	6 44
T 12	21 6	20 26	5 0	12 22	2 48	7 29	1 58	1 56	0 22	1 44	1 15	21 22	1 18	12 3	0 26	12 15	1 50	22 46	14 6	15 44	15 28	23 8	16 46	6 44
W13	20 55	15 2	4 44	12 5	3 0	7 8	2 8	1 41	0 21	1 40	1 15	21 22	1 18	12 4	0 26	12 15	1 50	22 45	14 6	15 41	15 27	23 6	16 46	6 44
T 14	20 44	8 52	4 8	11 49	3 13	6 46	2 18	1 25	0 20	1 37	1 15	21 22	1 17	12 4	0 26	12 16	1 50	22 45	14 5	15 39	15 26	23 4	16 47	6 44
F 15	20 32	2 23	3 18	11 35	3 25	6 25	2 29	1 10	0 19	1 33	1 15	21 22	1 17	12 4	0 26	12 16	1 50	22 44	14 5	15 37	15 25	23 3	16 47	6 44
S 16	20 20	4s 0	2 17	11 23	3 37	6 5	2 40	0 54	0 19	1 29	1 14	21 22	1 17	12 4	0 26	12 16	1 50	22 43	14 5	15 36	15 24	23 1	16 47	6 43
S 17	20 8	10 1	1 11	11 14	3 48	5 45	2 51	0 39	0 18	1 25	1 14	21 22	1 17	12 4	0 26	12 16	1 50	22 42	14 5	15 36	15 23	22 59	16 48	6 43
M18	19 56	15 26	0 2	11 6	3 59	5 25	3 2	0 23	0 17	1 21	1 14	21 22	1 17	12 5	0 26	12 16	1 50	22 41	14 5	15 36	15 22	22 57	16 48	6 43
T 19	19 43	20 2	1s 4	11 1	4 9	5 6	3 13	0 8	0 16	1 17	1 14	21 21	1 17	12 5	0 26	12 16	1 50	22 40	14 4	15 36	15 21	22 55	16 48	6 43
W20	19 29	23 39	2 6	10 58	4 18	4 47	3 25	0s 8	0 15	1 13	1 14	21 21	1 16	12 5	0 26	12 16	1 50	22 39	14 4	15 36	15 20	22 54	16 48	6 43
T 21	19 16	26 7	3 2	10 58	4 27	4 29	3 36	0 24	0 14	1 9	1 13	21 21	1 16	12 6	0 26	12 16	1 50	22 38	14 4	15 34	15 19	22 52	16 49	6 42
F 22	19 2	27 20	3 48	11 0	4 33	4 11	3 48	0 39	0 13	1 5	1 13	21 21	1 16	12 6	0 26	12 17	1 50	22 38	14 4	15 32	15 18	22 50	16 49	6 42
S 23	18 48	27 15	4 23	11 5	4 39	3 53	4 0	0 55	0 12	1 1	1 13	21 21	1 16	12 6	0 26	12 17	1 50	22 37	14 4	15 29	15 17	22 48	16 49	6 42
S 24	18 33	25 54	4 47	11 13	4 43	3 37	4 13	1 11	0 12	0 57	1 13	21 21	1 16	12 7	0 26	12 17	1 50	22 36	14 4	15 25	15 16	22 46	16 50	6 41
M25	18 19	23 23	4 58	11 23	4 46	3 21	4 25	1 27	0 11	0 53	1 13	21 21	1 15	12 7	0 26	12 17	1 51	22 35	14 3	15 21	15 15	22 44	16 50	6 41
T 26	18 3	19 54	4 57	11 35	4 47	3 6	4 37	1 42	0 10	0 49	1 13	21 21	1 15	12 7	0 26	12 17	1 51	22 34	14 3	15 17	15 14	22 43	16 50	6 41
W27	17 48	15 37	4 42	11 50	4 46	2 51	4 50	1 58	0 9	0 45	1 13	21 21	1 15	12 8	0 26	12 17	1 51	22 33	14 3	15 12	15 13	22 41	16 51	6 41
T 28	17 32	10 43	4 15	12 7	4 43	2 37	5 2	2 14	0 8	0 40	1 12	21 21	1 15	12 8	0 26	12 17	1 51	22 32	14 3	15 9	15 12	22 39	16 51	6 40
F 29	17 16	5 23	3 36	12 26	4 39	2 24	5 15	2 30	0 7	0 36	1 12	21 21	1 15	12 9	0 26	12 17	1 51	22 32	14 3	15 6	15 11	22 37	16 51	6 40
S 30	17 0	0n12	2 47	12 46	4 32	2 12	5 27	2 46	0 7	0 32	1 12	21 21	1 15	12 9	0 26	12 17	1 51	22 31	14 3	15 4	15 10	22 35	16 52	6 40
S 31	16n44	5n52	1s50	13n 8	4s24	2n 1	5s40	3s 2	0n 6	0n27	1n12	21s21	1n14	12s10	0n26	12n17	1s51	22n30	14n 3	15n 3	15n 9	22s33	16s52	6n39

Julian Day Number = 2167574.5, Delta T = 12m36s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'54, Lahiri = 13°00'55 Julian Calendar 1 July 1222 == Greg. Calendar 8 July 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

AUGUST 1222 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 5 4	14♌52'04	1♉48	10°R54	11°R32	8♎27	1♎47	14°R 2	3♏ 1	7♉22	5♍37	10°R33	10♉50	10♒52	2°R12	M 1
T 2	21 9 1	15°49'50	14°40	10♌ 9	11♍26	9° 6	1°58	14♐ 1	3° 2	7°22	5°39	10♉33	10°47	10°59	2♋10	T 2
W 3	21 12 57	16°47'38	27°54	9°29	11°18	9°44	2° 9	14° 0	3° 4	7°22	5°41	10°32	10°44	11° 6	2° 8	W 3
T 4	21 16 54	17°45'27	11♊36	8°53	11° 8	10°23	2°20	14° 0	3° 5	7°R22	5°44	10°31	10°40	11°13	2° 6	T 4
F 5	21 20 50	18°43'19	25°45	8°24	10°55	11° 1	2°31	13°59	3° 7	7°22	5°46	10°27	10°37	11°19	2° 4	F 5
S 6	21 24 47	19°41'12	10♋21	8° 0	10°40	11°40	2°42	13°58	3° 9	7°22	5°48	10°21	10°34	11°26	2° 2	S 6
S 7	21 28 43	20°39'07	25°21	7°44	10°23	12°19	2°53	13°58	3°10	7°22	5°50	10°12	10°31	11°33	2° 0	S 7
M 8	21 32 40	21°37'03	10♌35	7°36	10° 3	12°58	3° 4	13°57	3°12	7°22	5°52	10° 2	10°28	11°40	1°58	M 8
T 9	21 36 36	22°35'01	25°53	7°D35	9°42	13°37	3°15	13°57	3°14	7°21	5°54	9°51	10°24	11°46	1°56	T 9
W10	21 40 33	23°33'01	11♍ 4	7°42	9°18	14°16	3°26	13°57	3°16	7°21	5°56	9°41	10°21	11°53	1°55	W10
T 11	21 44 30	24°31'02	25°58	7°57	8°52	14°55	3°38	13°57	3°17	7°21	5°58	9°34	10°18	12° 0	1°53	T 11
F 12	21 48 26	25°29'05	10♎27	8°21	8°24	15°34	3°49	13°D57	3°19	7°21	6° 0	9°28	10°15	12° 6	1°52	F 12
S 13	21 52 23	26°27'09	24°27	8°53	7°54	16°13	4° 1	13°57	3°21	7°21	6° 2	9°26	10°12	12°13	1°50	S 13
S 14	21 56 19	27°25'15	7♏59	9°33	7°23	16°53	4°12	13°57	3°23	7°20	6° 5	9°D25	10° 9	12°20	1°49	S 14
M15	22 0 16	28°23'22	21° 3	10°21	6°50	17°32	4°24	13°57	3°25	7°20	6° 7	9°25	10° 5	12°27	1°47	M15
T 16	22 4 12	29°21'30	3♐45	11°16	6°16	18°12	4°36	13°58	3°27	7°19	6° 9	9°R25	10° 2	12°33	1°46	T 16
W17	22 8 9	0♍19'40	16° 8	12°18	5°41	18°52	4°47	13°58	3°30	7°19	6°11	9°24	9°59	12°40	1°45	W17
T 18	22 12 5	1°17'52	28°17	13°28	5° 5	19°31	4°59	13°59	3°32	7°19	6°13	9°21	9°56	12°47	1°44	T 18
F 19	22 16 2	2°16'05	10♑17	14°43	4°29	20°11	5°11	13°59	3°34	7°18	6°15	9°15	9°53	12°53	1°43	F 19
S 20	22 19 59	3°14'20	22°11	16° 4	3°52	20°51	5°23	14° 0	3°36	7°18	6°17	9° 6	9°50	13° 0	1°42	S 20
S 21	22 23 55	4°12'36	4♒ 4	17°31	3°14	21°31	5°35	14° 1	3°38	7°17	6°20	8°56	9°46	13° 7	1°41	S 21
M22	22 27 52	5°10'54	15°56	19° 2	2°37	22°11	5°47	14° 2	3°41	7°17	6°22	8°44	9°43	13°14	1°40	M22
T 23	22 31 48	6° 9'14	27°51	20°38	2° 1	22°51	5°59	14° 3	3°43	7°16	6°24	8°32	9°40	13°20	1°40	T 23
W24	22 35 45	7° 7'36	9♓49	22°17	1°25	23°32	6°11	14° 4	3°46	7°15	6°26	8°21	9°37	13°27	1°39	W24
T 25	22 39 41	8° 5'59	21°53	23°59	0°49	24°12	6°23	14° 5	3°48	7°15	6°28	8°11	9°34	13°34	1°39	T 25
F 26	22 43 38	9° 4'24	4♈ 3	25°44	0°15	24°52	6°35	14° 7	3°51	7°14	6°30	8° 4	9°30	13°41	1°38	F 26
S 27	22 47 34	10° 2'52	16°20	27°31	29♌42	25°33	6°48	14° 8	3°53	7°13	6°32	7°59	9°27	13°47	1°38	S 27
S 28	22 51 31	11° 1'21	28°48	29°20	29°10	26°13	7° 0	14° 9	3°56	7°12	6°35	7°57	9°24	13°54	1°37	S 28
M29	22 55 28	11°59'53	11♉28	1♍10	28°40	26°54	7°12	14°11	3°58	7°12	6°37	7°D57	9°21	14° 1	1°37	M29
T 30	22 59 24	12°58'27	24°24	3° 1	28°12	27°35	7°25	14°13	4° 1	7°11	6°39	7°57	9°18	14° 7	1°37	T 30
W31	23 3 21	13♍57'03	7♊38	4♍52	27♌46	28♎15	7♎37	14♐15	4♏ 4	7♉10	6♍41	7°R58	9♉15	14♒14	1°D37	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	16n27	11n26	0s46	13n30	4s14	1n50	5s52	3s17	0n 5	0n23	1n12	21s21	1n14	12s10	0n26	12n17	1s51	22n29	14n 3	15n 3	15n 8	22s31	16s52	6n39			
T 2	16 10	16 39	0n22	13 53	4 2	1 41	6 5	3 33	0 4	0 19	1 12	21 21	1 14	12 11	0 26	12 17	1 51	22 28	14 3	15 3	15 7	22 29	16 53	6 39			
W 3	15 52	21 15	1 30	14 17	3 49	1 33	6 17	3 49	0 3	0 14	1 11	21 21	1 14	12 11	0 26	12 17	1 51	22 27	14 2	15 3	15 6	22 27	16 53	6 38			
T 4	15 35	24 51	2 36	14 40	3 34	1 25	6 29	4 5	0 2	0 10	1 11	21 22	1 14	12 12	0 26	12 17	1 51	22 26	14 2	15 2	15 5	22 26	16 54	6 38			
F 5	15 17	27 3	3 35	15 3	3 18	1 19	6 41	4 21	0 2	0 5	1 11	21 22	1 13	12 12	0 26	12 17	1 51	22 26	14 2	15 1	15 4	22 24	16 54	6 38			
S 6	14 59	27 28	4 21	15 25	3 2	1 14	6 52	4 37	0 1	0 1	1 11	21 22	1 13	12 13	0 26	12 17	1 51	22 25	14 2	14 59	15 3	22 22	16 54	6 37			
S 7	14 40	25 55	4 51	15 46	2 44	1 10	7 4	4 53	0 0	0s 4	1 11	21 22	1 13	12 13	0 25	12 16	1 51	22 24	14 2	14 56	15 2	22 20	16 55	6 37			
M 8	14 22	22 29	5 1	16 5	2 27	1 7	7 15	5 9	0s 1	0 8	1 11	21 22	1 13	12 14	0 25	12 16	1 51	22 23	14 2	14 53	15 1	22 18	16 55	6 36			
T 9	14 3	17 28	4 49	16 23	2 9	1 6	7 25	5 25	0 1	0 13	1 11	21 22	1 13	12 15	0 25	12 16	1 51	22 22	14 2	14 50	15 0	22 16	16 56	6 36			
W10	13 44	11 24	4 17	16 39	1 50	1 5	7 35	5 41	0 2	0 18	1 11	21 22	1 12	12 15	0 25	12 16	1 52	22 21	14 2	14 47	14 59	22 14	16 56	6 36			
T 11	13 24	4 48	3 28	16 52	1 32	1 6	7 45	5 57	0 3	0 22	1 10	21 23	1 12	12 16	0 25	12 16	1 52	22 20	14 2	14 44	14 58	22 12	16 56	6 35			
F 12	13 5	1s54	2 27	17 4	1 14	1 8	7 54	6 13	0 4	0 27	1 10	21 23	1 12	12 17	0 25	12 16	1 52	22 20	14 2	14 43	14 57	22 10	16 57	6 35			
S 13	12 45	8 18	1 18	17 12	0 57	1 11	8 2	6 29	0 5	0 32	1 10	21 23	1 12	12 17	0 25	12 16	1 52	22 19	14 2	14 42	14 56	22 8	16 57	6 34			
S 14	12 25	14 6	0 8	17 18	0 40	1 15	8 10	6 45	0 5	0 36	1 10	21 23	1 12	12 18	0 25	12 16	1 52	22 18	14 2	14 41	14 55	22 6	16 58	6 34			
M15	12 5	19 5	1s 1	17 21	0 23	1 21	8 17	7 0	0 6	0 41	1 10	21 23	1 12	12 19	0 25	12 15	1 52	22 17	14 2	14 41	14 54	22 4	16 58	6 34			
T 16	11 45	23 2	2 5	17 21	0 8	1 27	8 23	7 16	0 7	0 46	1 10	21 24	1 11	12 20	0 25	12 15	1 52	22 16	14 2	14 42	14 53	22 2	16 59	6 33			
W17	11 24	25 50	3 2	17 18	0n 7	1 35	8 28	7 32	0 8	0 51	1 10	21 24	1 11	12 20	0 25	12 15	1 52	22 16	14 2	14 41	14 52	22 0	16 59	6 33			
T 18	11 4	27 21	3 49	17 11	0 21	1 44	8 32	7 48	0 8	0 55	1 10	21 24	1 11	12 21	0 25	12 15	1 52	22 15	14 2	14 40	14 51	21 58	17 0	6 32			
F 19	10 43	27 33	4 25	17 2	0 34	1 54	8 36	8 4	0 9	1 0	1 9	21 24	1 11	12 22	0 25	12 15	1 52	22 14	14 2	14 38	14 50	21 56	17 0	6 32			
S 20	10 22	26 28	4 50	16 49	0 46	2 4	8 39	8 20	0 10	1 5	1 9	21 25	1 11	12 23	0 25	12 14	1 52	22 13	14 2	14 36	14 49	21 54	17 0	6 31			
S 21	10 0	24 12	5 1	16 33	0 57	2 16	8 40	8 35	0 11	1 10	1 9	21 25	1 10	12 23	0 25	12 14	1 52	22 12	14 2	14 32	14 48	21 52	17 1	6 31			
M22	9 39	20 54	5 0	16 14	1 7	2 28	8 41	8 51	0 11	1 15	1 9	21 25	1 10	12 24	0 25	12 14	1 52	22 12	14 2	14 28	14 47	21 50	17 1	6 31			
T 23	9 18	16 44	4 46	15 52	1 16	2 41	8 41	9 7	0 12	1 20	1 9	21 26	1 10	12 25	0 25	12 14	1 52	22 11	14 2	14 25	14 46	21 48	17 2	6 30			
W24	8 56	11 54	4 19	15 27	1 23	2 55	8 40	9 22	0 13	1 25	1 9	21 26	1 10	12 26	0 25	12 13	1 52	22 10	14 2	14 21	14 45	21 46	17 2	6 30			
T 25	8 34	6 36	3 40	15 0	1 30	3 9	8 38	9 38	0 14	1 30	1 9	21 26	1 10	12 27	0 25	12 13	1 52	22 9	14 2	14 18	14 44	21 44	17 3	6 29			
F 26	8 12	1 0	2 51	14 30	1 35	3 24	8 35	9 54	0 14	1 34	1 9	21 27	1 9	12 28	0 25	12 13	1 52	22 9	14 2	14 15	14 43	21 42	17 3	6 29			
S 27	7 50	4n43	1 53	13 57	1 40	3 39	8 31	10 9	0 15	1 39	1 9	21 27	1 9	12 29	0 25	12 13	1 52	22 8	14 3	14 14	14 42	21 40	17 4	6 28			
S 28	7 28	10 20	0 49	13 22	1 44	3 54	8 26	10 25	0 16	1 44	1 9	21 27	1 9	12 29	0 25	12 12	1 53	22 7	14 3	14 13	14 41	21 38	17 4	6 28			
M29	7 5	15 38	0n19	12 46	1 47	4 9	8 21	10 40	0 16	1 49	1 9	21 28	1 9	12 30	0 25	12 12	1 53	22 6	14 3	14 13	14 40	21 36	17 5	6 27			
T 30	6 43	20 21	1 27	12 8	1 48	4 24	8 15	10 55	0 17	1 54	1 8	21 28	1 9	12 31	0 25	12 12	1 53	22 6	14 3	14 13	14 39	21 34	17 5	6 27			
W31	6n20	24n11	2n32	11n28	1n50	4n40	8s 8	11s11	0s18	1s59	1n 8	21s28	1n 9	12s32	0n25	12n11	1s53	22n 5	14n 3	14n14	14n38	21s32	17s 5	6n27			

Julian Day Number = 2167605.5, Delta T = 12m36s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°53'59, Lahiri = 13°00'59 Julian Calendar 1 Aug. 1222 == Greg. Calendar 8 Aug. 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

SEPTEMBER 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 17	14♍55'42	21♊14	6♍44	27°R22	28♎56	7♎49	14♐17	4♏ 6	7°R 9	6♍43	7°R58	9♉11	14♒21	1♋37	T 1
F 2	23 11 14	15°54'23	5♋13	8°36	27♌ 0	29°37	8° 2	14°19	4° 9	7♉ 8	6°45	7♉57	9° 8	14°28	1°37	F 2
S 3	23 15 10	16°53'06	19°35	10°28	26°40	0♏18	8°14	14°21	4°12	7° 7	6°47	7°53	9° 5	14°34	1°37	S 3
S 4	23 19 7	17°51'51	4♌17	12°20	26°23	0°59	8°27	14°23	4°15	7° 6	6°50	7°47	9° 2	14°41	1°38	S 4
M 5	23 23 3	18°50'39	19°15	14°11	26° 8	1°41	8°40	14°25	4°18	7° 5	6°52	7°40	8°59	14°48	1°38	M 5
T 6	23 27 0	19°49'29	4♍19	16° 2	25°55	2°22	8°52	14°27	4°21	7° 4	6°54	7°33	8°56	14°55	1°38	T 6
W 7	23 30 57	20°48'21	19°20	17°52	25°45	3° 3	9° 5	14°30	4°23	7° 3	6°56	7°26	8°52	15° 1	1°39	W 7
T 8	23 34 53	21°47'15	4♎ 9	19°41	25°37	3°45	9°18	14°32	4°26	7° 2	6°58	7°20	8°49	15° 8	1°40	T 8
F 9	23 38 50	22°46'10	18°38	21°30	25°32	4°26	9°30	14°35	4°29	7° 1	7° 0	7°17	8°46	15°15	1°40	F 9
S 10	23 42 46	23°45'08	2♏42	23°18	25°29	5° 8	9°43	14°38	4°32	7° 0	7° 2	7°D15	8°43	15°21	1°41	S 10
S 11	23 46 43	24°44'08	16°18	25° 5	25°D28	5°50	9°56	14°41	4°36	6°59	7° 4	7°15	8°40	15°28	1°42	S 11
M12	23 50 39	25°43'09	29°28	26°51	25°30	6°31	10° 9	14°43	4°39	6°58	7° 6	7°17	8°36	15°35	1°43	M12
T 13	23 54 36	26°42'13	12♐14	28°36	25°34	7°13	10°22	14°46	4°42	6°57	7° 8	7°18	8°33	15°42	1°44	T 13
W14	23 58 32	27°41'18	24°40	0♎21	25°40	7°55	10°34	14°50	4°45	6°55	7°10	7°R19	8°30	15°48	1°45	W14
T 15	0 2 29	28°40'25	6♋51	2° 4	25°49	8°37	10°47	14°53	4°48	6°54	7°12	7°19	8°27	15°55	1°46	T 15
F 16	0 6 26	29°39'34	18°51	3°47	25°59	9°19	11° 0	14°56	4°51	6°53	7°14	7°17	8°24	16° 2	1°47	F 16
S 17	0 10 22	0♎38'45	0♒45	5°29	26°12	10° 1	11°13	14°59	4°55	6°52	7°16	7°13	8°21	16° 8	1°49	S 17
S 18	0 14 19	1°37'57	12°37	7°10	26°27	10°44	11°26	15° 3	4°58	6°50	7°18	7° 8	8°17	16°15	1°50	S 18
M19	0 18 15	2°37'12	24°30	8°51	26°44	11°26	11°39	15° 6	5° 1	6°49	7°20	7° 2	8°14	16°22	1°51	M19
T 20	0 22 12	3°36'28	6♓29	10°30	27° 3	12° 8	11°52	15°10	5° 4	6°48	7°22	6°56	8°11	16°29	1°53	T 20
W21	0 26 8	4°35'46	18°34	12° 9	27°24	12°51	12° 5	15°14	5° 8	6°46	7°24	6°50	8° 8	16°35	1°55	W21
T 22	0 30 5	5°35'06	0♈47	13°47	27°46	13°33	12°18	15°17	5°11	6°45	7°26	6°45	8° 5	16°42	1°56	T 22
F 23	0 34 1	6°34'28	13°10	15°25	28°11	14°16	12°31	15°21	5°14	6°43	7°28	6°41	8° 1	16°49	1°58	F 23
S 24	0 37 58	7°33'53	25°44	17° 1	28°37	14°58	12°44	15°25	5°18	6°42	7°30	6°39	7°58	16°56	2° 0	S 24
S 25	0 41 54	8°33'19	8♉29	18°37	29° 5	15°41	12°57	15°29	5°21	6°41	7°32	6°D39	7°55	17° 2	2° 2	S 25
M26	0 45 51	9°32'48	21°26	20°12	29°34	16°24	13°10	15°33	5°25	6°39	7°34	6°40	7°52	17° 9	2° 4	M26
T 27	0 49 48	10°32'19	4♊36	21°47	0♍ 5	17° 7	13°23	15°37	5°28	6°38	7°36	6°41	7°49	17°16	2° 6	T 27
W28	0 53 44	11°31'53	18° 0	23°21	0°38	17°50	13°36	15°41	5°32	6°36	7°38	6°43	7°46	17°22	2° 8	W28
T 29	0 57 41	12°31'29	1♋40	24°54	1°11	18°33	13°49	15°46	5°35	6°35	7°40	6°44	7°42	17°29	2°10	T 29
F 30	1 1 37	13♎31'07	15♋35	26♎27	1♍47	19♏16	14♎ 3	15♐50	5♏39	6♉33	7♍41	6°R44	7♉39	17♒36	2♋13	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n58	26n45	3n31	10n47	1n50	4n55	8s 0	11s26	0s18	2s 4	1n 8	21s29	1n 8	12s33	0n25	12n11	1s53	22n 4	14n 3	14n14	14n37	21s30	17s 6	6n26
F 2	5 35	27 45	4 19	10 4	1 50	5 10	7 52	11 41	0 19	2 9	1 8	21 29	1 8	12 34	0 25	12 11	1 53	22 3	14 3	14 13	14 36	21 27	17 6	6 26
S 3	5 12	26 55	4 52	9 21	1 49	5 25	7 43	11 56	0 20	2 14	1 8	21 30	1 8	12 35	0 25	12 10	1 53	22 3	14 3	14 12	14 35	21 25	17 7	6 25
S 4	4 49	24 13	5 6	8 37	1 47	5 39	7 34	12 11	0 21	2 19	1 8	21 30	1 8	12 36	0 25	12 10	1 53	22 2	14 3	14 10	14 34	21 23	17 7	6 25
M 5	4 26	19 52	5 1	7 52	1 45	5 53	7 25	12 26	0 21	2 24	1 8	21 30	1 8	12 37	0 25	12 10	1 53	22 1	14 4	14 8	14 33	21 21	17 8	6 24
T 6	4 3	14 13	4 34	7 6	1 42	6 7	7 15	12 41	0 22	2 29	1 8	21 31	1 7	12 38	0 25	12 9	1 53	22 1	14 4	14 5	14 32	21 19	17 8	6 24
W 7	3 40	7 45	3 49	6 20	1 39	6 20	7 4	12 56	0 23	2 35	1 8	21 31	1 7	12 39	0 25	12 9	1 53	22 0	14 4	14 3	14 31	21 17	17 9	6 23
T 8	3 16	0 56	2 49	5 34	1 35	6 32	6 54	13 11	0 23	2 40	1 8	21 32	1 7	12 40	0 25	12 8	1 53	21 59	14 4	14 1	14 30	21 15	17 9	6 23
F 9	2 53	5s48	1 39	4 47	1 31	6 44	6 43	13 26	0 24	2 45	1 8	21 32	1 7	12 41	0 25	12 8	1 53	21 59	14 4	14 0	14 29	21 13	17 10	6 22
S 10	2 29	12 4	0 25	4 0	1 27	6 56	6 32	13 40	0 25	2 50	1 8	21 33	1 7	12 42	0 25	12 8	1 53	21 58	14 4	14 0	14 28	21 11	17 10	6 22
S 11	2 6	17 34	0s49	3 13	1 22	7 7	6 21	13 55	0 25	2 55	1 8	21 33	1 7	12 43	0 25	12 7	1 53	21 57	14 5	14 0	14 27	21 8	17 11	6 21
M12	1 43	22 2	1 57	2 26	1 17	7 17	6 9	14 10	0 26	3 0	1 8	21 34	1 6	12 44	0 25	12 7	1 53	21 57	14 5	14 0	14 26	21 6	17 11	6 21
T 13	1 19	25 18	2 58	1 39	1 12	7 26	5 58	14 24	0 27	3 5	1 8	21 34	1 6	12 45	0 25	12 6	1 53	21 56	14 5	14 1	14 25	21 4	17 11	6 20
W14	0 55	27 15	3 49	0 52	1 6	7 35	5 46	14 38	0 27	3 10	1 7	21 35	1 6	12 46	0 25	12 6	1 53	21 56	14 5	14 1	14 24	21 2	17 12	6 20
T 15	0 32	27 49	4 28	0 6	1 0	7 43	5 35	14 53	0 28	3 15	1 7	21 35	1 6	12 48	0 24	12 5	1 53	21 55	14 5	14 1	14 23	21 0	17 12	6 19
F 16	0 8	27 4	4 55	0s41	0 54	7 51	5 23	15 7	0 28	3 20	1 7	21 36	1 6	12 49	0 24	12 5	1 53	21 54	14 6	14 0	14 22	20 58	17 13	6 19
S 17	0s15	25 6	5 9	1 27	0 48	7 57	5 11	15 21	0 29	3 26	1 7	21 36	1 6	12 50	0 24	12 5	1 53	21 54	14 6	13 59	14 21	20 55	17 13	6 19
S 18	0 39	22 2	5 9	2 13	0 42	8 3	5 0	15 35	0 30	3 31	1 7	21 37	1 5	12 51	0 24	12 4	1 54	21 53	14 6	13 57	14 20	20 53	17 14	6 18
M19	1 3	18 4	4 56	2 59	0 36	8 8	4 48	15 48	0 30	3 36	1 7	21 38	1 5	12 52	0 24	12 4	1 54	21 53	14 6	13 55	14 19	20 51	17 14	6 18
T 20	1 26	13 21	4 31	3 44	0 29	8 13	4 37	16 2	0 31	3 41	1 7	21 38	1 5	12 53	0 24	12 3	1 54	21 52	14 7	13 53	14 18	20 49	17 15	6 17
W21	1 50	8 6	3 53	4 29	0 23	8 17	4 25	16 16	0 32	3 46	1 7	21 39	1 5	12 54	0 24	12 3	1 54	21 52	14 7	13 51	14 17	20 47	17 15	6 17
T 22	2 14	2 29	3 3	5 13	0 16	8 20	4 14	16 29	0 32	3 51	1 7	21 39	1 5	12 55	0 24	12 2	1 54	21 51	14 7	13 50	14 16	20 44	17 15	6 16
F 23	2 37	3n18	2 5	5 57	0 9	8 22	4 3	16 43	0 33	3 56	1 7	21 40	1 5	12 57	0 24	12 2	1 54	21 51	14 7	13 48	14 15	20 42	17 16	6 16
S 24	3 1	9 4	0 59	6 41	0 2	8 23	3 51	16 56	0 33	4 1	1 7	21 40	1 4	12 58	0 24	12 1	1 54	21 50	14 8	13 48	14 14	20 40	17 16	6 15
S 25	3 24	14 33	0n10	7 24	0s 5	8 24	3 40	17 9	0 34	4 6	1 7	21 41	1 4	12 59	0 24	12 1	1 54	21 50	14 8	13 48	14 13	20 38	17 17	6 15
M26	3 48	19 29	1 20	8 6	0 12	8 24	3 29	17 22	0 35	4 12	1 7	21 42	1 4	13 0	0 24	12 0	1 54	21 49	14 8	13 48	14 12	20 36	17 17	6 14
T 27	4 11	23 34	2 27	8 48	0 18	8 23	3 19	17 35	0 35	4 17	1 7	21 42	1 4	13 1	0 24	12 0	1 54	21 49	14 8	13 48	14 10	20 33	17 18	6 14
W28	4 35	26 27	3 28	9 30	0 25	8 22	3 8	17 47	0 36	4 22	1 7	21 43	1 4	13 2	0 24	11 59	1 54	21 48	14 9	13 49	14 9	20 31	17 18	6 14
T 29	4 58	27 50	4 18	10 11	0 32	8 20	2 58	18 0	0 36	4 27	1 7	21 43	1 4	13 4	0 24	11 59	1 54	21 48	14 9	13 49	14 8	20 29	17 18	6 13
F 30	5s21	27n29	4n53	10s51	0s39	8n17	2s47	18s13	0s37	4s32	1n 7	21s44	1n 3	13s 5	0n24	11n58	1s54	21n47	14n 9	13n49	14n 7	20s27	17s19	6n13

Julian Day Number = 2167636.5, Delta T = 12m36s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'03, Lahiri = 13°01'03 Julian Calendar 1 Sept. 1222 == Greg. Calendar 8 Sept. 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

OCTOBER 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 34	14♎30'47	29♋45	27♎58	2♍24	19♏59	14♎16	15♐55	5♏42	6°R32	7♍43	6°R44	7♉36	17♒43	2♊15	S 1
S 2	1 9 30	15°30'30	14♌ 8	29°30	3° 1	20°42	14°29	15°59	5°46	6♉30	7°45	6♉42	7°33	17°49	2°18	S 2
M 3	1 13 27	16°30'15	28°42	1♏ 1	3°41	21°26	14°42	16° 4	5°49	6°29	7°47	6°39	7°30	17°56	2°20	M 3
T 4	1 17 23	17°30'03	13♍20	2°31	4°21	22° 9	14°55	16° 8	5°53	6°27	7°49	6°37	7°27	18° 3	2°23	T 4
W 5	1 21 20	18°29'52	27°57	4° 0	5° 3	22°52	15° 8	16°13	5°57	6°25	7°50	6°34	7°23	18° 9	2°26	W 5
T 6	1 25 17	19°29'44	12♎26	5°29	5°45	23°36	15°21	16°18	6° 0	6°24	7°52	6°32	7°20	18°16	2°28	T 6
F 7	1 29 13	20°29'37	26°41	6°58	6°29	24°19	15°34	16°23	6° 4	6°22	7°54	6°31	7°17	18°23	2°31	F 7
S 8	1 33 10	21°29'33	10♏37	8°25	7°14	25° 3	15°47	16°28	6° 7	6°21	7°55	6°D31	7°14	18°30	2°34	S 8
S 9	1 37 6	22°29'30	24°11	9°52	7°59	25°47	16° 0	16°33	6°11	6°19	7°57	6°32	7°11	18°36	2°37	S 9
M10	1 41 3	23°29'30	7♐22	11°19	8°46	26°31	16°13	16°38	6°15	6°17	7°59	6°33	7° 7	18°43	2°40	M10
T 11	1 44 59	24°29'31	20°11	12°44	9°34	27°14	16°26	16°43	6°18	6°16	8° 0	6°34	7° 4	18°50	2°43	T 11
W12	1 48 56	25°29'34	2♑40	14° 9	10°22	27°58	16°39	16°48	6°22	6°14	8° 2	6°35	7° 1	18°57	2°46	W12
T 13	1 52 52	26°29'38	14°54	15°34	11°11	28°42	16°52	16°53	6°26	6°12	8° 4	6°36	6°58	19° 3	2°50	T 13
F 14	1 56 49	27°29'45	26°56	16°57	12° 1	29°26	17° 5	16°59	6°29	6°11	8° 5	6°R36	6°55	19°10	2°53	F 14
S 15	2 0 46	28°29'52	8♒51	18°20	12°52	0♐11	17°18	17° 4	6°33	6° 9	8° 7	6°36	6°52	19°17	2°56	S 15
S 16	2 4 42	29°30'02	20°43	19°41	13°44	0°55	17°31	17°10	6°37	6° 7	8° 8	6°35	6°48	19°23	3° 0	S 16
M17	2 8 39	0♏30'12	2♓38	21° 2	14°36	1°39	17°44	17°15	6°41	6° 6	8°10	6°35	6°45	19°30	3° 3	M17
T 18	2 12 35	1°30'25	14°38	22°22	15°29	2°23	17°57	17°21	6°44	6° 4	8°11	6°34	6°42	19°37	3° 7	T 18
W19	2 16 32	2°30'39	26°49	23°40	16°23	3° 8	18°10	17°26	6°48	6° 2	8°12	6°33	6°39	19°44	3°10	W19
T 20	2 20 28	3°30'54	9♈11	24°57	17°17	3°52	18°23	17°32	6°52	6° 1	8°14	6°33	6°36	19°50	3°14	T 20
F 21	2 24 25	4°31'12	21°48	26°13	18°13	4°37	18°36	17°38	6°56	5°59	8°15	6°33	6°33	19°57	3°18	F 21
S 22	2 28 21	5°31'31	4♉40	27°26	19° 8	5°21	18°49	17°43	6°59	5°57	8°17	6°D33	6°29	20° 4	3°22	S 22
S 23	2 32 18	6°31'52	17°47	28°39	20° 5	6° 6	19° 1	17°49	7° 3	5°55	8°18	6°R33	6°26	20°10	3°25	S 23
M24	2 36 15	7°32'14	1♊ 9	29°49	21° 1	6°50	19°14	17°55	7° 7	5°54	8°19	6°32	6°23	20°17	3°29	M24
T 25	2 40 11	8°32'39	14°44	0♐57	21°59	7°35	19°27	18° 1	7°10	5°52	8°21	6°32	6°20	20°24	3°33	T 25
W26	2 44 8	9°33'05	28°30	2° 2	22°57	8°20	19°40	18° 7	7°14	5°50	8°22	6°32	6°17	20°31	3°37	W26
T 27	2 48 4	10°33'34	12♋26	3° 4	23°55	9° 5	19°52	18°13	7°18	5°49	8°23	6°32	6°13	20°37	3°41	T 27
F 28	2 52 1	11°34'04	26°30	4° 3	24°54	9°50	20° 5	18°19	7°22	5°47	8°24	6°31	6°10	20°44	3°46	F 28
S 29	2 55 57	12°34'36	10♌39	4°59	25°54	10°35	20°17	18°25	7°25	5°45	8°25	6°D31	6° 7	20°51	3°50	S 29
S 30	2 59 54	13°35'10	24°51	5°50	26°54	11°20	20°30	18°31	7°29	5°44	8°27	6°31	6° 4	20°57	3°54	S 30
M31	3 3 50	14♏35'45	9♍ 4	6♐37	27♍54	12♐ 5	20♎43	18♐38	7♏33	5♉42	8♍28	6♉32	6♉ 1	21♒ 4	3♊58	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s45	25n22	5n12	11s31	0s46	8n13	2s37	18s25	0s37	4s37	1n 7	21s45	1n 3	13s 6	0n24	11n58	1s54	21n47	14n10	13n49	14n 6	20s24	17s19	6n12
S 2	6 8	21 38	5 12	12 10	0 53	8 9	2 27	18 37	0 38	4 42	1 7	21 45	1 3	13 7	0 24	11 57	1 54	21 47	14 10	13 49	14 5	20 22	17 20	6 12
M 3	6 31	16 32	4 52	12 48	0 59	8 4	2 17	18 49	0 39	4 47	1 7	21 46	1 3	13 8	0 24	11 57	1 54	21 46	14 10	13 48	14 4	20 20	17 20	6 11
T 4	6 54	10 28	4 13	13 26	1 6	7 58	2 8	19 1	0 39	4 52	1 7	21 47	1 3	13 10	0 24	11 56	1 54	21 46	14 11	13 47	14 3	20 18	17 20	6 11
W 5	7 17	3 50	3 17	14 3	1 13	7 52	1 58	19 13	0 40	4 57	1 7	21 47	1 3	13 11	0 24	11 55	1 54	21 46	14 11	13 46	14 2	20 15	17 21	6 10
T 6	7 40	2s57	2 9	14 39	1 19	7 45	1 49	19 24	0 40	5 3	1 7	21 48	1 2	13 12	0 24	11 55	1 54	21 45	14 11	13 45	14 1	20 13	17 21	6 10
F 7	8 2	9 30	0 54	15 14	1 25	7 38	1 40	19 36	0 41	5 8	1 7	21 49	1 2	13 13	0 24	11 54	1 54	21 45	14 12	13 45	14 0	20 11	17 22	6 10
S 8	8 25	15 26	0s23	15 49	1 32	7 29	1 31	19 47	0 41	5 13	1 7	21 49	1 2	13 14	0 24	11 54	1 54	21 45	14 12	13 45	13 59	20 8	17 22	6 9
S 9	8 47	20 27	1 36	16 23	1 38	7 21	1 22	19 58	0 42	5 18	1 7	21 50	1 2	13 16	0 24	11 53	1 54	21 44	14 12	13 45	13 58	20 6	17 22	6 9
M10	9 10	24 18	2 42	16 56	1 44	7 11	1 13	20 9	0 42	5 23	1 7	21 50	1 2	13 17	0 24	11 53	1 54	21 44	14 13	13 46	13 57	20 4	17 23	6 8
T 11	9 32	26 49	3 39	17 28	1 49	7 1	1 5	20 19	0 43	5 28	1 7	21 51	1 2	13 18	0 24	11 52	1 54	21 44	14 13	13 46	13 56	20 2	17 23	6 8
W12	9 54	27 54	4 23	17 59	1 55	6 51	0 56	20 30	0 43	5 33	1 7	21 52	1 2	13 19	0 24	11 52	1 54	21 43	14 14	13 46	13 55	19 59	17 23	6 8
T 13	10 16	27 35	4 54	18 29	2 0	6 39	0 48	20 40	0 44	5 38	1 7	21 52	1 1	13 21	0 24	11 51	1 54	21 43	14 14	13 47	13 54	19 57	17 24	6 7
F 14	10 38	25 58	5 12	18 58	2 5	6 28	0 40	20 50	0 44	5 43	1 7	21 53	1 1	13 22	0 24	11 51	1 54	21 43	14 14	13 47	13 53	19 55	17 24	6 7
S 15	10 59	23 12	5 16	19 27	2 10	6 15	0 33	21 0	0 45	5 48	1 7	21 54	1 1	13 23	0 24	11 50	1 54	21 43	14 15	13 47	13 52	19 52	17 24	6 6
S 16	11 21	19 29	5 7	19 54	2 15	6 2	0 25	21 10	0 45	5 53	1 7	21 54	1 1	13 24	0 24	11 49	1 54	21 42	14 15	13 46	13 51	19 50	17 25	6 6
M17	11 42	15 0	4 45	20 20	2 19	5 49	0 18	21 20	0 46	5 57	1 7	21 55	1 1	13 25	0 24	11 49	1 54	21 42	14 16	13 46	13 50	19 48	17 25	6 6
T 18	12 3	9 54	4 10	20 45	2 23	5 35	0 10	21 29	0 46	6 2	1 7	21 56	1 1	13 27	0 24	11 48	1 54	21 42	14 16	13 46	13 49	19 45	17 25	6 5
W19	12 24	4 22	3 23	21 8	2 27	5 21	0 3	21 38	0 47	6 7	1 7	21 56	1 1	13 28	0 24	11 48	1 54	21 42	14 16	13 46	13 48	19 43	17 25	6 5
T 20	12 44	1n25	2 26	21 31	2 30	5 6	0n 4	21 47	0 47	6 12	1 7	21 57	1 1	13 29	0 24	11 47	1 54	21 42	14 17	13 46	13 47	19 40	17 26	6 5
F 21	13 5	7 17	1 21	21 52	2 33	4 50	0 10	21 56	0 48	6 17	1 7	21 58	1 0	13 30	0 24	11 47	1 54	21 42	14 17	13 45	13 45	19 38	17 26	6 4
S 22	13 25	12 58	0 10	22 12	2 36	4 35	0 17	22 5	0 48	6 22	1 7	21 58	1 0	13 32	0 24	11 46	1 54	21 41	14 18	13 45	13 44	19 36	17 26	6 4
S 23	13 45	18 12	1n 2	22 31	2 38	4 18	0 23	22 13	0 49	6 27	1 7	21 59	1 0	13 33	0 24	11 45	1 54	21 41	14 18	13 45	13 43	19 33	17 26	6 3
M24	14 5	22 38	2 12	22 48	2 39	4 2	0 30	22 21	0 49	6 32	1 7	22 0	1 0	13 34	0 24	11 45	1 54	21 41	14 19	13 45	13 42	19 31	17 27	6 3
T 25	14 25	25 55	3 16	23 3	2 41	3 44	0 36	22 29	0 50	6 36	1 7	22 0	1 0	13 35	0 24	11 44	1 54	21 41	14 19	13 45	13 41	19 29	17 27	6 3
W26	14 44	27 42	4 10	23 17	2 41	3 27	0 42	22 37	0 50	6 41	1 7	22 1	1 0	13 37	0 24	11 44	1 54	21 41	14 19	13 45	13 40	19 26	17 27	6 2
T 27	15 3	27 45	4 49	23 29	2 41	3 9	0 47	22 44	0 51	6 46	1 7	22 2	1 0	13 38	0 24	11 43	1 54	21 41	14 20	13 45	13 39	19 24	17 27	6 2
F 28	15 22	26 3	5 12	23 40	2 40	2 50	0 53	22 52	0 51	6 51	1 7	22 2	1 0	13 39	0 24	11 43	1 54	21 41	14 20	13 45	13 38	19 21	17 28	6 2
S 29	15 41	22 42	5 16	23 48	2 38	2 32	0 58	22 59	0 51	6 55	1 7	22 3	0 59	13 40	0 24	11 42	1 54	21 41	14 21	13 45	13 37	19 19	17 28	6 2
S 30	15 59	18 1	5 1	23 55	2 35	2 12	1 3	23 5	0 52	7 0	1 7	22 4	0 59	13 42	0 24	11 42	1 54	21 41	14 21	13 45	13 36	19 17	17 28	6 1
M31	16s17	12n20	4n27	24s 0	2s32	1n53	1n 8	23s12	0s52	7s 5	1n 7	22s 4	0n59	13s43	0n24	11n41	1s54	21n41	14n22	13n45	13n35	19s14	17s28	6n 1

Julian Day Number = 2167666.5, Delta T = 12m36s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'07, Lahiri = 13°01'08 Julian Calendar 1 Oct. 1222 == Greg. Calendar 8 Oct. 1222

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ASTRODIENST EPHEMERIS for the year 1222
geocentric

NOVEMBER 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 47	15♏36'23	23♍16	7♐18	28♍55	12♐50	20♎55	18♐44	7♏37	5°R40	8♍29	6♉32	5♉58	21♒11	4♑ 3	T 1
W 2	3 11 44	16°37'02	7♎23	7°53	29°57	13°35	21° 8	18°50	7°40	5♉39	8°30	6°33	5°54	21°18	4° 7	W 2
T 3	3 15 40	17°37'43	21°23	8°22	0♎58	14°20	21°20	18°57	7°44	5°37	8°31	6°34	5°51	21°24	4°12	T 3
F 4	3 19 37	18°38'25	5♏13	8°43	2° 0	15° 6	21°32	19° 3	7°48	5°35	8°32	6°R34	5°48	21°31	4°16	F 4
S 5	3 23 33	19°39'09	18°49	8°56	3° 3	15°51	21°45	19° 9	7°51	5°34	8°33	6°34	5°45	21°38	4°21	S 5
S 6	3 27 30	20°39'55	2♐ 9	9°R 0	4° 6	16°36	21°57	19°16	7°55	5°32	8°34	6°33	5°42	21°44	4°25	S 6
M 7	3 31 26	21°40'42	15°13	8°55	5° 9	17°22	22° 9	19°22	7°59	5°30	8°35	6°31	5°38	21°51	4°30	M 7
T 8	3 35 23	22°41'30	27°58	8°39	6°12	18° 8	22°21	19°29	8° 2	5°29	8°35	6°29	5°35	21°58	4°35	T 8
W 9	3 39 19	23°42'19	10♑27	8°12	7°16	18°53	22°34	19°35	8° 6	5°27	8°36	6°26	5°32	22° 5	4°39	W 9
T 10	3 43 16	24°43'09	22°42	7°35	8°20	19°39	22°46	19°42	8°10	5°26	8°37	6°24	5°29	22°11	4°44	T 10
F 11	3 47 13	25°44'00	4♒45	6°46	9°25	20°24	22°58	19°49	8°13	5°24	8°38	6°21	5°26	22°18	4°49	F 11
S 12	3 51 9	26°44'52	16°40	5°48	10°30	21°10	23°10	19°55	8°17	5°23	8°39	6°20	5°23	22°25	4°54	S 12
S 13	3 55 6	27°45'45	28°32	4°40	11°35	21°56	23°22	20° 2	8°21	5°21	8°39	6°D20	5°19	22°32	4°59	S 13
M14	3 59 2	28°46'39	10♓25	3°25	12°40	22°42	23°33	20° 9	8°24	5°19	8°40	6°20	5°16	22°38	5° 4	M14
T 15	4 2 59	29°47'34	22°25	2° 5	13°46	23°28	23°45	20°16	8°28	5°18	8°41	6°22	5°13	22°45	5° 9	T 15
W16	4 6 55	0♐48'30	4♈36	0°42	14°52	24°14	23°57	20°22	8°31	5°16	8°41	6°23	5°10	22°52	5°14	W16
T 17	4 10 52	1°49'26	17° 3	29♏20	15°58	25° 0	24° 9	20°29	8°35	5°15	8°42	6°25	5° 7	22°58	5°19	T 17
F 18	4 14 48	2°50'23	29°48	28° 0	17° 5	25°46	24°20	20°36	8°38	5°14	8°42	6°26	5° 4	23° 5	5°24	F 18
S 19	4 18 45	3°51'21	12♉54	26°47	18°11	26°32	24°32	20°43	8°42	5°12	8°43	6°R26	5° 0	23°12	5°29	S 19
S 20	4 22 42	4°52'20	26°21	25°41	19°18	27°18	24°43	20°50	8°45	5°11	8°43	6°25	4°57	23°19	5°34	S 20
M21	4 26 38	5°53'20	10♊ 8	24°44	20°25	28° 4	24°55	20°57	8°49	5° 9	8°44	6°22	4°54	23°25	5°39	M21
T 22	4 30 35	6°54'20	24°12	23°58	21°33	28°50	25° 6	21° 3	8°52	5° 8	8°44	6°18	4°51	23°32	5°45	T 22
W23	4 34 31	7°55'22	8♋29	23°23	22°40	29°36	25°17	21°10	8°55	5° 6	8°45	6°13	4°48	23°39	5°50	W23
T 24	4 38 28	8°56'25	22°52	23° 0	23°48	0♑23	25°28	21°17	8°59	5° 5	8°45	6° 8	4°44	23°45	5°55	T 24
F 25	4 42 24	9°57'28	7♌17	22°47	24°56	1° 9	25°39	21°24	9° 2	5° 4	8°45	6° 3	4°41	23°52	6° 0	F 25
S 26	4 46 21	10°58'33	21°39	22°D45	26° 4	1°55	25°50	21°31	9° 5	5° 2	8°46	6° 0	4°38	23°59	6° 6	S 26
S 27	4 50 18	11°59'38	5♍54	22°53	27°13	2°42	26° 1	21°38	9° 9	5° 1	8°46	5°D59	4°35	24° 6	6°11	S 27
M28	4 54 14	13° 0'45	19°59	23°10	28°21	3°28	26°12	21°45	9°12	5° 0	8°46	5°59	4°32	24°12	6°16	M28
T 29	4 58 11	14° 1'52	3♎54	23°35	29°30	4°15	26°23	21°52	9°15	4°59	8°46	6° 0	4°29	24°19	6°22	T 29
W30	5 2 7	15♐ 3'00	17♎38	24♏ 8	0♏39	5♑ 1	26♎34	21♐59	9♏19	4♉57	8♍47	6♉ 1	4♉25	24♒26	6♑27	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s35	6n 1	3n37	24s 3	2s27	1n33	1n13	23s18	0s53	7s 9	1n 7	22s 5	0n59	13s44	0n24	11n41	1s54	21n41	14n22	13n45	13n34	19s12	17s28	6n 1
W 2	16 53	0s35	2 35	24 3	2 22	1 13	1 18	23 24	0 53	7 14	1 8	22 6	0 59	13 45	0 24	11 40	1 54	21 41	14 23	13 46	13 33	19 9	17 29	6 0
T 3	17 10	7 6	1 23	24 1	2 15	0 53	1 23	23 30	0 53	7 19	1 8	22 6	0 59	13 46	0 24	11 39	1 54	21 41	14 23	13 46	13 32	19 7	17 29	6 0
F 4	17 27	13 12	0 8	23 56	2 7	0 32	1 27	23 36	0 54	7 23	1 8	22 7	0 59	13 48	0 24	11 39	1 54	21 41	14 24	13 46	13 31	19 4	17 29	6 0
S 5	17 43	18 34	1s 7	23 49	1 57	0 11	1 31	23 41	0 54	7 28	1 8	22 7	0 59	13 49	0 24	11 38	1 54	21 41	14 24	13 46	13 30	19 2	17 29	5 59
S 6	18 0	22 55	2 17	23 39	1 46	0s11	1 35	23 46	0 55	7 32	1 8	22 8	0 58	13 50	0 24	11 38	1 54	21 41	14 25	13 46	13 29	19 0	17 29	5 59
M 7	18 16	25 59	3 18	23 25	1 34	0 32	1 39	23 51	0 55	7 37	1 8	22 9	0 58	13 51	0 24	11 37	1 54	21 41	14 25	13 45	13 28	18 57	17 29	5 59
T 8	18 31	27 38	4 7	23 9	1 20	0 54	1 43	23 56	0 55	7 41	1 8	22 9	0 58	13 52	0 24	11 37	1 54	21 41	14 26	13 44	13 26	18 55	17 29	5 59
W 9	18 47	27 50	4 43	22 49	1 4	1 16	1 47	24 0	0 56	7 46	1 8	22 10	0 58	13 54	0 24	11 36	1 54	21 42	14 26	13 43	13 25	18 52	17 29	5 58
T 10	19 2	26 39	5 6	22 27	0 47	1 38	1 50	24 4	0 56	7 50	1 8	22 11	0 58	13 55	0 24	11 36	1 54	21 42	14 27	13 43	13 24	18 50	17 30	5 58
F 11	19 16	24 15	5 15	22 0	0 29	2 1	1 53	24 8	0 57	7 55	1 8	22 11	0 58	13 56	0 24	11 35	1 54	21 42	14 27	13 42	13 23	18 47	17 30	5 58
S 12	19 31	20 50	5 10	21 31	0 9	2 23	1 57	24 12	0 57	7 59	1 8	22 12	0 58	13 57	0 24	11 35	1 54	21 42	14 28	13 41	13 22	18 45	17 30	5 58
S 13	19 45	16 35	4 52	20 59	0n11	2 46	2 0	24 15	0 57	8 3	1 8	22 12	0 58	13 58	0 24	11 34	1 54	21 42	14 28	13 41	13 21	18 42	17 30	5 57
M14	19 58	11 43	4 21	20 25	0 31	3 9	2 2	24 18	0 58	8 8	1 8	22 13	0 58	13 59	0 24	11 34	1 54	21 42	14 29	13 41	13 20	18 40	17 30	5 57
T 15	20 12	6 22	3 39	19 49	0 52	3 32	2 5	24 21	0 58	8 12	1 8	22 14	0 58	14 1	0 24	11 33	1 54	21 43	14 29	13 42	13 19	18 37	17 30	5 57
W16	20 24	0 42	2 46	19 13	1 11	3 55	2 8	24 23	0 58	8 16	1 8	22 14	0 57	14 2	0 24	11 33	1 54	21 43	14 30	13 42	13 18	18 35	17 30	5 57
T 17	20 37	5n 7	1 44	18 38	1 30	4 18	2 10	24 25	0 58	8 20	1 9	22 15	0 57	14 3	0 24	11 32	1 54	21 43	14 30	13 43	13 17	18 32	17 30	5 57
F 18	20 49	10 53	0 36	18 4	1 47	4 42	2 12	24 27	0 59	8 25	1 9	22 15	0 57	14 4	0 24	11 32	1 54	21 43	14 31	13 43	13 16	18 30	17 30	5 56
S 19	21 1	16 20	0n35	17 32	2 2	5 5	2 14	24 29	0 59	8 29	1 9	22 16	0 57	14 5	0 24	11 32	1 54	21 44	14 31	13 43	13 15	18 27	17 30	5 56
S 20	21 12	21 9	1 47	17 4	2 16	5 29	2 16	24 30	0 59	8 33	1 9	22 16	0 57	14 6	0 24	11 31	1 54	21 44	14 32	13 43	13 14	18 25	17 30	5 56
M21	21 23	24 56	2 54	16 40	2 27	5 53	2 18	24 31	1 0	8 37	1 9	22 17	0 57	14 7	0 24	11 31	1 54	21 44	14 32	13 42	13 13	18 22	17 30	5 56
T 22	21 33	27 16	3 52	16 20	2 35	6 16	2 20	24 32	1 0	8 41	1 9	22 18	0 57	14 8	0 24	11 30	1 54	21 44	14 33	13 41	13 12	18 20	17 30	5 56
W23	21 43	27 52	4 36	16 6	2 42	6 40	2 22	24 33	1 0	8 45	1 9	22 18	0 57	14 9	0 24	11 30	1 54	21 45	14 33	13 39	13 10	18 17	17 30	5 55
T 24	21 53	26 34	5 3	15 55	2 46	7 4	2 23	24 33	1 1	8 49	1 9	22 19	0 57	14 11	0 24	11 29	1 53	21 45	14 34	13 37	13 9	18 15	17 30	5 55
F 25	22 2	23 32	5 11	15 50	2 48	7 27	2 24	24 33	1 1	8 53	1 9	22 19	0 57	14 12	0 24	11 29	1 53	21 45	14 34	13 36	13 8	18 12	17 30	5 55
S 26	22 11	19 4	5 0	15 49	2 49	7 51	2 25	24 33	1 1	8 57	1 9	22 20	0 57	14 13	0 24	11 29	1 53	21 46	14 35	13 35	13 7	18 10	17 29	5 55
S 27	22 19	13 34	4 30	15 51	2 49	8 15	2 26	24 32	1 1	9 1	1 10	22 20	0 57	14 14	0 24	11 28	1 53	21 46	14 35	13 34	13 6	18 7	17 29	5 55
M28	22 27	7 25	3 44	15 58	2 47	8 39	2 27	24 31	1 2	9 5	1 10	22 21	0 56	14 15	0 24	11 28	1 53	21 47	14 36	13 34	13 5	18 4	17 29	5 55
T 29	22 35	0 59	2 46	16 7	2 43	9 2	2 28	24 30	1 2	9 8	1 10	22 21	0 56	14 16	0 24	11 27	1 53	21 47	14 36	13 35	13 4	18 2	17 29	5 55
W30	22s42	5s26	1n38	16s19	2n39	9s26	2n29	24s29	1s 2	9s12	1n10	22s22	0n56	14s17	0n24	11n27	1s53	21n47	14n37	13n35	13n 3	17s59	17s29	5n54

Julian Day Number = 2167697.5, Delta T = 12m36s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'11, Lahiri = 13°01'12 Julian Calendar 1 Nov. 1222 == Greg. Calendar 8 Nov. 1222

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1222
geocentric

DECEMBER 1222 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 4	16♐ 4'09	1♏11	24♏47	1♏48	5♑48	26♎44	22♐ 6	9♏22	4°R56	8♍47	6°R 2	4♉22	24♒32	6♑33	T 1
F 2	5 10 0	17° 5'19	14°33	25°33	2°58	6°34	26°55	22°13	9°25	4♉55	8°47	6♉ 2	4°19	24°39	6°38	F 2
S 3	5 13 57	18° 6'30	27°44	26°23	4° 7	7°21	27° 5	22°20	9°28	4°54	8°47	6° 0	4°16	24°46	6°44	S 3
S 4	5 17 53	19° 7'41	10♐43	27°18	5°17	8° 8	27°16	22°27	9°31	4°53	8°R47	5°56	4°13	24°53	6°49	S 4
M 5	5 21 50	20° 8'52	23°30	28°18	6°27	8°55	27°26	22°35	9°34	4°52	8°47	5°49	4°10	24°59	6°55	M 5
T 6	5 25 47	21°10'04	6♑ 5	29°20	7°36	9°41	27°36	22°42	9°37	4°51	8°47	5°41	4° 6	25° 6	7° 0	T 6
W 7	5 29 43	22°11'16	18°28	0♐26	8°46	10°28	27°46	22°49	9°40	4°50	8°47	5°32	4° 3	25°13	7° 6	W 7
T 8	5 33 40	23°12'29	0♒38	1°35	9°57	11°15	27°56	22°56	9°43	4°49	8°47	5°22	4° 0	25°19	7°12	T 8
F 9	5 37 36	24°13'41	12°40	2°46	11° 7	12° 2	28° 6	23° 3	9°46	4°48	8°47	5°14	3°57	25°26	7°17	F 9
S 10	5 41 33	25°14'53	24°33	4° 0	12°17	12°49	28°16	23°10	9°49	4°47	8°46	5° 7	3°54	25°33	7°23	S 10
S 11	5 45 29	26°16'05	6♓24	5°15	13°28	13°36	28°25	23°17	9°52	4°46	8°46	5° 2	3°50	25°40	7°28	S 11
M12	5 49 26	27°17'17	18°15	6°32	14°38	14°23	28°35	23°24	9°55	4°45	8°46	5° 0	3°47	25°46	7°34	M12
T 13	5 53 22	28°18'29	0♈12	7°50	15°49	15°10	28°44	23°31	9°58	4°44	8°46	5°D 0	3°44	25°53	7°40	T 13
W14	5 57 19	29°19'41	12°20	9°10	17° 0	15°57	28°54	23°38	10° 0	4°43	8°45	5° 0	3°41	26° 0	7°45	W14
T 15	6 1 16	0♑20'52	24°44	10°31	18°11	16°44	29° 3	23°45	10° 3	4°42	8°45	5° 1	3°38	26° 6	7°51	T 15
F 16	6 5 12	1°22'03	7♉28	11°53	19°22	17°31	29°12	23°52	10° 6	4°42	8°45	5°R 2	3°35	26°13	7°57	F 16
S 17	6 9 9	2°23'14	20°38	13°16	20°33	18°18	29°21	23°59	10° 9	4°41	8°44	5° 0	3°31	26°20	8° 2	S 17
S 18	6 13 5	3°24'24	4♊14	14°40	21°45	19° 5	29°30	24° 6	10°11	4°40	8°44	4°57	3°28	26°27	8° 8	S 18
M19	6 17 2	4°25'35	18°17	16° 5	22°56	19°52	29°39	24°13	10°14	4°39	8°43	4°51	3°25	26°33	8°14	M19
T 20	6 20 58	5°26'45	2♋44	17°31	24° 7	20°39	29°47	24°20	10°16	4°39	8°43	4°42	3°22	26°40	8°19	T 20
W21	6 24 55	6°27'55	17°28	18°57	25°19	21°26	29°56	24°27	10°19	4°38	8°42	4°33	3°19	26°47	8°25	W21
T 22	6 28 52	7°29'04	2♌21	20°25	26°30	22°13	0♏ 4	24°34	10°21	4°38	8°42	4°22	3°16	26°53	8°31	T 22
F 23	6 32 48	8°30'14	17°14	21°52	27°42	23° 1	0°12	24°41	10°24	4°37	8°41	4°13	3°12	27° 0	8°37	F 23
S 24	6 36 45	9°31'23	1♍59	23°21	28°54	23°48	0°21	24°48	10°26	4°37	8°41	4° 6	3° 9	27° 7	8°42	S 24
S 25	6 40 41	10°32'32	16°29	24°50	0♐ 6	24°35	0°29	24°55	10°28	4°36	8°40	4° 1	3° 6	27°14	8°48	S 25
M26	6 44 38	11°33'41	0♎42	26°19	1°18	25°22	0°36	25° 2	10°31	4°36	8°39	3°59	3° 3	27°20	8°54	M26
T 27	6 48 34	12°34'49	14°35	27°49	2°30	26°10	0°44	25° 8	10°33	4°35	8°39	3°D58	3° 0	27°27	8°59	T 27
W28	6 52 31	13°35'58	28° 9	29°20	3°42	26°57	0°52	25°15	10°35	4°35	8°38	3°R58	2°56	27°34	9° 5	W28
T 29	6 56 27	14°37'06	11♏26	0♑51	4°54	27°44	0°59	25°22	10°37	4°34	8°37	3°58	2°53	27°40	9°11	T 29
F 30	7 0 24	15°38'14	24°28	2°23	6° 6	28°32	1° 7	25°29	10°39	4°34	8°36	3°57	2°50	27°47	9°16	F 30
S 31	7 4 21	16♑39'22	7♐18	3♑55	7♐19	29♑19	1♏14	25♐36	10♏41	4♉34	8♍36	3♉52	2♉47	27♒54	9♑22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s49	11s31	0n26	16s33	2n34	9s49	2n29	24s27	1s 2	9s16	1n10	22s22	0n56	14s18	0n24	11n27	1s53	21n48	14n37	13n36	13n 2	17s57	17s29	5n54
F 2	22 55	17 0	0s46	16 49	2 29	10 13	2 30	24 25	1 3	9 20	1 10	22 23	0 56	14 19	0 24	11 26	1 53	21 48	14 38	13 35	13 1	17 54	17 29	5 54
S 3	23 0	21 36	1 55	17 7	2 23	10 36	2 30	24 23	1 3	9 23	1 10	22 23	0 56	14 20	0 24	11 26	1 53	21 49	14 38	13 35	13 0	17 52	17 29	5 54
S 4	23 6	25 3	2 56	17 26	2 16	10 59	2 30	24 20	1 3	9 27	1 10	22 24	0 56	14 21	0 24	11 26	1 53	21 49	14 39	13 33	12 59	17 49	17 28	5 54
M 5	23 10	27 11	3 48	17 46	2 9	11 22	2 30	24 17	1 3	9 30	1 10	22 24	0 56	14 22	0 24	11 25	1 53	21 50	14 39	13 31	12 58	17 46	17 28	5 54
T 6	23 15	27 51	4 27	18 7	2 2	11 45	2 30	24 14	1 3	9 34	1 11	22 25	0 56	14 23	0 24	11 25	1 53	21 50	14 40	13 28	12 57	17 44	17 28	5 54
W 7	23 19	27 6	4 53	18 28	1 54	12 7	2 30	24 11	1 4	9 37	1 11	22 25	0 56	14 24	0 24	11 25	1 53	21 51	14 40	13 25	12 55	17 41	17 28	5 54
T 8	23 22	25 4	5 6	18 50	1 46	12 30	2 29	24 7	1 4	9 41	1 11	22 26	0 56	14 25	0 24	11 25	1 53	21 51	14 41	13 22	12 54	17 39	17 27	5 54
F 9	23 25	21 56	5 4	19 12	1 38	12 52	2 29	24 3	1 4	9 44	1 11	22 26	0 56	14 26	0 24	11 24	1 53	21 52	14 41	13 19	12 53	17 36	17 27	5 54
S 10	23 27	17 56	4 49	19 34	1 30	13 14	2 28	23 59	1 4	9 48	1 11	22 26	0 56	14 26	0 24	11 24	1 53	21 52	14 42	13 17	12 52	17 33	17 27	5 54
S 11	23 29	13 16	4 22	19 55	1 22	13 36	2 28	23 55	1 4	9 51	1 11	22 27	0 56	14 27	0 24	11 24	1 53	21 53	14 42	13 15	12 51	17 31	17 27	5 54
M12	23 31	8 6	3 44	20 17	1 14	13 57	2 27	23 50	1 4	9 54	1 11	22 27	0 55	14 28	0 24	11 23	1 53	21 53	14 43	13 15	12 50	17 28	17 26	5 54
T 13	23 32	2 36	2 56	20 38	1 6	14 19	2 26	23 45	1 5	9 57	1 12	22 28	0 55	14 29	0 24	11 23	1 53	21 54	14 43	13 14	12 49	17 25	17 26	5 54
W14	23 32	3n 4	1 59	20 58	0 57	14 40	2 25	23 39	1 5	10 1	1 12	22 28	0 55	14 30	0 24	11 23	1 53	21 54	14 44	13 15	12 48	17 23	17 26	5 54
T 15	23 32	8 46	0 55	21 18	0 49	15 1	2 24	23 34	1 5	10 4	1 12	22 28	0 55	14 31	0 24	11 23	1 52	21 55	14 44	13 15	12 47	17 20	17 26	5 53
F 16	23 32	14 16	0n13	21 38	0 41	15 21	2 23	23 28	1 5	10 7	1 12	22 29	0 55	14 32	0 24	11 23	1 52	21 56	14 45	13 15	12 46	17 18	17 25	5 53
S 17	23 31	19 19	1 23	21 56	0 33	15 41	2 22	23 22	1 5	10 10	1 12	22 29	0 55	14 33	0 24	11 22	1 52	21 56	14 45	13 15	12 45	17 15	17 25	5 53
S 18	23 30	23 32	2 29	22 14	0 25	16 1	2 20	23 15	1 5	10 13	1 12	22 30	0 55	14 33	0 24	11 22	1 52	21 57	14 46	13 14	12 44	17 12	17 25	5 53
M19	23 28	26 30	3 29	22 31	0 18	16 21	2 19	23 8	1 5	10 16	1 12	22 30	0 55	14 34	0 24	11 22	1 52	21 57	14 46	13 12	12 42	17 10	17 24	5 53
T 20	23 26	27 48	4 18	22 47	0 10	16 40	2 18	23 1	1 5	10 19	1 13	22 30	0 55	14 35	0 24	11 22	1 52	21 58	14 47	13 9	12 41	17 7	17 24	5 54
W21	23 23	27 11	4 50	23 3	0 2	16 58	2 16	22 54	1 5	10 22	1 13	22 31	0 55	14 36	0 24	11 22	1 52	21 59	14 47	13 5	12 40	17 4	17 24	5 54
T 22	23 20	24 38	5 3	23 17	0s 5	17 17	2 14	22 47	1 6	10 24	1 13	22 31	0 55	14 36	0 24	11 22	1 52	21 59	14 48	13 2	12 39	17 2	17 23	5 54
F 23	23 16	20 25	4 55	23 30	0 13	17 35	2 13	22 39	1 6	10 27	1 13	22 31	0 55	14 37	0 24	11 21	1 52	22 0	14 48	12 59	12 38	16 59	17 23	5 54
S 24	23 12	14 59	4 28	23 42	0 20	17 52	2 11	22 31	1 6	10 30	1 13	22 32	0 55	14 38	0 24	11 21	1 52	22 1	14 49	12 56	12 37	16 56	17 22	5 54
S 25	23 7	8 48	3 44	23 53	0 27	18 10	2 9	22 23	1 6	10 33	1 13	22 32	0 55	14 39	0 24	11 21	1 52	22 1	14 49	12 55	12 36	16 54	17 22	5 54
M26	23 2	2 16	2 47	24 3	0 34	18 26	2 7	22 14	1 6	10 35	1 14	22 32	0 55	14 39	0 24	11 21	1 52	22 2	14 50	12 54	12 35	16 51	17 22	5 54
T 27	22 57	4s13	1 41	24 12	0 40	18 43	2 5	22 5	1 6	10 38	1 14	22 32	0 55	14 40	0 24	11 21	1 52	22 3	14 50	12 54	12 34	16 48	17 21	5 54
W28	22 51	10 23	0 31	24 19	0 47	18 59	2 3	21 56	1 6	10 40	1 14	22 33	0 55	14 41	0 24	11 21	1 52	22 3	14 51	12 54	12 33	16 45	17 21	5 54
T 29	22 44	15 57	0s39	24 25	0 53	19 14	2 0	21 47	1 6	10 43	1 14	22 33	0 55	14 41	0 24	11 21	1 52	22 4	14 51	12 54	12 32	16 43	17 20	5 54
F 30	22 37	20 41	1 46	24 30	0 59	19 29	1 58	21 37	1 6	10 45	1 14	22 33	0 55	14 42	0 24	11 21	1 52	22 5	14 52	12 53	12 30	16 40	17 20	5 54
S 31	22s30	24s22	2s47	24s34	1s 5	19s43	1n56	21s27	1s 6	10s47	1n14	22s34	0n55	14s43	0n24	11n21	1s52	22n 6	14n52	12n52	12n29	16s37	17s19	5n54

Julian Day Number = 2167727.5, Delta T = 12m36s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'15, Lahiri = 13°01'16 Julian Calendar 1 Dec. 1222 == Greg. Calendar 8 Dec. 1222

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

JANUARY 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 17	17♑40'29	19♐57	5♑28	8♐31	0♒ 6	1♏21	25♐42	10♏43	4°R34	8°R35	3°R45	2♉44	28♒ 1	9♑28	S 1
M 2	7 12 14	18°41'36	2♑26	7° 1	9°43	0°54	1°28	25°49	10°45	4♉33	8♍34	3♉34	2°41	28° 7	9°33	M 2
T 3	7 16 10	19°42'42	14°46	8°35	10°56	1°41	1°35	25°56	10°47	4°33	8°33	3°21	2°37	28°14	9°39	T 3
W 4	7 20 7	20°43'47	26°57	10°10	12° 8	2°28	1°41	26° 3	10°49	4°33	8°32	3° 7	2°34	28°21	9°45	W 4
T 5	7 24 3	21°44'52	9♒ 1	11°45	13°21	3°16	1°48	26° 9	10°51	4°33	8°31	2°52	2°31	28°27	9°50	T 5
F 6	7 28 0	22°45'55	20°58	13°21	14°34	4° 3	1°54	26°16	10°53	4°33	8°30	2°39	2°28	28°34	9°56	F 6
S 7	7 31 56	23°46'58	2♓50	14°57	15°46	4°51	2° 0	26°22	10°54	4°33	8°29	2°27	2°25	28°41	10° 1	S 7
S 8	7 35 53	24°47'59	14°39	16°34	16°59	5°38	2° 6	26°29	10°56	4°D33	8°28	2°18	2°22	28°48	10° 7	S 8
M 9	7 39 50	25°49'00	26°28	18°11	18°12	6°26	2°12	26°35	10°58	4°33	8°27	2°13	2°18	28°54	10°12	M 9
T 10	7 43 46	26°49'59	8♈23	19°50	19°25	7°13	2°18	26°42	10°59	4°33	8°26	2° 9	2°15	29° 1	10°18	T 10
W11	7 47 43	27°50'56	20°27	21°28	20°37	8° 0	2°23	26°48	11° 1	4°33	8°25	2° 8	2°12	29° 8	10°23	W11
T 12	7 51 39	28°51'53	2♉46	23° 8	21°50	8°48	2°29	26°54	11° 2	4°33	8°24	2° 8	2° 9	29°14	10°29	T 12
F 13	7 55 36	29°52'48	15°25	24°48	23° 3	9°35	2°34	27° 1	11° 4	4°33	8°23	2° 8	2° 6	29°21	10°34	F 13
S 14	7 59 32	0♒53'42	28°30	26°29	24°16	10°23	2°39	27° 7	11° 5	4°33	8°21	2° 6	2° 2	29°28	10°40	S 14
S 15	8 3 29	1°54'35	12♊ 3	28°11	25°29	11°10	2°44	27°13	11° 6	4°34	8°20	2° 2	1°59	29°34	10°45	S 15
M16	8 7 25	2°55'26	26° 7	29°53	26°42	11°58	2°49	27°20	11° 7	4°34	8°19	1°55	1°56	29°41	10°50	M16
T 17	8 11 22	3°56'16	10♋39	1♒36	27°55	12°45	2°54	27°26	11° 9	4°34	8°18	1°46	1°53	29°48	10°56	T 17
W18	8 15 19	4°57'04	25°36	3°20	29° 8	13°33	2°58	27°32	11°10	4°35	8°16	1°34	1°50	29°55	11° 1	W18
T 19	8 19 15	5°57'51	10♌47	5° 5	0♑21	14°20	3° 2	27°38	11°11	4°35	8°15	1°23	1°47	0♓ 1	11° 6	T 19
F 20	8 23 12	6°58'37	26° 2	6°50	1°34	15° 7	3° 6	27°44	11°12	4°35	8°14	1°12	1°43	0° 8	11°12	F 20
S 21	8 27 8	7°59'22	11♍10	8°36	2°48	15°55	3°10	27°50	11°13	4°36	8°13	1° 3	1°40	0°15	11°17	S 21
S 22	8 31 5	9° 0'05	26° 2	10°23	4° 1	16°42	3°14	27°56	11°14	4°36	8°11	0°56	1°37	0°21	11°22	S 22
M23	8 35 1	10° 0'47	10♎31	12°11	5°14	17°30	3°17	28° 2	11°15	4°37	8°10	0°53	1°34	0°28	11°27	M23
T 24	8 38 58	11° 1'28	24°35	13°59	6°27	18°17	3°21	28° 7	11°16	4°37	8° 9	0°52	1°31	0°35	11°32	T 24
W25	8 42 54	12° 2'08	8♏14	15°48	7°41	19° 5	3°24	28°13	11°16	4°38	8° 7	0°52	1°28	0°42	11°38	W25
T 26	8 46 51	13° 2'47	21°29	17°38	8°54	19°52	3°27	28°19	11°17	4°38	8° 6	0°52	1°24	0°48	11°43	T 26
F 27	8 50 48	14° 3'24	4♐24	19°28	10° 7	20°39	3°30	28°25	11°18	4°39	8° 4	0°50	1°21	0°55	11°48	F 27
S 28	8 54 44	15° 4'01	17° 2	21°18	11°21	21°27	3°33	28°30	11°18	4°40	8° 3	0°46	1°18	1° 2	11°53	S 28
S 29	8 58 41	16° 4'36	29°28	23° 9	12°34	22°14	3°35	28°36	11°19	4°41	8° 1	0°39	1°15	1° 8	11°58	S 29
M30	9 2 37	17° 5'10	11♑43	25° 0	13°47	23° 2	3°37	28°41	11°19	4°41	8° 0	0°29	1°12	1°15	12° 3	M30
T 31	9 6 34	18♒ 5'42	23♑50	26♒52	15♑ 1	23♒49	3♏40	28♐47	11♏20	4♉42	7♍59	0♉17	1♉ 8	1♓22	12♑ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s22	26s47	3s38	24s36	1s11	19s57	1n53	21s17	1s 6	10s50	1n15	22s34	0n55	14s43	0n24	11n21	1s51	22n 6	14n52	12n49	12n28	16s35	17s19	5n54
M 2	22 14	27 49	4 17	24 37	1 16	20 11	1 51	21 7	1 6	10 52	1 15	22 34	0 54	14 44	0 24	11 21	1 51	22 7	14 53	12 46	12 27	16 32	17 18	5 54
T 3	22 5	27 26	4 44	24 37	1 21	20 23	1 48	20 57	1 6	10 54	1 15	22 34	0 54	14 45	0 24	11 21	1 51	22 8	14 53	12 41	12 26	16 29	17 18	5 55
W 4	21 56	25 44	4 58	24 35	1 26	20 36	1 46	20 46	1 6	10 56	1 15	22 35	0 54	14 45	0 24	11 21	1 51	22 9	14 54	12 36	12 25	16 26	17 17	5 55
T 5	21 47	22 52	4 58	24 32	1 31	20 48	1 43	20 35	1 6	10 58	1 15	22 35	0 54	14 46	0 24	11 21	1 51	22 9	14 54	12 31	12 24	16 24	17 17	5 55
F 6	21 37	19 4	4 45	24 27	1 35	20 59	1 41	20 24	1 6	11 0	1 15	22 35	0 54	14 46	0 24	11 21	1 51	22 10	14 55	12 27	12 23	16 21	17 16	5 55
S 7	21 26	14 32	4 19	24 21	1 40	21 9	1 38	20 12	1 6	11 2	1 16	22 35	0 54	14 47	0 24	11 21	1 51	22 11	14 55	12 23	12 22	16 18	17 16	5 55
S 8	21 16	9 30	3 43	24 13	1 43	21 19	1 35	20 0	1 6	11 4	1 16	22 35	0 54	14 47	0 24	11 21	1 51	22 12	14 55	12 20	12 21	16 16	17 15	5 55
M 9	21 4	4 6	2 56	24 4	1 47	21 29	1 32	19 49	1 6	11 6	1 16	22 36	0 54	14 48	0 24	11 21	1 51	22 12	14 56	12 18	12 20	16 13	17 15	5 55
T 10	20 53	1n28	2 2	23 53	1 50	21 38	1 29	19 36	1 6	11 8	1 16	22 36	0 54	14 48	0 24	11 21	1 51	22 13	14 56	12 16	12 18	16 10	17 14	5 56
W11	20 41	7 4	1 1	23 41	1 53	21 46	1 27	19 24	1 6	11 10	1 16	22 36	0 54	14 49	0 24	11 21	1 51	22 14	14 56	12 16	12 17	16 7	17 13	5 56
T 12	20 29	12 32	0n 3	23 27	1 56	21 54	1 24	19 12	1 6	11 11	1 17	22 36	0 54	14 49	0 24	11 21	1 51	22 15	14 57	12 16	12 16	16 4	17 13	5 56
F 13	20 16	17 38	1 10	23 12	1 58	22 1	1 21	18 59	1 6	11 13	1 17	22 36	0 54	14 49	0 24	11 21	1 51	22 15	14 57	12 16	12 15	16 2	17 12	5 56
S 14	20 3	22 6	2 14	22 55	2 0	22 7	1 18	18 46	1 6	11 14	1 17	22 37	0 54	14 50	0 24	11 22	1 51	22 16	14 58	12 15	12 14	15 59	17 12	5 56
S 15	19 49	25 32	3 14	22 36	2 2	22 13	1 15	18 33	1 5	11 16	1 17	22 37	0 54	14 50	0 24	11 22	1 51	22 17	14 58	12 14	12 13	15 56	17 11	5 56
M16	19 35	27 33	4 4	22 16	2 3	22 18	1 12	18 19	1 5	11 17	1 17	22 37	0 54	14 51	0 24	11 22	1 51	22 18	14 58	12 12	12 12	15 53	17 10	5 57
T 17	19 21	27 46	4 40	21 54	2 4	22 23	1 9	18 6	1 5	11 19	1 18	22 37	0 54	14 51	0 24	11 22	1 50	22 19	14 59	12 8	12 11	15 51	17 10	5 57
W18	19 7	26 0	4 58	21 30	2 4	22 27	1 6	17 52	1 5	11 20	1 18	22 37	0 54	14 51	0 24	11 22	1 50	22 19	14 59	12 4	12 10	15 48	17 9	5 57
T 19	18 52	22 21	4 56	21 5	2 4	22 30	1 3	17 38	1 5	11 21	1 18	22 37	0 54	14 52	0 24	11 22	1 50	22 20	14 59	12 0	12 9	15 45	17 8	5 57
F 20	18 36	17 10	4 33	20 38	2 3	22 33	0 59	17 24	1 5	11 23	1 18	22 37	0 54	14 52	0 24	11 23	1 50	22 21	15 0	11 56	12 7	15 42	17 8	5 58
S 21	18 21	10 57	3 50	20 9	2 2	22 34	0 56	17 10	1 5	11 24	1 18	22 37	0 54	14 52	0 24	11 23	1 50	22 22	15 0	11 53	12 6	15 39	17 7	5 58
S 22	18 5	4 13	2 53	19 39	2 1	22 36	0 53	16 55	1 5	11 25	1 19	22 38	0 54	14 53	0 24	11 23	1 50	22 23	15 0	11 51	12 5	15 37	17 6	5 58
M23	17 49	2s34	1 45	19 7	1 59	22 36	0 50	16 41	1 4	11 26	1 19	22 38	0 54	14 53	0 24	11 23	1 50	22 23	15 1	11 50	12 4	15 34	17 6	5 58
T 24	17 32	9 3	0 33	18 33	1 56	22 36	0 47	16 26	1 4	11 27	1 19	22 38	0 54	14 53	0 24	11 23	1 50	22 24	15 1	11 49	12 3	15 31	17 5	5 59
W25	17 15	14 55	0s39	17 58	1 53	22 35	0 44	16 11	1 4	11 28	1 19	22 38	0 54	14 53	0 24	11 24	1 50	22 25	15 1	11 49	12 2	15 28	17 4	5 59
T 26	16 58	19 56	1 47	17 21	1 50	22 34	0 41	15 56	1 4	11 29	1 19	22 38	0 54	14 54	0 24	11 24	1 50	22 26	15 1	11 49	12 1	15 25	17 4	5 59
F 27	16 41	23 51	2 47	16 43	1 46	22 32	0 37	15 41	1 4	11 29	1 20	22 38	0 54	14 54	0 24	11 24	1 50	22 27	15 2	11 49	12 0	15 23	17 3	5 59
S 28	16 23	26 32	3 38	16 3	1 41	22 29	0 34	15 25	1 4	11 30	1 20	22 38	0 54	14 54	0 25	11 25	1 50	22 27	15 2	11 47	11 59	15 20	17 2	6 0
S 29	16 5	27 50	4 18	15 22	1 35	22 26	0 31	15 10	1 4	11 31	1 20	22 38	0 54	14 54	0 25	11 25	1 50	22 28	15 2	11 45	11 57	15 17	17 2	6 0
M30	15 47	27 45	4 45	14 39	1 29	22 22	0 28	14 54	1 3	11 31	1 20	22 38	0 54	14 54	0 25	11 25	1 50	22 29	15 2	11 42	11 56	15 14	17 1	6 0
T 31	15s28	26s20	4s59	13s54	1s23	22s17	0n25	14s38	1s 3	11s32	1n20	22s38	0n54	14s54	0n25	11n25	1s50	22n30	15n 3	11n37	11n55	15s11	17s 0	6n 1

Julian Day Number = 2167758.5, Delta T = 12m36s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'20, Lahiri = 13°01'20 Julian Calendar 1 Jan. 1223 == Greg. Calendar 8 Jan. 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

FEBRUARY 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 10 30	19♒ 6'13	5♒51	28♒43	16♉14	24♒36	3♏42	28♐52	11♏20	4♉43	7°R57	0°R 4	1♉ 5	1♓28	12♉12	W 1
T 2	9 14 27	20° 6'42	17°48	0♓33	17°28	25°24	3°43	28°57	11°20	4°44	7♍56	29♈50	1° 2	1°35	12°17	T 2
F 3	9 18 23	21° 7'10	29°40	2°24	18°41	26°11	3°45	29° 2	11°21	4°45	7°54	29°37	0°59	1°42	12°22	F 3
S 4	9 22 20	22° 7'36	11♓30	4°13	19°55	26°58	3°46	29° 8	11°21	4°45	7°53	29°26	0°56	1°49	12°27	S 4
S 5	9 26 17	23° 7'59	23°20	6° 1	21° 8	27°46	3°47	29°13	11°21	4°46	7°51	29°17	0°53	1°55	12°31	S 5
M 6	9 30 13	24° 8'22	5♈11	7°48	22°22	28°33	3°48	29°18	11°21	4°47	7°49	29°12	0°49	2° 2	12°36	M 6
T 7	9 34 10	25° 8'42	17° 8	9°33	23°35	29°20	3°49	29°23	11°R21	4°48	7°48	29° 9	0°46	2° 9	12°41	T 7
W 8	9 38 6	26° 9'00	29°13	11°15	24°49	0♓ 7	3°50	29°28	11°21	4°49	7°46	29°D 8	0°43	2°15	12°45	W 8
T 9	9 42 3	27° 9'16	11♉31	12°54	26° 2	0°55	3°50	29°32	11°21	4°50	7°45	29° 8	0°40	2°22	12°50	T 9
F 10	9 45 59	28° 9'30	24° 6	14°30	27°16	1°42	3°51	29°37	11°21	4°52	7°43	29°R 9	0°37	2°29	12°54	F 10
S 11	9 49 56	29° 9'42	7♊ 5	16° 2	28°29	2°29	3°R51	29°42	11°21	4°53	7°42	29° 9	0°34	2°36	12°58	S 11
S 12	9 53 52	0♓ 9'52	20°30	17°29	29°43	3°16	3°51	29°46	11°21	4°54	7°40	29° 7	0°30	2°42	13° 3	S 12
M13	9 57 49	1°10'00	4♋24	18°51	0♒56	4° 3	3°50	29°51	11°21	4°55	7°39	29° 3	0°27	2°49	13° 7	M13
T 14	10 1 46	2°10'06	18°48	20° 7	2°10	4°50	3°50	29°55	11°20	4°56	7°37	28°56	0°24	2°56	13°11	T 14
W15	10 5 42	3°10'10	3♌38	21°16	3°24	5°38	3°49	29°59	11°20	4°58	7°35	28°48	0°21	3° 2	13°16	W15
T 16	10 9 39	4°10'11	18°48	22°19	4°37	6°25	3°48	0♉ 4	11°19	4°59	7°34	28°40	0°18	3° 9	13°20	T 16
F 17	10 13 35	5°10'11	4♍ 7	23°14	5°51	7°12	3°47	0° 8	11°19	5° 0	7°32	28°31	0°14	3°16	13°24	F 17
S 18	10 17 32	6°10'08	19°25	24° 2	7° 4	7°59	3°46	0°13	11°18	5° 1	7°31	28°25	0°11	3°22	13°28	S 18
S 19	10 21 28	7°10'03	4♎31	24°41	8°18	8°46	3°44	0°17	11°18	5° 3	7°29	28°20	0° 8	3°29	13°32	S 19
M20	10 25 25	8° 9'57	19°15	25°12	9°32	9°33	3°43	0°21	11°17	5° 4	7°27	28°18	0° 5	3°36	13°36	M20
T 21	10 29 21	9° 9'49	3♏34	25°34	10°45	10°20	3°41	0°25	11°16	5° 6	7°26	28°D18	0° 2	3°43	13°40	T 21
W22	10 33 18	10° 9'39	17°24	25°48	11°59	11° 7	3°39	0°28	11°16	5° 7	7°24	28°19	29♈59	3°49	13°43	W22
T 23	10 37 15	11° 9'28	0♐47	25°R52	13°13	11°53	3°37	0°32	11°15	5° 9	7°23	28°20	29°55	3°56	13°47	T 23
F 24	10 41 11	12° 9'15	13°46	25°48	14°26	12°40	3°35	0°36	11°14	5°10	7°21	28°R20	29°52	4° 3	13°51	F 24
S 25	10 45 8	13° 9'00	26°24	25°36	15°40	13°27	3°32	0°40	11°13	5°12	7°19	28°19	29°49	4° 9	13°54	S 25
S 26	10 49 4	14° 8'44	8♉46	25°16	16°54	14°14	3°29	0°43	11°12	5°13	7°18	28°16	29°46	4°16	13°58	S 26
M27	10 53 1	15° 8'26	20°55	24°48	18° 7	15° 1	3°26	0°47	11°11	5°15	7°16	28°11	29°43	4°23	14° 2	M27
T 28	10 56 57	16♓ 8'05	2♒55	24♓14	19♒21	15♓47	3♏23	0♉50	11♏10	5♉16	7♍15	28♈ 5	29♈40	4♓29	14♉ 5	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	15s10	23s43	4s59	13s 9	1s15	22s12	0n22	14s22	1s 3	11s32	1n21	22s38	0n54	14s54	0n25	11n26	1s49	22n30	15n 3	11n33	11n54	15s 8	16s59	6n 1	W 1
T 2	14 51	20 6	4 46	12 22	1 7	22 5	0 19	14 6	1 3	11 33	1 21	22 38	0 54	14 55	0 25	11 26	1 49	22 31	15 3	11 28	11 53	15 6	16 59	6 1	T 2
F 3	14 31	15 42	4 21	11 35	0 59	21 59	0 15	13 49	1 2	11 33	1 21	22 38	0 54	14 55	0 25	11 26	1 49	22 32	15 3	11 23	11 52	15 3	16 58	6 2	F 3
S 4	14 12	10 44	3 45	10 46	0 49	21 51	0 12	13 33	1 2	11 33	1 21	22 38	0 54	14 55	0 25	11 27	1 49	22 33	15 3	11 19	11 51	15 0	16 57	6 2	S 4
S 5	13 52	5 23	2 58	9 57	0 39	21 43	0 9	13 16	1 2	11 34	1 21	22 38	0 54	14 55	0 25	11 27	1 49	22 34	15 4	11 16	11 50	14 57	16 56	6 2	S 5
M 6	13 32	0n11	2 4	9 7	0 29	21 35	0 6	13 0	1 2	11 34	1 22	22 39	0 54	14 55	0 25	11 28	1 49	22 34	15 4	11 14	11 49	14 54	16 56	6 3	M 6
T 7	13 12	5 47	1 4	8 18	0 17	21 25	0 3	12 43	1 2	11 34	1 22	22 39	0 54	14 55	0 25	11 28	1 49	22 35	15 4	11 13	11 47	14 51	16 55	6 3	T 7
W 8	12 51	11 15	0n 0	7 28	0 5	21 15	0 0	12 26	1 1	11 34	1 22	22 39	0 54	14 55	0 25	11 28	1 49	22 36	15 4	11 13	11 46	14 48	16 54	6 3	W 8
T 9	12 31	16 23	1 6	6 38	0n 7	21 5	0s 3	12 9	1 1	11 34	1 22	22 39	0 54	14 55	0 25	11 29	1 49	22 37	15 4	11 13	11 45	14 45	16 53	6 4	T 9
F 10	12 10	20 58	2 9	5 49	0 20	20 54	0 6	11 52	1 1	11 34	1 22	22 39	0 54	14 55	0 25	11 29	1 49	22 37	15 5	11 13	11 44	14 43	16 53	6 4	F 10
S 11	11 49	24 41	3 8	5 1	0 33	20 42	0 9	11 34	1 1	11 33	1 23	22 39	0 54	14 55	0 25	11 30	1 49	22 38	15 5	11 13	11 43	14 40	16 52	6 4	S 11
S 12	11 28	27 10	3 59	4 15	0 47	20 29	0 12	11 17	1 0	11 33	1 23	22 39	0 54	14 54	0 25	11 30	1 49	22 39	15 5	11 12	11 42	14 37	16 51	6 5	S 12
M13	11 6	28 6	4 38	3 30	1 1	20 16	0 15	11 0	1 0	11 33	1 23	22 39	0 54	14 54	0 25	11 31	1 49	22 40	15 5	11 11	11 41	14 34	16 50	6 5	M13
T 14	10 45	27 11	5 1	2 47	1 16	20 3	0 17	10 42	1 0	11 33	1 23	22 39	0 54	14 54	0 25	11 31	1 49	22 40	15 5	11 9	11 40	14 31	16 49	6 5	T 14
W15	10 23	24 21	5 4	2 6	1 30	19 49	0 20	10 24	0 59	11 32	1 23	22 39	0 54	14 54	0 25	11 31	1 49	22 41	15 5	11 6	11 39	14 28	16 49	6 6	W15
T 16	10 1	19 48	4 47	1 28	1 44	19 34	0 23	10 7	0 59	11 32	1 24	22 39	0 54	14 54	0 25	11 32	1 49	22 42	15 5	11 3	11 37	14 25	16 48	6 6	T 16
F 17	9 39	13 54	4 9	0 53	1 58	19 18	0 26	9 49	0 59	11 31	1 24	22 39	0 54	14 54	0 25	11 32	1 49	22 42	15 5	11 0	11 36	14 22	16 47	6 7	F 17
S 18	9 17	7 10	3 13	0 22	2 12	19 3	0 29	9 31	0 58	11 31	1 24	22 39	0 54	14 54	0 25	11 33	1 48	22 43	15 5	10 57	11 35	14 19	16 46	6 7	S 18
S 19	8 55	0 6	2 4	0n 6	2 25	18 46	0 31	9 13	0 58	11 30	1 24	22 39	0 54	14 53	0 25	11 33	1 48	22 44	15 5	10 56	11 34	14 17	16 45	6 7	S 19
M20	8 33	6s49	0 49	0 30	2 38	18 29	0 34	8 55	0 58	11 29	1 24	22 39	0 54	14 53	0 25	11 34	1 48	22 44	15 6	10 55	11 33	14 14	16 45	6 8	M20
T 21	8 10	13 12	0s28	0 50	2 50	18 12	0 36	8 37	0 58	11 28	1 25	22 39	0 54	14 53	0 25	11 34	1 48	22 45	15 6	10 55	11 32	14 11	16 44	6 8	T 21
W22	7 47	18 43	1 41	1 5	3 1	17 54	0 39	8 19	0 57	11 28	1 25	22 39	0 54	14 53	0 25	11 35	1 48	22 46	15 6	10 55	11 31	14 8	16 43	6 9	W22
T 23	7 25	23 7	2 46	1 16	3 10	17 35	0 41	8 0	0 57	11 27	1 25	22 38	0 54	14 53	0 25	11 36	1 48	22 46	15 6	10 56	11 30	14 5	16 42	6 9	T 23
F 24	7 2	26 12	3 40	1 22	3 19	17 16	0 44	7 42	0 57	11 26	1 25	22 38	0 54	14 52	0 25	11 36	1 48	22 47	15 6	10 56	11 28	14 2	16 41	6 10	F 24
S 25	6 39	27 52	4 22	1 24	3 26	16 57	0 46	7 24	0 56	11 25	1 25	22 38	0 54	14 52	0 25	11 37	1 48	22 48	15 6	10 55	11 27	13 59	16 41	6 10	S 25
S 26	6 16	28 5	4 51	1 21	3 31	16 37	0 49	7 5	0 56	11 24	1 25	22 38	0 54	14 52	0 25	11 37	1 48	22 48	15 6	10 54	11 26	13 56	16 40	6 11	S 26
M27	5 53	26 57	5 6	1 13	3 35	16 16	0 51	6 47	0 55	11 22	1 26	22 38	0 54	14 51	0 25	11 38	1 48	22 49	15 6	10 53	11 25	13 53	16 39	6 11	M27
T 28	5s30	24s34	5s 8	1n 1	3n37	15s55	0s53	6s28	0s55	11s21	1n26	22s38	0n54	14s51	0n25	11n38	1s48	22n50	15n 6	10n50	11n24	13s50	16s38	6n11	T 28

Julian Day Number = 2167789.5, Delta T = 12m35s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'24, Lahiri = 13°01'24 Julian Calendar 1 Feb. 1223 == Greg. Calendar 8 Feb. 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

MARCH 1223 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 0 54	17♓ 7'43	14♒49	23°R34	20♒35	16♓34	3°R20	0♑53	11°R 9	5♉18	7°R13	27°R57	29♈36	4♓36	14♑ 8	W 1
T 2	11 4 50	18° 7'19	26°41	22♓49	21°48	17°21	3♏17	0°56	11♏ 8	5°20	7♍12	27♈49	29°33	4°43	14°12	T 2
F 3	11 8 47	19° 6'53	8♓31	22° 0	23° 2	18° 8	3°13	0°59	11° 7	5°21	7°10	27°42	29°30	4°50	14°15	F 3
S 4	11 12 44	20° 6'25	20°22	21° 9	24°16	18°54	3° 9	1° 2	11° 6	5°23	7° 8	27°36	29°27	4°56	14°18	S 4
S 5	11 16 40	21° 5'55	2♈15	20°16	25°30	19°41	3° 5	1° 5	11° 4	5°25	7° 7	27°31	29°24	5° 3	14°21	S 5
M 6	11 20 37	22° 5'23	14°13	19°22	26°43	20°27	3° 1	1° 8	11° 3	5°26	7° 5	27°28	29°20	5°10	14°24	M 6
T 7	11 24 33	23° 4'48	26°17	18°29	27°57	21°14	2°57	1°11	11° 2	5°28	7° 4	27°D27	29°17	5°16	14°27	T 7
W 8	11 28 30	24° 4'12	8♉30	17°38	29°11	22° 0	2°52	1°14	11° 0	5°30	7° 2	27°28	29°14	5°23	14°30	W 8
T 9	11 32 26	25° 3'33	20°55	16°49	0♓24	22°47	2°48	1°16	10°59	5°32	7° 1	27°29	29°11	5°30	14°33	T 9
F 10	11 36 23	26° 2'52	3♊36	16° 4	1°38	23°33	2°43	1°19	10°57	5°33	6°59	27°31	29° 8	5°36	14°36	F 10
S 11	11 40 19	27° 2'08	16°34	15°23	2°52	24°19	2°38	1°21	10°56	5°35	6°58	27°32	29° 5	5°43	14°39	S 11
S 12	11 44 16	28° 1'22	29°55	14°46	4° 5	25° 6	2°33	1°23	10°54	5°37	6°56	27°R33	29° 1	5°50	14°41	S 12
M13	11 48 13	29° 0'34	13♋40	14°15	5°19	25°52	2°28	1°25	10°53	5°39	6°55	27°32	28°58	5°56	14°44	M13
T 14	11 52 9	29°59'44	27°50	13°48	6°33	26°38	2°23	1°28	10°51	5°41	6°53	27°30	28°55	6° 3	14°46	T 14
W15	11 56 6	0♈58'51	12♌24	13°28	7°47	27°25	2°17	1°29	10°49	5°43	6°52	27°27	28°52	6°10	14°49	W15
T 16	12 0 2	1°57'56	27°16	13°13	9° 0	28°11	2°12	1°31	10°47	5°45	6°51	27°23	28°49	6°17	14°51	T 16
F 17	12 3 59	2°56'58	12♍21	13° 3	10°14	28°57	2° 6	1°33	10°46	5°47	6°49	27°20	28°46	6°23	14°53	F 17
S 18	12 7 55	3°55'58	27°30	12°D59	11°28	29°43	2° 0	1°35	10°44	5°49	6°48	27°17	28°42	6°30	14°56	S 18
S 19	12 11 52	4°54'56	12♎32	13° 1	12°41	0♈29	1°54	1°37	10°42	5°51	6°46	27°15	28°39	6°37	14°58	S 19
M20	12 15 48	5°53'52	27°19	13° 8	13°55	1°15	1°48	1°38	10°40	5°53	6°45	27°D15	28°36	6°43	15° 0	M20
T 21	12 19 45	6°52'46	11♏44	13°20	15° 9	2° 1	1°42	1°39	10°38	5°55	6°44	27°15	28°33	6°50	15° 2	T 21
W22	12 23 41	7°51'38	25°43	13°37	16°22	2°47	1°35	1°41	10°36	5°57	6°42	27°17	28°30	6°57	15° 4	W22
T 23	12 27 38	8°50'29	9♐16	13°59	17°36	3°33	1°29	1°42	10°34	5°59	6°41	27°18	28°26	7° 3	15° 6	T 23
F 24	12 31 35	9°49'18	22°23	14°26	18°50	4°18	1°22	1°43	10°32	6° 1	6°40	27°19	28°23	7°10	15° 7	F 24
S 25	12 35 31	10°48'05	5♑ 6	14°57	20° 3	5° 4	1°16	1°44	10°30	6° 3	6°38	27°20	28°20	7°17	15° 9	S 25
S 26	12 39 28	11°46'50	17°31	15°32	21°17	5°50	1° 9	1°45	10°28	6° 5	6°37	27°R20	28°17	7°23	15°11	S 26
M27	12 43 24	12°45'34	29°40	16°11	22°31	6°36	1° 2	1°46	10°26	6° 7	6°36	27°19	28°14	7°30	15°12	M27
T 28	12 47 21	13°44'15	11♒39	16°54	23°44	7°21	0°55	1°47	10°24	6° 9	6°35	27°18	28°11	7°37	15°14	T 28
W29	12 51 17	14°42'55	23°31	17°40	24°58	8° 7	0°48	1°47	10°22	6°11	6°34	27°16	28° 7	7°44	15°15	W29
T 30	12 55 14	15°41'33	5♓21	18°30	26°12	8°52	0°41	1°48	10°20	6°13	6°32	27°14	28° 4	7°50	15°16	T 30
F 31	12 59 10	16♈40'10	17♓11	19♓23	27♓25	9♈38	0♏34	1♑48	10♏17	6♉16	6♍31	27♈13	28♈ 1	7♓57	15♑18	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s 6	21s10	4s56	0n46	3n37	15s34	0s55	6s10	0s55	11s20	1n26	22s38	0n54	14s51	0n25	11n39	1s48	22n50	15n 6	10n48	11n23	13s47	16s37	6n12
T 2	4 43	16 55	4 31	0 26	3 35	15 12	0 57	5 51	0 54	11 19	1 26	22 38	0 54	14 50	0 25	11 40	1 48	22 51	15 6	10 45	11 22	13 44	16 37	6 12
F 3	4 20	12 2	3 55	0 4	3 32	14 50	0 59	5 32	0 54	11 17	1 26	22 38	0 54	14 50	0 25	11 40	1 48	22 51	15 6	10 42	11 21	13 41	16 36	6 13
S 4	3 56	6 43	3 8	0s22	3 26	14 27	1 1	5 14	0 54	11 16	1 26	22 38	0 54	14 50	0 25	11 41	1 48	22 52	15 6	10 40	11 19	13 38	16 35	6 13
S 5	3 33	1 8	2 13	0 49	3 19	14 4	1 3	4 55	0 53	11 14	1 27	22 38	0 54	14 49	0 25	11 41	1 48	22 52	15 6	10 38	11 18	13 35	16 34	6 14
M 6	3 9	4n32	1 12	1 19	3 10	13 41	1 5	4 36	0 53	11 13	1 27	22 38	0 54	14 49	0 25	11 42	1 48	22 53	15 6	10 37	11 17	13 32	16 33	6 14
T 7	2 46	10 5	0 6	1 49	3 0	13 17	1 7	4 18	0 52	11 11	1 27	22 38	0 54	14 48	0 25	11 43	1 48	22 53	15 5	10 37	11 16	13 29	16 33	6 15
W 8	2 22	15 21	1n 0	2 20	2 48	12 53	1 9	3 59	0 52	11 10	1 27	22 38	0 54	14 48	0 25	11 43	1 48	22 54	15 5	10 37	11 15	13 26	16 32	6 15
T 9	1 58	20 4	2 5	2 51	2 35	12 29	1 11	3 40	0 51	11 8	1 27	22 38	0 54	14 47	0 25	11 44	1 48	22 54	15 5	10 37	11 14	13 23	16 31	6 16
F 10	1 35	23 59	3 5	3 21	2 21	12 4	1 12	3 21	0 51	11 6	1 27	22 38	0 54	14 47	0 25	11 44	1 48	22 55	15 5	10 38	11 13	13 20	16 30	6 16
S 11	1 11	26 48	3 57	3 51	2 6	11 39	1 14	3 2	0 51	11 4	1 27	22 38	0 54	14 46	0 25	11 45	1 47	22 55	15 5	10 39	11 12	13 17	16 29	6 17
S 12	0 47	28 11	4 38	4 19	1 51	11 13	1 15	2 43	0 50	11 2	1 28	22 38	0 54	14 46	0 25	11 46	1 47	22 56	15 5	10 39	11 10	13 14	16 29	6 17
M13	0 24	27 53	5 4	4 45	1 36	10 47	1 17	2 25	0 50	11 1	1 28	22 38	0 54	14 45	0 25	11 46	1 47	22 56	15 5	10 38	11 9	13 11	16 28	6 18
T 14	0 0	25 48	5 14	5 10	1 20	10 21	1 18	2 6	0 49	10 59	1 28	22 38	0 54	14 45	0 25	11 47	1 47	22 57	15 5	10 38	11 8	13 8	16 27	6 18
W15	0n24	22 0	5 3	5 32	1 4	9 55	1 19	1 47	0 49	10 57	1 28	22 38	0 54	14 44	0 25	11 48	1 47	22 57	15 5	10 37	11 7	13 5	16 26	6 19
T 16	0 47	16 43	4 32	5 53	0 49	9 28	1 21	1 28	0 48	10 55	1 28	22 38	0 54	14 44	0 25	11 48	1 47	22 58	15 5	10 35	11 6	13 2	16 26	6 19
F 17	1 11	10 22	3 42	6 10	0 33	9 2	1 22	1 9	0 48	10 52	1 28	22 38	0 54	14 43	0 25	11 49	1 47	22 58	15 4	10 34	11 5	12 59	16 25	6 20
S 18	1 34	3 23	2 36	6 26	0 18	8 35	1 23	0 50	0 48	10 50	1 28	22 38	0 54	14 43	0 25	11 50	1 47	22 59	15 4	10 33	11 4	12 56	16 24	6 20
S 19	1 58	3s44	1 20	6 39	0 4	8 7	1 24	0 32	0 47	10 48	1 28	22 38	0 54	14 42	0 25	11 50	1 47	22 59	15 4	10 32	11 3	12 53	16 23	6 21
M20	2 21	10 34	0s 0	6 49	0s11	7 40	1 25	0 13	0 47	10 46	1 28	22 38	0 54	14 41	0 25	11 51	1 47	22 59	15 4	10 32	11 1	12 50	16 23	6 21
T 21	2 45	16 40	1 19	6 57	0 24	7 12	1 26	0n 6	0 46	10 44	1 29	22 38	0 54	14 41	0 25	11 52	1 47	23 0	15 4	10 32	11 0	12 47	16 22	6 22
W22	3 8	21 43	2 31	7 2	0 37	6 44	1 27	0 25	0 46	10 41	1 29	22 38	0 54	14 40	0 25	11 53	1 47	23 0	15 4	10 33	10 59	12 44	16 21	6 23
T 23	3 31	25 25	3 32	7 5	0 50	6 16	1 28	0 43	0 45	10 39	1 29	22 37	0 54	14 40	0 25	11 53	1 47	23 0	15 3	10 33	10 58	12 41	16 20	6 23
F 24	3 54	27 38	4 19	7 6	1 2	5 48	1 28	1 2	0 45	10 37	1 29	22 37	0 54	14 39	0 25	11 54	1 47	23 1	15 3	10 34	10 57	12 38	16 20	6 24
S 25	4 18	28 19	4 53	7 5	1 13	5 19	1 29	1 21	0 44	10 34	1 29	22 37	0 54	14 38	0 25	11 55	1 47	23 1	15 3	10 34	10 56	12 35	16 19	6 24
S 26	4 41	27 32	5 11	7 1	1 24	4 50	1 30	1 40	0 44	10 32	1 29	22 37	0 54	14 38	0 25	11 55	1 47	23 1	15 3	10 34	10 55	12 32	16 18	6 25
M27	5 4	25 27	5 16	6 55	1 34	4 22	1 30	1 58	0 43	10 30	1 29	22 37	0 54	14 37	0 25	11 56	1 47	23 1	15 3	10 34	10 53	12 29	16 17	6 25
T 28	5 27	22 16	5 6	6 47	1 43	3 53	1 31	2 17	0 43	10 27	1 29	22 37	0 54	14 36	0 25	11 57	1 47	23 2	15 2	10 33	10 52	12 26	16 17	6 26
W29	5 49	18 12	4 44	6 36	1 52	3 24	1 31	2 35	0 42	10 25	1 29	22 37	0 55	14 36	0 25	11 58	1 47	23 2	15 2	10 33	10 51	12 23	16 16	6 26
T 30	6 12	13 27	4 9	6 24	2 0	2 55	1 31	2 54	0 42	10 22	1 29	22 37	0 55	14 35	0 25	11 58	1 47	23 2	15 2	10 32	10 50	12 20	16 15	6 27
F 31	6n35	8s12	3s24	6s10	2s 7	2s26	1s31	3n12	0s41	10s20	1n29	22s37	0n55	14s34	0n25	11n59	1s47	23n 2	15n 2	10n31	10n49	12s17	16s15	6n27

Julian Day Number = 2167817.5, Delta T = 12m35s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'28, Lahiri = 13°01'28 Julian Calendar 1 March 1223 == Greg. Calendar 8 March 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

APRIL 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 3 7	17♈38'44	29♓ 5	20♓19	28♓39	10♈23	0°R26	1♉49	10°R15	6♉18	6°R30	27°R11	27♈58	8♓ 4	15♉19	S 1
S 2	13 7 4	18°37'17	11♈ 5	21°18	29°53	11° 9	0♏19	1°49	10♏13	6°20	6♍29	27♈11	27°55	8°10	15°20	S 2
M 3	13 11 0	19°35'47	23°12	22°20	1♈ 6	11°54	0°12	1°49	10°11	6°22	6°28	27°D10	27°51	8°17	15°21	M 3
T 4	13 14 57	20°34'16	5♉30	23°24	2°20	12°40	0° 4	1°R49	10° 8	6°24	6°27	27°10	27°48	8°24	15°22	T 4
W 5	13 18 53	21°32'43	17°58	24°31	3°34	13°25	29♎57	1°49	10° 6	6°26	6°26	27°11	27°45	8°30	15°23	W 5
T 6	13 22 50	22°31'08	0♊39	25°41	4°47	14°10	29°49	1°49	10° 4	6°29	6°25	27°11	27°42	8°37	15°23	T 6
F 7	13 26 46	23°29'31	13°34	26°53	6° 1	14°55	29°42	1°49	10° 1	6°31	6°24	27°11	27°39	8°44	15°24	F 7
S 8	13 30 43	24°27'52	26°44	28° 8	7°15	15°40	29°34	1°48	9°59	6°33	6°23	27°12	27°36	8°50	15°25	S 8
S 9	13 34 39	25°26'10	10♋10	29°24	8°28	16°25	29°27	1°48	9°56	6°35	6°22	27°12	27°32	8°57	15°25	S 9
M10	13 38 36	26°24'27	23°54	0♈43	9°42	17°11	29°19	1°48	9°54	6°37	6°21	27°R12	27°29	9° 4	15°26	M10
T 11	13 42 33	27°22'41	7♌56	2° 4	10°56	17°55	29°11	1°47	9°52	6°40	6°20	27°D12	27°26	9°11	15°26	T 11
W12	13 46 29	28°20'54	22°13	3°28	12° 9	18°40	29° 4	1°46	9°49	6°42	6°19	27°12	27°23	9°17	15°26	W12
T 13	13 50 26	29°19'04	6♍44	4°53	13°23	19°25	28°56	1°45	9°47	6°44	6°18	27°12	27°20	9°24	15°27	T 13
F 14	13 54 22	0♉17'12	21°25	6°20	14°36	20°10	28°48	1°44	9°44	6°46	6°18	27°12	27°17	9°31	15°27	F 14
S 15	13 58 19	1°15'18	6♎10	7°50	15°50	20°55	28°41	1°43	9°42	6°49	6°17	27°13	27°13	9°37	15°R27	S 15
S 16	14 2 15	2°13'22	20°53	9°21	17° 4	21°40	28°33	1°42	9°39	6°51	6°16	27°R13	27°10	9°44	15°27	S 16
M17	14 6 12	3°11'25	5♏26	10°54	18°17	22°24	28°25	1°41	9°37	6°53	6°15	27°13	27° 7	9°51	15°27	M17
T 18	14 10 8	4° 9'26	19°44	12°30	19°31	23° 9	28°18	1°40	9°34	6°55	6°15	27°13	27° 4	9°57	15°27	T 18
W19	14 14 5	5° 7'25	3♐41	14° 7	20°44	23°53	28°10	1°38	9°32	6°58	6°14	27°12	27° 1	10° 4	15°26	W19
T 20	14 18 2	6° 5'23	17°16	15°46	21°58	24°38	28° 3	1°37	9°29	7° 0	6°13	27°11	26°57	10°11	15°26	T 20
F 21	14 21 58	7° 3'20	0♑27	17°27	23°12	25°22	27°55	1°35	9°27	7° 2	6°13	27°10	26°54	10°17	15°26	F 21
S 22	14 25 55	8° 1'15	13°15	19°10	24°25	26° 7	27°48	1°34	9°24	7° 4	6°12	27° 9	26°51	10°24	15°25	S 22
S 23	14 29 51	8°59'09	25°43	20°55	25°39	26°51	27°40	1°32	9°22	7° 7	6°12	27° 8	26°48	10°31	15°25	S 23
M24	14 33 48	9°57'01	7♒55	22°43	26°52	27°35	27°33	1°30	9°19	7° 9	6°11	27°D 7	26°45	10°37	15°24	M24
T 25	14 37 44	10°54'52	19°55	24°32	28° 6	28°20	27°26	1°28	9°17	7°11	6°11	27° 7	26°42	10°44	15°23	T 25
W26	14 41 41	11°52'42	1♓48	26°23	29°20	29° 4	27°18	1°26	9°14	7°13	6°10	27° 8	26°38	10°51	15°22	W26
T 27	14 45 37	12°50'31	13°38	28°16	0♉33	29°48	27°11	1°24	9°12	7°16	6°10	27° 9	26°35	10°58	15°22	T 27
F 28	14 49 34	13°48'18	25°30	0♉10	1°47	0♉32	27° 4	1°22	9° 9	7°18	6° 9	27°11	26°32	11° 4	15°21	F 28
S 29	14 53 31	14°46'04	7♈28	2° 7	3° 0	1°16	26°57	1°20	9° 7	7°20	6° 9	27°12	26°29	11°11	15°20	S 29
S 30	14 57 27	15♉43'49	19♈35	4♉ 6	4♉14	2♉ 0	26♎50	1♉17	9♏ 4	7♉22	6♍ 9	27♈13	26♈26	11♓18	15♉19	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n57	2s39	2s29	5s54	2s14	1s56	1s32	3n31	0s41	10s17	1n29	22s37	0n55	14s34	0n25	12n 0	1s47	23n 3	15n 1	10n31	10n48	12s14	16s14	6n28
S 2	7 20	3n 3	1 28	5 36	2 20	1 27	1 32	3 49	0 40	10 15	1 29	22 37	0 55	14 33	0 25	12 0	1 47	23 3	15 1	10 31	10 47	12 11	16 13	6 29
M 3	7 42	8 43	0 22	5 17	2 25	0 58	1 32	4 7	0 40	10 12	1 29	22 37	0 55	14 32	0 25	12 1	1 47	23 3	15 1	10 31	10 45	12 8	16 13	6 29
T 4	8 4	14 8	0n46	4 56	2 30	0 28	1 32	4 25	0 39	10 9	1 29	22 37	0 55	14 31	0 25	12 2	1 47	23 3	15 1	10 31	10 44	12 5	16 12	6 30
W 5	8 26	19 4	1 53	4 33	2 34	0n 1	1 32	4 44	0 38	10 7	1 29	22 37	0 55	14 31	0 25	12 3	1 47	23 3	15 0	10 31	10 43	12 2	16 11	6 30
T 6	8 48	23 14	2 55	4 8	2 38	0 31	1 31	5 2	0 38	10 4	1 29	22 37	0 55	14 30	0 25	12 3	1 47	23 3	15 0	10 31	10 42	11 59	16 11	6 31
F 7	9 10	26 20	3 50	3 42	2 41	1 0	1 31	5 20	0 37	10 1	1 29	22 37	0 55	14 29	0 25	12 4	1 47	23 4	15 0	10 31	10 41	11 56	16 10	6 31
S 8	9 31	28 4	4 34	3 15	2 44	1 30	1 31	5 38	0 37	9 59	1 29	22 37	0 55	14 28	0 25	12 5	1 47	23 4	14 59	10 31	10 40	11 52	16 9	6 32
S 9	9 53	28 12	5 3	2 46	2 45	1 59	1 30	5 56	0 36	9 56	1 29	22 37	0 55	14 28	0 25	12 6	1 47	23 4	14 59	10 31	10 39	11 49	16 9	6 32
M10	10 14	26 37	5 17	2 15	2 47	2 29	1 30	6 13	0 36	9 53	1 29	22 37	0 55	14 27	0 25	12 6	1 47	23 4	14 59	10 31	10 37	11 46	16 8	6 33
T 11	10 35	23 23	5 12	1 44	2 47	2 58	1 29	6 31	0 35	9 51	1 29	22 37	0 55	14 26	0 25	12 7	1 47	23 4	14 59	10 31	10 36	11 43	16 8	6 34
W12	10 56	18 41	4 48	1 10	2 47	3 28	1 29	6 49	0 35	9 48	1 29	22 37	0 55	14 25	0 25	12 8	1 47	23 4	14 58	10 31	10 35	11 40	16 7	6 34
T 13	11 17	12 52	4 5	0 36	2 47	3 57	1 28	7 6	0 34	9 45	1 29	22 37	0 55	14 25	0 25	12 9	1 47	23 4	14 58	10 31	10 34	11 37	16 7	6 35
F 14	11 37	6 16	3 6	0 0	2 46	4 26	1 28	7 24	0 34	9 43	1 29	22 37	0 55	14 24	0 25	12 9	1 47	23 4	14 58	10 31	10 33	11 34	16 6	6 35
S 15	11 58	0s43	1 54	0n37	2 44	4 55	1 27	7 41	0 33	9 40	1 29	22 37	0 55	14 23	0 25	12 10	1 47	23 4	14 57	10 31	10 32	11 31	16 5	6 36
S 16	12 18	7 39	0 35	1 15	2 42	5 24	1 26	7 59	0 32	9 37	1 29	22 37	0 55	14 22	0 25	12 11	1 47	23 4	14 57	10 32	10 31	11 28	16 5	6 36
M17	12 38	14 6	0s45	1 54	2 39	5 53	1 25	8 16	0 32	9 35	1 29	22 37	0 55	14 22	0 25	12 12	1 47	23 4	14 57	10 32	10 29	11 25	16 4	6 37
T 18	12 58	19 42	2 2	2 34	2 35	6 22	1 24	8 33	0 31	9 32	1 29	22 37	0 55	14 21	0 25	12 12	1 47	23 4	14 56	10 31	10 28	11 22	16 4	6 37
W19	13 17	24 4	3 9	3 16	2 32	6 51	1 23	8 50	0 31	9 30	1 28	22 37	0 55	14 20	0 25	12 13	1 47	23 4	14 56	10 31	10 27	11 18	16 3	6 38
T 20	13 36	26 58	4 3	3 58	2 27	7 19	1 22	9 7	0 30	9 27	1 28	22 37	0 55	14 19	0 25	12 14	1 47	23 4	14 56	10 31	10 26	11 15	16 3	6 38
F 21	13 56	28 15	4 43	4 41	2 22	7 48	1 21	9 24	0 29	9 24	1 28	22 37	0 55	14 18	0 25	12 14	1 47	23 4	14 55	10 30	10 25	11 12	16 2	6 39
S 22	14 15	27 59	5 7	5 26	2 17	8 16	1 20	9 41	0 29	9 22	1 28	22 37	0 55	14 18	0 25	12 15	1 47	23 4	14 55	10 30	10 24	11 9	16 2	6 40
S 23	14 33	26 16	5 16	6 11	2 11	8 44	1 19	9 57	0 28	9 19	1 28	22 37	0 55	14 17	0 25	12 16	1 47	23 3	14 55	10 30	10 22	11 6	16 1	6 40
M24	14 52	23 22	5 11	6 57	2 4	9 12	1 17	10 14	0 28	9 17	1 28	22 37	0 55	14 16	0 25	12 17	1 47	23 3	14 54	10 29	10 21	11 3	16 1	6 41
T 25	15 10	19 31	4 52	7 44	1 57	9 40	1 16	10 30	0 27	9 14	1 28	22 37	0 55	14 15	0 25	12 17	1 47	23 3	14 54	10 30	10 20	11 0	16 0	6 41
W26	15 28	14 56	4 21	8 31	1 50	10 7	1 15	10 47	0 26	9 12	1 28	22 37	0 55	14 14	0 25	12 18	1 47	23 3	14 53	10 30	10 19	10 57	16 0	6 42
T 27	15 46	9 49	3 38	9 19	1 42	10 34	1 13	11 3	0 26	9 9	1 28	22 37	0 55	14 14	0 25	12 19	1 47	23 3	14 53	10 30	10 18	10 53	16 0	6 42
F 28	16 3	4 20	2 46	10 7	1 34	11 1	1 12	11 19	0 25	9 7	1 27	22 37	0 55	14 13	0 25	12 20	1 47	23 3	14 53	10 31	10 17	10 50	15 59	6 43
S 29	16 20	1n20	1 47	10 56	1 25	11 28	1 10	11 35	0 25	9 4	1 27	22 37	0 55	14 12	0 25	12 20	1 47	23 2	14 52	10 31	10 16	10 47	15 59	6 43
S 30	16n37	7n 3	0s42	11n45	1s16	11n55	1s 8	11n51	0s24	9s 2	1n27	22s38	0n55	14s11	0n25	12n21	1s47	23n 2	14n52	10n32	10n14	10s44	15s58	6n44

Julian Day Number = 2167848.5, Delta T = 12m35s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'32, Lahiri = 13°01'33 Julian Calendar 1 Apr. 1223 == Greg. Calendar 8 Apr. 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

MAY 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 1 24	16♉41'32	1♉54	6♉ 7	5♉27	2♉44	26°R43	1°R15	9°R 2	7♉25	6°R 8	27°R13	26♈23	11♓24	15°R17	M 1
T 2	15 5 20	17°39'15	14°26	8° 9	6°41	3°28	26♎37	1♑13	8♏59	7°27	6♍ 8	27♈12	26°19	11°31	15♑16	T 2
W 3	15 9 17	18°36'56	27°14	10°13	7°55	4°12	26°30	1°10	8°57	7°29	6° 8	27°10	26°16	11°38	15°15	W 3
T 4	15 13 13	19°34'36	10♊16	12°19	9° 8	4°56	26°23	1° 7	8°54	7°31	6° 8	27° 8	26°13	11°44	15°14	T 4
F 5	15 17 10	20°32'14	23°34	14°26	10°22	5°39	26°17	1° 5	8°52	7°34	6° 7	27° 4	26°10	11°51	15°12	F 5
S 6	15 21 6	21°29'51	7♋ 5	16°34	11°35	6°23	26°11	1° 2	8°49	7°36	6° 7	27° 1	26° 7	11°58	15°11	S 6
S 7	15 25 3	22°27'27	20°48	18°44	12°49	7° 7	26° 4	0°59	8°47	7°38	6° 7	26°58	26° 3	12° 4	15° 9	S 7
M 8	15 29 0	23°25'01	4♌41	20°54	14° 3	7°50	25°58	0°56	8°45	7°40	6° 7	26°55	26° 0	12°11	15° 7	M 8
T 9	15 32 56	24°22'33	18°44	23° 5	15°16	8°34	25°52	0°53	8°42	7°42	6° 7	26°D54	25°57	12°18	15° 6	T 9
W10	15 36 53	25°20'04	2♍54	25°17	16°30	9°17	25°46	0°50	8°40	7°44	6° 7	26°54	25°54	12°24	15° 4	W10
T 11	15 40 49	26°17'34	17° 9	27°29	17°43	10° 1	25°40	0°47	8°37	7°47	6°D 7	26°55	25°51	12°31	15° 2	T 11
F 12	15 44 46	27°15'02	1♎28	29°41	18°57	10°44	25°35	0°43	8°35	7°49	6° 7	26°57	25°48	12°38	15° 0	F 12
S 13	15 48 42	28°12'29	15°47	1♊52	20°10	11°27	25°29	0°40	8°33	7°51	6° 7	26°58	25°44	12°44	14°58	S 13
S 14	15 52 39	29° 9'54	0♏ 3	4° 3	21°24	12°10	25°24	0°37	8°30	7°53	6° 7	26°R58	25°41	12°51	14°56	S 14
M15	15 56 35	0♊ 7'19	14°11	6°13	22°38	12°54	25°19	0°33	8°28	7°55	6° 7	26°57	25°38	12°58	14°54	M15
T 16	16 0 32	1° 4'42	28°10	8°22	23°51	13°37	25°14	0°30	8°26	7°57	6° 7	26°55	25°35	13° 5	14°52	T 16
W17	16 4 29	2° 2'05	11♐53	10°29	25° 5	14°20	25° 9	0°26	8°24	7°59	6° 8	26°50	25°32	13°11	14°50	W17
T 18	16 8 25	2°59'26	25°19	12°35	26°18	15° 3	25° 4	0°23	8°21	8° 1	6° 8	26°45	25°29	13°18	14°47	T 18
F 19	16 12 22	3°56'47	8♑25	14°39	27°32	15°46	24°59	0°19	8°19	8° 4	6° 8	26°39	25°25	13°25	14°45	F 19
S 20	16 16 18	4°54'08	21°12	16°42	28°46	16°29	24°55	0°15	8°17	8° 6	6° 8	26°33	25°22	13°31	14°43	S 20
S 21	16 20 15	5°51'27	3♒40	18°42	29°59	17°11	24°51	0°11	8°15	8° 8	6° 9	26°28	25°19	13°38	14°40	S 21
M22	16 24 11	6°48'46	15°53	20°40	1♊13	17°54	24°46	0° 8	8°13	8°10	6° 9	26°24	25°16	13°45	14°38	M22
T 23	16 28 8	7°46'04	27°54	22°36	2°26	18°37	24°42	0° 4	8°11	8°12	6° 9	26°22	25°13	13°51	14°35	T 23
W24	16 32 5	8°43'22	9♓47	24°30	3°40	19°20	24°39	29♐59	8° 9	8°14	6°10	26°D21	25° 9	13°58	14°32	W24
T 25	16 36 1	9°40'40	21°37	26°21	4°54	20° 2	24°35	29°56	8° 7	8°16	6°10	26°22	25° 6	14° 5	14°30	T 25
F 26	16 39 58	10°37'57	3♈30	28°10	6° 7	20°45	24°31	29°52	8° 5	8°18	6°11	26°23	25° 3	14°11	14°27	F 26
S 27	16 43 54	11°35'13	15°30	29°56	7°21	21°27	24°28	29°48	8° 3	8°20	6°11	26°25	25° 0	14°18	14°24	S 27
S 28	16 47 51	12°32'29	27°42	1♋40	8°34	22°10	24°25	29°44	8° 1	8°22	6°12	26°R25	24°57	14°25	14°21	S 28
M29	16 51 47	13°29'45	10♉10	3°22	9°48	22°52	24°22	29°40	7°59	8°24	6°12	26°24	24°54	14°31	14°19	M29
T 30	16 55 44	14°27'00	22°56	5° 1	11° 2	23°34	24°19	29°35	7°57	8°25	6°13	26°21	24°50	14°38	14°16	T 30
W31	16 59 40	15♊24'16	6♊ 2	6♋38	12♊15	24♉17	24♎16	29♐31	7♏55	8♉27	6♍13	26♈16	24♈47	14♓45	14♑13	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n54	12n35	0n26	12n34	1s 6	12n21	1s 7	12n 6	0s23	9s 0	1n27	22s38	0n55	14s10	0n25	12n22	1s47	23n 2	14n52	10n32	10n13	10s41	15s58	6n44
T 2	17 10	17 44	1 34	13 24	0 56	12 47	1 5	12 22	0 23	8 57	1 27	22 38	0 55	14 10	0 25	12 22	1 47	23 2	14 51	10 31	10 12	10 38	15 58	6 45
W 3	17 26	22 11	2 38	14 13	0 46	13 12	1 3	12 37	0 22	8 55	1 27	22 38	0 55	14 9	0 25	12 23	1 47	23 2	14 51	10 31	10 11	10 35	15 57	6 45
T 4	17 42	25 38	3 35	15 2	0 36	13 38	1 2	12 53	0 22	8 53	1 26	22 38	0 55	14 8	0 25	12 24	1 47	23 1	14 50	10 30	10 10	10 31	15 57	6 46
F 5	17 58	27 45	4 22	15 50	0 26	14 3	1 0	13 8	0 21	8 51	1 26	22 38	0 55	14 7	0 25	12 25	1 47	23 1	14 50	10 28	10 9	10 28	15 56	6 46
S 6	18 13	28 16	4 55	16 37	0 15	14 27	0 58	13 23	0 20	8 49	1 26	22 38	0 55	14 7	0 25	12 25	1 47	23 1	14 50	10 27	10 7	10 25	15 56	6 47
S 7	18 28	27 4	5 12	17 24	0 4	14 52	0 56	13 38	0 20	8 47	1 26	22 38	0 55	14 6	0 25	12 26	1 47	23 0	14 49	10 26	10 6	10 22	15 56	6 47
M 8	18 42	24 12	5 11	18 9	0n 6	15 16	0 54	13 53	0 19	8 45	1 26	22 38	0 55	14 5	0 25	12 27	1 47	23 0	14 49	10 25	10 5	10 19	15 56	6 48
T 9	18 57	19 53	4 51	18 54	0 17	15 39	0 52	14 8	0 19	8 43	1 25	22 38	0 55	14 4	0 25	12 27	1 47	23 0	14 48	10 25	10 4	10 16	15 55	6 48
W10	19 11	14 26	4 14	19 36	0 27	16 2	0 50	14 22	0 18	8 41	1 25	22 38	0 54	14 4	0 25	12 28	1 47	22 59	14 48	10 25	10 3	10 12	15 55	6 49
T 11	19 24	8 11	3 21	20 17	0 37	16 25	0 48	14 36	0 17	8 39	1 25	22 38	0 54	14 3	0 25	12 29	1 47	22 59	14 48	10 25	10 2	10 9	15 55	6 49
F 12	19 38	1 29	2 15	20 56	0 47	16 48	0 46	14 51	0 17	8 37	1 25	22 38	0 54	14 2	0 25	12 29	1 47	22 59	14 47	10 26	10 1	10 6	15 54	6 50
S 13	19 51	5s18	1 1	21 33	0 56	17 9	0 44	15 5	0 16	8 35	1 25	22 38	0 54	14 1	0 25	12 30	1 47	22 58	14 47	10 26	9 59	10 3	15 54	6 50
S 14	20 3	11 48	0s17	22 7	1 5	17 31	0 42	15 19	0 15	8 33	1 24	22 38	0 54	14 1	0 25	12 31	1 47	22 58	14 46	10 26	9 58	10 0	15 54	6 51
M15	20 16	17 38	1 33	22 39	1 14	17 52	0 40	15 32	0 15	8 32	1 24	22 38	0 54	14 0	0 25	12 31	1 47	22 57	14 46	10 26	9 57	9 57	15 54	6 51
T 16	20 28	22 28	2 42	23 9	1 22	18 13	0 38	15 46	0 14	8 30	1 24	22 38	0 54	13 59	0 25	12 32	1 47	22 57	14 46	10 25	9 56	9 53	15 54	6 51
W17	20 39	25 57	3 40	23 35	1 29	18 33	0 35	16 0	0 13	8 28	1 24	22 38	0 54	13 58	0 25	12 33	1 47	22 57	14 45	10 23	9 55	9 50	15 53	6 52
T 18	20 51	27 53	4 25	23 59	1 36	18 52	0 33	16 13	0 13	8 27	1 24	22 38	0 54	13 58	0 25	12 33	1 47	22 56	14 45	10 21	9 54	9 47	15 53	6 52
F 19	21 2	28 11	4 55	24 21	1 42	19 12	0 31	16 26	0 12	8 25	1 23	22 38	0 54	13 57	0 25	12 34	1 47	22 56	14 44	10 19	9 52	9 44	15 53	6 53
S 20	21 12	26 57	5 9	24 39	1 47	19 30	0 29	16 39	0 12	8 24	1 23	22 38	0 54	13 56	0 25	12 35	1 47	22 55	14 44	10 17	9 51	9 41	15 53	6 53
S 21	21 23	24 24	5 8	24 55	1 52	19 48	0 26	16 52	0 11	8 23	1 23	22 38	0 54	13 56	0 25	12 35	1 47	22 55	14 44	10 15	9 50	9 37	15 53	6 53
M22	21 32	20 48	4 53	25 8	1 56	20 6	0 24	17 5	0 10	8 21	1 23	22 38	0 54	13 55	0 25	12 36	1 47	22 54	14 43	10 14	9 49	9 34	15 53	6 54
T 23	21 42	16 24	4 25	25 19	1 59	20 23	0 22	17 17	0 10	8 20	1 22	22 38	0 54	13 54	0 25	12 37	1 47	22 54	14 43	10 13	9 48	9 31	15 53	6 54
W24	21 51	11 25	3 46	25 27	2 2	20 40	0 19	17 29	0 9	8 19	1 22	22 39	0 54	13 54	0 25	12 37	1 47	22 53	14 42	10 13	9 47	9 28	15 52	6 55
T 25	22 0	6 3	2 57	25 33	2 3	20 55	0 17	17 42	0 8	8 18	1 22	22 39	0 54	13 53	0 25	12 38	1 47	22 53	14 42	10 13	9 45	9 25	15 52	6 55
F 26	22 8	0 27	2 1	25 36	2 4	21 11	0 15	17 54	0 8	8 17	1 22	22 39	0 54	13 52	0 25	12 38	1 47	22 52	14 42	10 14	9 44	9 21	15 52	6 55
S 27	22 16	5n14	0 59	25 37	2 4	21 26	0 12	18 5	0 7	8 16	1 21	22 39	0 54	13 52	0 24	12 39	1 47	22 51	14 41	10 14	9 43	9 18	15 52	6 56
S 28	22 24	10 49	0n 7	25 36	2 4	21 40	0 10	18 17	0 6	8 15	1 21	22 39	0 54	13 51	0 24	12 40	1 47	22 51	14 41	10 14	9 42	9 15	15 52	6 56
M29	22 31	16 6	1 14	25 32	2 3	21 53	0 8	18 29	0 6	8 14	1 21	22 39	0 54	13 51	0 24	12 40	1 47	22 50	14 40	10 14	9 41	9 12	15 52	6 56
T 30	22 38	20 49	2 18	25 27	2 1	22 6	0 5	18 40	0 5	8 13	1 21	22 39	0 54	13 50	0 24	12 41	1 47	22 50	14 40	10 13	9 40	9 8	15 52	6 57
W31	22n44	24n38	3n17	25n20	1n58	22n19	0s 3	18n51	0s 4	8s12	1n20	22s39	0n54	13s49	0n24	12n41	1s47	22n49	14n40	10n11	9n38	9s 5	15s52	6n57

Julian Day Number = 2167878.5, Delta T = 12m35s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'36, Lahiri = 13°01'37 Julian Calendar 1 May 1223 == Greg. Calendar 8 May 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

JUNE 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 3 37	16♊21'30	19♊28	8♋12	13♊29	24♉59	24°R14	29°R27	7°R53	8♉29	6♍14	26°R 9	24♈44	14♓51	14°R10	T 1
F 2	17 7 34	17°18'45	3♋11	9°43	14°43	25°41	24♎11	29♐23	7♏52	8°31	6°15	26♈ 1	24°41	14°58	14♉ 7	F 2
S 3	17 11 30	18°15'58	17° 8	11°12	15°56	26°23	24° 9	29°19	7°50	8°33	6°15	25°53	24°38	15° 5	14° 4	S 3
S 4	17 15 27	19°13'12	1♌15	12°39	17°10	27° 5	24° 7	29°14	7°48	8°35	6°16	25°45	24°35	15°11	14° 0	S 4
M 5	17 19 23	20°10'24	15°28	14° 3	18°24	27°47	24° 6	29°10	7°47	8°37	6°17	25°39	24°31	15°18	13°57	M 5
T 6	17 23 20	21° 7'36	29°43	15°24	19°37	28°29	24° 4	29° 6	7°45	8°38	6°18	25°35	24°28	15°25	13°54	T 6
W 7	17 27 16	22° 4'47	13♍56	16°43	20°51	29°11	24° 3	29° 1	7°43	8°40	6°19	25°33	24°25	15°31	13°51	W 7
T 8	17 31 13	23° 1'58	28° 6	17°59	22° 5	29°53	24° 1	28°57	7°42	8°42	6°19	25°D33	24°22	15°38	13°48	T 8
F 9	17 35 9	23°59'08	12♎10	19°12	23°19	0♊35	24° 0	28°53	7°40	8°44	6°20	25°34	24°19	15°45	13°44	F 9
S 10	17 39 6	24°56'18	26° 9	20°22	24°32	1°17	23°59	28°48	7°39	8°45	6°21	25°R34	24°15	15°51	13°41	S 10
S 11	17 43 3	25°53'27	10♏ 0	21°30	25°46	1°58	23°59	28°44	7°38	8°47	6°22	25°33	24°12	15°58	13°37	S 11
M12	17 46 59	26°50'36	23°44	22°34	27° 0	2°40	23°58	28°39	7°36	8°49	6°23	25°30	24° 9	16° 5	13°34	M12
T 13	17 50 56	27°47'45	7♐17	23°35	28°13	3°21	23°58	28°35	7°35	8°50	6°24	25°25	24° 6	16°12	13°31	T 13
W14	17 54 52	28°44'54	20°39	24°34	29°27	4° 3	23°D58	28°31	7°34	8°52	6°25	25°17	24° 3	16°18	13°27	W14
T 15	17 58 49	29°42'03	3♑48	25°29	0♋41	4°44	23°58	28°26	7°32	8°53	6°26	25° 7	24° 0	16°25	13°24	T 15
F 16	18 2 45	0♋39'11	16°41	26°20	1°55	5°26	23°58	28°22	7°31	8°55	6°27	24°56	23°56	16°32	13°20	F 16
S 17	18 6 42	1°36'20	29°19	27° 9	3° 8	6° 7	23°58	28°17	7°30	8°57	6°28	24°45	23°53	16°38	13°17	S 17
S 18	18 10 38	2°33'29	11♒42	27°53	4°22	6°48	23°59	28°13	7°29	8°58	6°30	24°35	23°50	16°45	13°13	S 18
M19	18 14 35	3°30'38	23°52	28°34	5°36	7°30	24° 0	28° 9	7°28	9° 0	6°31	24°26	23°47	16°52	13°10	M19
T 20	18 18 32	4°27'47	5♓51	29°11	6°50	8°11	24° 1	28° 4	7°27	9° 1	6°32	24°21	23°44	16°58	13° 6	T 20
W21	18 22 28	5°24'57	17°43	29°44	8° 3	8°52	24° 2	28° 0	7°26	9° 2	6°33	24°17	23°41	17° 5	13° 3	W21
T 22	18 26 25	6°22'07	29°32	0♌13	9°17	9°33	24° 3	27°55	7°25	9° 4	6°34	24°16	23°37	17°12	12°59	T 22
F 23	18 30 21	7°19'18	11♈24	0°38	10°31	10°14	24° 4	27°51	7°24	9° 5	6°36	24°D15	23°34	17°18	12°55	F 23
S 24	18 34 18	8°16'29	23°25	0°59	11°45	10°55	24° 6	27°47	7°23	9° 7	6°37	24°R16	23°31	17°25	12°52	S 24
S 25	18 38 14	9°13'41	5♉38	1°14	12°59	11°36	24° 8	27°43	7°23	9° 8	6°38	24°15	23°28	17°32	12°48	S 25
M26	18 42 11	10°10'54	18°10	1°26	14°12	12°17	24°10	27°38	7°22	9° 9	6°40	24°13	23°25	17°38	12°45	M26
T 27	18 46 7	11° 8'07	1♊ 4	1°32	15°26	12°57	24°12	27°34	7°21	9°10	6°41	24° 9	23°21	17°45	12°41	T 27
W28	18 50 4	12° 5'20	14°23	1°R34	16°40	13°38	24°14	27°30	7°21	9°12	6°42	24° 2	23°18	17°52	12°37	W28
T 29	18 54 1	13° 2'35	28° 5	1°31	17°54	14°19	24°17	27°26	7°20	9°13	6°44	23°52	23°15	17°58	12°34	T 29
F 30	18 57 57	13♋59'50	12♋10	1♌23	19♋ 8	15♊ 0	24♎19	27♐22	7♏20	9♉14	6♍45	23♈41	23♈12	18♓ 5	12♉30	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n50	27n13	4n 6	25n12	1n55	22n31	0s 0	19n 2	0s 4	8s12	1n20	22s39	0n54	13s49	0n24	12n42	1s47	22n49	14n39	10n 8	9n37	9s 2	15s52	6n57	T 1
F 2	22 56	28 12	4 42	25 1	1 51	22 42	0n 2	19 13	0 3	8 11	1 20	22 39	0 54	13 48	0 24	12 43	1 47	22 48	14 39	10 6	9 36	8 59	15 52	6 58	F 2
S 3	23 1	27 26	5 2	24 49	1 46	22 52	0 4	19 23	0 2	8 11	1 19	22 39	0 53	13 48	0 24	12 43	1 47	22 47	14 38	10 2	9 35	8 56	15 52	6 58	S 3
S 4	23 6	24 55	5 5	24 36	1 40	23 2	0 7	19 34	0 2	8 10	1 19	22 39	0 53	13 47	0 24	12 44	1 47	22 47	14 38	10 0	9 34	8 52	15 52	6 58	S 4
M 5	23 11	20 51	4 48	24 22	1 34	23 11	0 9	19 44	0 1	8 10	1 19	22 39	0 53	13 47	0 24	12 44	1 47	22 46	14 38	9 57	9 33	8 49	15 52	6 59	M 5
T 6	23 15	15 34	4 14	24 6	1 28	23 19	0 11	19 54	0 0	8 9	1 19	22 39	0 53	13 46	0 24	12 45	1 48	22 45	14 37	9 56	9 31	8 46	15 52	6 59	T 6
W 7	23 18	9 29	3 24	23 50	1 21	23 27	0 14	20 4	0n 0	8 9	1 18	22 39	0 53	13 46	0 24	12 45	1 48	22 45	14 37	9 55	9 30	8 43	15 52	6 59	W 7
T 8	23 21	2 55	2 22	23 32	1 13	23 34	0 16	20 14	0 1	8 9	1 18	22 39	0 53	13 45	0 24	12 46	1 48	22 44	14 37	9 55	9 29	8 39	15 52	6 59	T 8
F 9	23 24	3s44	1 11	23 13	1 4	23 41	0 18	20 23	0 2	8 9	1 18	22 39	0 53	13 45	0 24	12 46	1 48	22 43	14 36	9 55	9 28	8 36	15 52	7 0	F 9
S 10	23 27	10 11	0s 3	22 54	0 55	23 46	0 21	20 32	0 2	8 9	1 17	22 39	0 53	13 44	0 24	12 47	1 48	22 43	14 36	9 56	9 27	8 33	15 53	7 0	S 10
S 11	23 29	16 5	1 16	22 34	0 46	23 52	0 23	20 42	0 3	8 9	1 17	22 39	0 53	13 44	0 24	12 47	1 48	22 42	14 35	9 55	9 26	8 30	15 53	7 0	S 11
M12	23 30	21 7	2 24	22 14	0 36	23 56	0 25	20 51	0 4	8 9	1 17	22 39	0 53	13 44	0 24	12 48	1 48	22 41	14 35	9 54	9 24	8 26	15 53	7 0	M12
T 13	23 31	24 58	3 23	21 53	0 25	23 59	0 28	20 59	0 4	8 9	1 17	22 39	0 53	13 43	0 24	12 48	1 48	22 41	14 35	9 52	9 23	8 23	15 53	7 0	T 13
W14	23 32	27 22	4 10	21 32	0 14	24 2	0 30	21 8	0 5	8 9	1 16	22 39	0 53	13 43	0 24	12 49	1 48	22 40	14 34	9 49	9 22	8 20	15 53	7 1	W14
T 15	23 32	28 11	4 42	21 11	0 3	24 4	0 32	21 16	0 6	8 9	1 16	22 39	0 53	13 42	0 24	12 49	1 48	22 39	14 34	9 46	9 21	8 17	15 53	7 1	T 15
F 16	23 32	27 27	5 0	20 49	0s 9	24 6	0 34	21 24	0 6	8 10	1 16	22 39	0 52	13 42	0 24	12 50	1 48	22 38	14 34	9 42	9 20	8 13	15 53	7 1	F 16
S 17	23 32	25 18	5 2	20 28	0 22	24 7	0 36	21 32	0 7	8 10	1 16	22 39	0 52	13 42	0 24	12 50	1 48	22 38	14 33	9 38	9 18	8 10	15 54	7 1	S 17
S 18	23 31	21 59	4 49	20 6	0 35	24 7	0 39	21 40	0 8	8 11	1 15	22 40	0 52	13 41	0 24	12 50	1 48	22 37	14 33	9 34	9 17	8 7	15 54	7 1	S 18
M19	23 30	17 46	4 24	19 45	0 48	24 6	0 41	21 47	0 8	8 11	1 15	22 40	0 52	13 41	0 24	12 51	1 48	22 36	14 33	9 31	9 16	8 4	15 54	7 1	M19
T 20	23 28	12 56	3 48	19 24	1 2	24 5	0 43	21 55	0 9	8 12	1 15	22 40	0 52	13 41	0 24	12 51	1 48	22 35	14 32	9 29	9 15	8 0	15 54	7 1	T 20
W21	23 26	7 39	3 1	19 4	1 15	24 2	0 45	22 2	0 10	8 12	1 14	22 40	0 52	13 40	0 24	12 52	1 48	22 34	14 32	9 27	9 14	7 57	15 54	7 2	W21
T 22	23 23	2 8	2 7	18 44	1 30	24 0	0 47	22 9	0 10	8 13	1 14	22 40	0 52	13 40	0 24	12 52	1 48	22 34	14 32	9 27	9 13	7 54	15 55	7 2	T 22
F 23	23 20	3n29	1 8	18 25	1 44	23 56	0 49	22 16	0 11	8 14	1 14	22 40	0 52	13 40	0 24	12 53	1 48	22 33	14 31	9 27	9 11	7 50	15 55	7 2	F 23
S 24	23 17	9 4	0 5	18 6	1 58	23 52	0 51	22 22	0 12	8 15	1 14	22 40	0 52	13 40	0 24	12 53	1 48	22 32	14 31	9 27	9 10	7 47	15 55	7 2	S 24
S 25	23 13	14 24	1n 0	17 48	2 13	23 47	0 53	22 29	0 12	8 16	1 13	22 40	0 52	13 40	0 24	12 53	1 48	22 31	14 31	9 27	9 9	7 44	15 55	7 2	S 25
M26	23 9	19 17	2 3	17 32	2 28	23 41	0 55	22 35	0 13	8 17	1 13	22 40	0 52	13 39	0 24	12 54	1 48	22 31	14 30	9 26	9 8	7 41	15 56	7 2	M26
T 27	23 4	23 26	3 2	17 16	2 42	23 35	0 56	22 41	0 14	8 18	1 13	22 40	0 51	13 39	0 24	12 54	1 49	22 30	14 30	9 24	9 7	7 37	15 56	7 2	T 27
W28	22 59	26 28	3 52	17 2	2 57	23 28	0 58	22 46	0 14	8 19	1 12	22 40	0 51	13 39	0 24	12 54	1 49	22 29	14 30	9 22	9 6	7 34	15 56	7 2	W28
T 29	22 54	28 3	4 31	16 48	3 11	23 20	1 0	22 52	0 15	8 20	1 12	22 40	0 51	13 39	0 24	12 55	1 49	22 28	14 29	9 18	9 4	7 31	15 56	7 2	T 29
F 30	22n48	27n52	4n55	16n37	3s25	23n11	1n 2	22n57	0n16	8s21	1n12	22s40	0n51	13s39	0n24	12n55	1s49	22n27	14n29	9n14	9n 3	7s27	15s57	7n 2	F 30

Julian Day Number = 2167909.5, Delta T = 12m35s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'40, Lahiri = 13°01'41 Julian Calendar 1 June 1223 == Greg. Calendar 8 June 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

JULY 1223 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 1 54	14♋57'05	26♋33	1°R10	20♋22	15♊40	24♎22	27°R17	7°R19	9♉15	6♍47	23°R30	23♈ 9	18♓12	12°R27	S 1
S 2	19 5 50	15°54'21	11♌ 6	0♌52	21°36	16°21	24°25	27♐13	7♏19	9°16	6°48	23♈19	23° 6	18°18	12♑23	S 2
M 3	19 9 47	16°51'37	25°44	0°30	22°49	17° 1	24°29	27° 9	7°18	9°18	6°50	23°11	23° 2	18°25	12°19	M 3
T 4	19 13 43	17°48'53	10♍19	0° 4	24° 3	17°41	24°32	27° 5	7°18	9°19	6°51	23° 5	22°59	18°32	12°16	T 4
W 5	19 17 40	18°46'10	24°45	29♋33	25°17	18°22	24°35	27° 1	7°18	9°20	6°53	23° 1	22°56	18°38	12°12	W 5
T 6	19 21 37	19°43'27	9♎ 0	28°59	26°31	19° 2	24°39	26°57	7°18	9°21	6°54	23° 0	22°53	18°45	12° 9	T 6
F 7	19 25 33	20°40'45	23° 2	28°21	27°45	19°42	24°43	26°54	7°17	9°22	6°56	23° 0	22°50	18°52	12° 5	F 7
S 8	19 29 30	21°38'03	6♏50	27°41	28°59	20°23	24°47	26°50	7°17	9°23	6°58	23° 0	22°47	18°58	12° 2	S 8
S 9	19 33 26	22°35'21	20°26	26°59	0♌13	21° 3	24°51	26°46	7°17	9°24	6°59	22°58	22°43	19° 5	11°58	S 9
M10	19 37 23	23°32'40	3♐49	26°16	1°27	21°43	24°56	26°42	7°D17	9°25	7° 1	22°54	22°40	19°12	11°55	M10
T 11	19 41 19	24°30'00	17° 0	25°31	2°41	22°23	25° 0	26°39	7°17	9°25	7° 3	22°47	22°37	19°18	11°51	T 11
W12	19 45 16	25°27'20	0♑ 1	24°47	3°55	23° 3	25° 5	26°35	7°17	9°26	7° 4	22°38	22°34	19°25	11°48	W12
T 13	19 49 12	26°24'41	12°49	24° 4	5° 9	23°43	25°10	26°32	7°18	9°27	7° 6	22°26	22°31	19°32	11°44	T 13
F 14	19 53 9	27°22'03	25°26	23°23	6°23	24°22	25°15	26°28	7°18	9°28	7° 8	22°13	22°27	19°38	11°41	F 14
S 15	19 57 6	28°19'26	7♒51	22°44	7°37	25° 2	25°20	26°25	7°18	9°29	7° 9	22° 0	22°24	19°45	11°37	S 15
S 16	20 1 2	29°16'50	20° 4	22° 9	8°51	25°42	25°25	26°21	7°18	9°29	7°11	21°48	22°21	19°52	11°34	S 16
M17	20 4 59	0♌14'15	2♓ 7	21°38	10° 4	26°22	25°30	26°18	7°19	9°30	7°13	21°38	22°18	19°58	11°31	M17
T 18	20 8 55	1°11'40	14° 2	21°11	11°18	27° 1	25°36	26°15	7°19	9°31	7°15	21°30	22°15	20° 5	11°27	T 18
W19	20 12 52	2° 9'08	25°51	20°49	12°32	27°41	25°42	26°12	7°20	9°31	7°17	21°25	22°12	20°12	11°24	W19
T 20	20 16 48	3° 6'36	7♈39	20°34	13°46	28°20	25°48	26° 9	7°20	9°32	7°19	21°23	22° 8	20°18	11°21	T 20
F 21	20 20 45	4° 4'06	19°30	20°24	15° 0	29° 0	25°54	26° 6	7°21	9°32	7°20	21°D22	22° 5	20°25	11°18	F 21
S 22	20 24 41	5° 1'37	1♉29	20°D21	16°14	29°39	26° 0	26° 3	7°21	9°33	7°22	21°R22	22° 2	20°32	11°15	S 22
S 23	20 28 38	5°59'09	13°41	20°25	17°28	0♋19	26° 6	26° 0	7°22	9°33	7°24	21°22	21°59	20°38	11°11	S 23
M24	20 32 35	6°56'43	26°13	20°35	18°42	0°58	26°13	25°57	7°23	9°34	7°26	21°21	21°56	20°45	11° 8	M24
T 25	20 36 31	7°54'19	9♊ 8	20°53	19°56	1°37	26°19	25°54	7°23	9°34	7°28	21°17	21°53	20°52	11° 5	T 25
W26	20 40 28	8°51'56	22°29	21°17	21°10	2°16	26°26	25°52	7°24	9°35	7°30	21°11	21°49	20°58	11° 2	W26
T 27	20 44 24	9°49'35	6♋19	21°49	22°24	2°55	26°33	25°49	7°25	9°35	7°32	21° 3	21°46	21° 5	10°59	T 27
F 28	20 48 21	10°47'15	20°36	22°28	23°38	3°35	26°40	25°47	7°26	9°35	7°34	20°53	21°43	21°12	10°56	F 28
S 29	20 52 17	11°44'57	5♌15	23°13	24°53	4°14	26°47	25°44	7°27	9°36	7°36	20°43	21°40	21°18	10°54	S 29
S 30	20 56 14	12°42'40	20° 8	24° 6	26° 7	4°53	26°54	25°42	7°28	9°36	7°38	20°33	21°37	21°25	10°51	S 30
M31	21 0 10	13♌40'24	5♍ 8	25♋ 5	27♌21	5♋31	27♎ 2	25♐40	7♏29	9♉36	7♍40	20♈25	21♈33	21♓32	10♑48	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n42	25n51	5n 0	16n27	3s38	23n 2	1n 3	23n 2	0n16	8s23	1n12	22s40	0n51	13s39	0n24	12n55	1s49	22n26	14n29	9n10	9n 2	7s24	15s57	7n 2	S 1
S 2	22 35	22 6	4 47	16 18	3 51	22 52	1 5	23 7	0 17	8 24	1 11	22 40	0 51	13 38	0 24	12 56	1 49	22 26	14 28	9 6	9 1	7 21	15 57	7 2	S 2
M 3	22 28	16 59	4 14	16 11	4 2	22 42	1 6	23 12	0 18	8 25	1 11	22 40	0 51	13 38	0 24	12 56	1 49	22 25	14 28	9 3	9 0	7 18	15 58	7 2	M 3
T 4	22 21	10 54	3 25	16 6	4 13	22 30	1 8	23 17	0 18	8 27	1 11	22 40	0 51	13 38	0 24	12 56	1 49	22 24	14 28	9 0	8 58	7 14	15 58	7 2	T 4
W 5	22 13	4 17	2 23	16 2	4 23	22 19	1 9	23 21	0 19	8 28	1 11	22 40	0 51	13 38	0 23	12 57	1 49	22 23	14 28	8 59	8 57	7 11	15 58	7 2	W 5
T 6	22 5	2s28	1 13	16 1	4 32	22 6	1 11	23 25	0 20	8 30	1 10	22 40	0 50	13 38	0 23	12 57	1 49	22 22	14 27	8 59	8 56	7 8	15 59	7 2	T 6
F 7	21 57	9 0	0s 0	16 1	4 39	21 53	1 12	23 29	0 21	8 32	1 10	22 40	0 50	13 38	0 23	12 57	1 49	22 21	14 27	8 59	8 55	7 4	15 59	7 2	F 7
S 8	21 48	15 0	1 12	16 3	4 45	21 39	1 14	23 33	0 21	8 33	1 10	22 40	0 50	13 38	0 23	12 57	1 49	22 20	14 27	8 59	8 54	7 1	15 59	7 2	S 8
S 9	21 38	20 10	2 19	16 7	4 50	21 25	1 15	23 36	0 22	8 35	1 9	22 40	0 50	13 38	0 23	12 58	1 49	22 20	14 27	8 58	8 53	6 58	16 0	7 2	S 9
M10	21 29	24 14	3 18	16 12	4 52	21 9	1 16	23 39	0 23	8 37	1 9	22 40	0 50	13 38	0 23	12 58	1 49	22 19	14 26	8 56	8 51	6 54	16 0	7 2	M10
T 11	21 19	26 57	4 4	16 19	4 53	20 54	1 17	23 43	0 23	8 39	1 9	22 40	0 50	13 38	0 23	12 58	1 49	22 18	14 26	8 54	8 50	6 51	16 1	7 2	T 11
W12	21 8	28 10	4 37	16 28	4 52	20 38	1 18	23 45	0 24	8 41	1 9	22 40	0 50	13 38	0 23	12 58	1 49	22 17	14 26	8 50	8 49	6 48	16 1	7 2	W12
T 13	20 58	27 50	4 56	16 38	4 50	20 21	1 19	23 48	0 25	8 43	1 8	22 40	0 50	13 38	0 23	12 58	1 49	22 16	14 26	8 46	8 48	6 45	16 1	7 1	T 13
F 14	20 47	26 3	5 0	16 49	4 45	20 3	1 20	23 51	0 25	8 45	1 8	22 40	0 49	13 38	0 23	12 59	1 49	22 15	14 25	8 41	8 47	6 41	16 2	7 1	F 14
S 15	20 35	23 2	4 49	17 1	4 39	19 45	1 21	23 53	0 26	8 47	1 8	22 40	0 49	13 39	0 23	12 59	1 50	22 14	14 25	8 36	8 45	6 38	16 2	7 1	S 15
S 16	20 23	19 2	4 25	17 15	4 32	19 27	1 22	23 55	0 27	8 49	1 8	22 40	0 49	13 39	0 23	12 59	1 50	22 13	14 25	8 32	8 44	6 35	16 3	7 1	S 16
M17	20 11	14 20	3 49	17 29	4 22	19 8	1 23	23 57	0 27	8 52	1 7	22 40	0 49	13 39	0 23	12 59	1 50	22 13	14 25	8 28	8 43	6 31	16 3	7 1	M17
T 18	19 59	9 8	3 4	17 43	4 12	18 48	1 24	23 59	0 28	8 54	1 7	22 40	0 49	13 39	0 23	12 59	1 50	22 12	14 25	8 25	8 42	6 28	16 4	7 1	T 18
W19	19 46	3 39	2 11	17 58	4 0	18 28	1 24	24 0	0 29	8 56	1 7	22 41	0 49	13 39	0 23	12 59	1 50	22 11	14 24	8 23	8 41	6 25	16 4	7 1	W19
T 20	19 33	1n57	1 12	18 14	3 46	18 7	1 25	24 1	0 29	8 58	1 7	22 41	0 49	13 39	0 23	13 0	1 50	22 10	14 24	8 22	8 39	6 21	16 4	7 0	T 20
F 21	19 19	7 31	0 10	18 29	3 32	17 46	1 25	24 2	0 30	9 1	1 6	22 41	0 48	13 40	0 23	13 0	1 50	22 9	14 24	8 22	8 38	6 18	16 5	7 0	F 21
S 22	19 6	12 52	0n53	18 44	3 17	17 24	1 26	24 3	0 31	9 3	1 6	22 41	0 48	13 40	0 23	13 0	1 50	22 8	14 24	8 22	8 37	6 15	16 5	7 0	S 22
S 23	18 51	17 51	1 56	18 59	3 2	17 2	1 26	24 4	0 32	9 6	1 6	22 41	0 48	13 40	0 23	13 0	1 50	22 7	14 24	8 22	8 36	6 11	16 6	7 0	S 23
M24	18 37	22 12	2 54	19 14	2 46	16 39	1 27	24 5	0 32	9 8	1 6	22 41	0 48	13 40	0 23	13 0	1 50	22 6	14 23	8 22	8 35	6 8	16 6	6 59	M24
T 25	18 22	25 37	3 45	19 27	2 29	16 16	1 27	24 5	0 33	9 11	1 5	22 41	0 48	13 41	0 23	13 0	1 50	22 5	14 23	8 20	8 34	6 5	16 7	6 59	T 25
W26	18 7	27 45	4 26	19 40	2 13	15 53	1 27	24 5	0 34	9 14	1 5	22 41	0 48	13 41	0 23	13 0	1 50	22 5	14 23	8 18	8 32	6 1	16 7	6 59	W26
T 27	17 52	28 16	4 53	19 52	1 56	15 29	1 27	24 5	0 34	9 16	1 5	22 41	0 48	13 41	0 23	13 0	1 50	22 4	14 23	8 15	8 31	5 58	16 8	6 59	T 27
F 28	17 36	26 56	5 2	20 2	1 39	15 4	1 27	24 5	0 35	9 19	1 5	22 41	0 48	13 42	0 23	13 0	1 50	22 3	14 23	8 11	8 30	5 55	16 8	6 59	F 28
S 29	17 20	23 46	4 53	20 11	1 23	14 40	1 27	24 4	0 36	9 22	1 4	22 41	0 47	13 42	0 23	13 0	1 50	22 2	14 23	8 7	8 29	5 51	16 9	6 58	S 29
S 30	17 4	19 0	4 24	20 18	1 6	14 14	1 27	24 3	0 36	9 25	1 4	22 41	0 47	13 42	0 23	13 0	1 50	22 1	14 23	8 4	8 28	5 48	16 9	6 58	S 30
M31	16n48	13n 1	3n36	20n23	0s50	13n49	1n27	24n 3	0n37	9s28	1n 4	22s41	0n47	13s43	0n23	13n 0	1s50	22n 0	14n22	8n 1	8n26	5s45	16s10	6n58	M31

Julian Day Number = 2167939.5, Delta T = 12m35s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'45, Lahiri = 13°01'45 Julian Calendar 1 July 1223 == Greg. Calendar 8 July 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

AUGUST 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 7	14♌38'09	20♍ 5	26♋10	28♌35	6♋10	27♎ 9	25°R38	7♏30	9♉36	7♍42	20°R20	21♈30	21♓38	10°R45	T 1
W 2	21 8 4	15°35'56	4♎50	27°22	29°49	6°49	27°17	25♐35	7°31	9°36	7°44	20♈17	21°27	21°45	10♑43	W 2
T 3	21 12 0	16°33'43	19°19	28°40	1♍ 3	7°28	27°25	25°34	7°33	9°37	7°46	20°D16	21°24	21°52	10°40	T 3
F 4	21 15 57	17°31'32	3♏29	0♌ 3	2°17	8° 6	27°32	25°32	7°34	9°37	7°48	20°16	21°21	21°58	10°37	F 4
S 5	21 19 53	18°29'23	17°18	1°31	3°31	8°45	27°40	25°30	7°35	9°37	7°50	20°R16	21°18	22° 5	10°35	S 5
S 6	21 23 50	19°27'14	0♐48	3° 4	4°45	9°24	27°49	25°28	7°37	9°R37	7°52	20°16	21°14	22°12	10°32	S 6
M 7	21 27 46	20°25'07	14° 1	4°41	5°59	10° 2	27°57	25°26	7°38	9°37	7°54	20°13	21°11	22°18	10°30	M 7
T 8	21 31 43	21°23'01	26°58	6°22	7°13	10°41	28° 5	25°25	7°40	9°37	7°56	20° 9	21° 8	22°25	10°28	T 8
W 9	21 35 39	22°20'56	9♑41	8° 7	8°27	11°19	28°14	25°24	7°41	9°37	7°58	20° 1	21° 5	22°32	10°25	W 9
T 10	21 39 36	23°18'53	22°12	9°55	9°41	11°57	28°22	25°22	7°43	9°37	8° 1	19°52	21° 2	22°38	10°23	T 10
F 11	21 43 33	24°16'52	4♒33	11°45	10°55	12°36	28°31	25°21	7°44	9°36	8° 3	19°42	20°58	22°45	10°21	F 11
S 12	21 47 29	25°14'52	16°44	13°37	12° 9	13°14	28°40	25°20	7°46	9°36	8° 5	19°32	20°55	22°52	10°19	S 12
S 13	21 51 26	26°12'53	28°47	15°30	13°23	13°52	28°49	25°19	7°48	9°36	8° 7	19°23	20°52	22°58	10°17	S 13
M14	21 55 22	27°10'56	10♓43	17°25	14°37	14°30	28°58	25°18	7°49	9°36	8° 9	19°15	20°49	23° 5	10°15	M14
T 15	21 59 19	28° 9'01	22°34	19°21	15°51	15° 8	29° 7	25°17	7°51	9°36	8°11	19° 9	20°46	23°12	10°13	T 15
W16	22 3 15	29° 7'08	4♈21	21°18	17° 5	15°46	29°17	25°16	7°53	9°35	8°13	19° 6	20°43	23°18	10°11	W16
T 17	22 7 12	0♍ 5'16	16° 9	23°15	18°19	16°24	29°26	25°15	7°55	9°35	8°15	19°D 4	20°39	23°25	10°10	T 17
F 18	22 11 8	1° 3'27	28° 0	25°11	19°33	17° 2	29°36	25°15	7°57	9°35	8°18	19° 5	20°36	23°32	10° 8	F 18
S 19	22 15 5	2° 1'39	9♉59	27° 8	20°47	17°40	29°45	25°14	7°59	9°34	8°20	19° 6	20°33	23°38	10° 6	S 19
S 20	22 19 2	2°59'54	22°10	29° 4	22° 1	18°17	29°55	25°14	8° 1	9°34	8°22	19° 7	20°30	23°45	10° 5	S 20
M21	22 22 58	3°58'11	4♊39	1♍ 0	23°15	18°55	0♏ 5	25°14	8° 3	9°33	8°24	19°R 8	20°27	23°52	10° 3	M21
T 22	22 26 55	4°56'30	17°31	2°55	24°29	19°33	0°15	25°13	8° 5	9°33	8°26	19° 7	20°24	23°58	10° 2	T 22
W23	22 30 51	5°54'51	0♋48	4°49	25°43	20°10	0°25	25°13	8° 7	9°32	8°28	19° 4	20°20	24° 5	10° 0	W23
T 24	22 34 48	6°53'14	14°34	6°42	26°57	20°48	0°35	25°D13	8° 9	9°32	8°31	19° 0	20°17	24°12	9°59	T 24
F 25	22 38 44	7°51'40	28°49	8°35	28°11	21°25	0°45	25°13	8°12	9°31	8°33	18°55	20°14	24°18	9°58	F 25
S 26	22 42 41	8°50'07	13♌30	10°26	29°25	22° 3	0°55	25°14	8°14	9°30	8°35	18°48	20°11	24°25	9°57	S 26
S 27	22 46 37	9°48'37	28°30	12°17	0♎39	22°40	1° 5	25°14	8°16	9°30	8°37	18°43	20° 8	24°32	9°56	S 27
M28	22 50 34	10°47'08	13♍41	14° 6	1°53	23°17	1°16	25°14	8°19	9°29	8°39	18°38	20° 4	24°38	9°55	M28
T 29	22 54 31	11°45'42	28°53	15°55	3° 7	23°54	1°27	25°15	8°21	9°28	8°41	18°35	20° 1	24°45	9°54	T 29
W30	22 58 27	12°44'17	13♎56	17°42	4°21	24°31	1°37	25°15	8°24	9°28	8°44	18°D33	19°58	24°52	9°53	W30
T 31	23 2 24	13♍42'54	28♎42	19♍28	5♎35	25♋ 8	1♏48	25♐16	8♏26	9♉27	8♍46	18♈34	19♈55	24♓58	9♑52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n31	6n18	2n33	20n26	0s35	13n23	1n27	24n 2	0n38	9s31	1n 4	22s41	0n47	13s43	0n23	13n 0	1s51	21n59	14n22	7n59	8n25	5s41	16s10	6n57
W 2	16 14	0s41	1 21	20 27	0 20	12 56	1 27	24 0	0 38	9 34	1 4	22 41	0 47	13 43	0 23	13 0	1 51	21 58	14 22	7 57	8 24	5 38	16 11	6 57
T 3	15 56	7 31	0 5	20 26	0 5	12 30	1 27	23 59	0 39	9 37	1 3	22 41	0 47	13 44	0 23	13 0	1 51	21 57	14 22	7 57	8 23	5 34	16 11	6 57
F 4	15 39	13 50	1s10	20 22	0n 8	12 3	1 26	23 57	0 40	9 40	1 3	22 41	0 47	13 44	0 23	13 0	1 51	21 57	14 22	7 57	8 22	5 31	16 12	6 56
S 5	15 21	19 18	2 19	20 15	0 21	11 36	1 26	23 56	0 41	9 43	1 3	22 42	0 46	13 45	0 23	13 0	1 51	21 56	14 22	7 57	8 20	5 28	16 12	6 56
S 6	15 3	23 39	3 19	20 6	0 33	11 8	1 25	23 54	0 41	9 46	1 3	22 42	0 46	13 45	0 23	13 0	1 51	21 55	14 22	7 57	8 19	5 24	16 13	6 56
M 7	14 45	26 40	4 7	19 54	0 45	10 40	1 25	23 51	0 42	9 49	1 2	22 42	0 46	13 46	0 23	13 0	1 51	21 54	14 22	7 56	8 18	5 21	16 13	6 55
T 8	14 26	28 11	4 41	19 39	0 55	10 12	1 24	23 49	0 43	9 52	1 2	22 42	0 46	13 46	0 22	13 0	1 51	21 53	14 22	7 54	8 17	5 18	16 14	6 55
W 9	14 7	28 10	5 0	19 21	1 4	9 43	1 23	23 47	0 43	9 56	1 2	22 42	0 46	13 47	0 22	13 0	1 51	21 52	14 22	7 52	8 16	5 14	16 14	6 55
T 10	13 48	26 43	5 5	19 0	1 13	9 15	1 23	23 44	0 44	9 59	1 2	22 42	0 46	13 47	0 22	13 0	1 51	21 51	14 22	7 48	8 14	5 11	16 15	6 54
F 11	13 29	23 58	4 55	18 37	1 20	8 46	1 22	23 41	0 45	10 2	1 2	22 42	0 45	13 48	0 22	13 0	1 51	21 50	14 21	7 44	8 13	5 8	16 15	6 54
S 12	13 10	20 12	4 32	18 12	1 27	8 17	1 21	23 38	0 45	10 6	1 1	22 42	0 45	13 48	0 22	13 0	1 51	21 50	14 21	7 41	8 12	5 4	16 16	6 54
S 13	12 50	15 38	3 57	17 43	1 32	7 47	1 20	23 35	0 46	10 9	1 1	22 42	0 45	13 49	0 22	12 59	1 51	21 49	14 21	7 37	8 11	5 1	16 16	6 53
M14	12 30	10 32	3 11	17 13	1 37	7 18	1 19	23 32	0 47	10 12	1 1	22 42	0 45	13 50	0 22	12 59	1 51	21 48	14 21	7 34	8 10	4 58	16 17	6 53
T 15	12 10	5 4	2 18	16 40	1 41	6 48	1 18	23 28	0 48	10 16	1 1	22 43	0 45	13 50	0 22	12 59	1 51	21 47	14 21	7 32	8 8	4 54	16 17	6 53
W16	11 50	0n32	1 19	16 6	1 44	6 18	1 16	23 24	0 48	10 19	1 1	22 43	0 45	13 51	0 22	12 59	1 51	21 46	14 21	7 31	8 7	4 51	16 18	6 52
T 17	11 29	6 8	0 16	15 29	1 46	5 48	1 15	23 20	0 49	10 23	1 0	22 43	0 45	13 51	0 22	12 59	1 52	21 45	14 21	7 30	8 6	4 47	16 19	6 52
F 18	11 9	11 33	0n48	14 51	1 47	5 17	1 14	23 16	0 50	10 26	1 0	22 43	0 44	13 52	0 22	12 59	1 52	21 44	14 21	7 30	8 5	4 44	16 19	6 51
S 19	10 48	16 37	1 51	14 12	1 47	4 47	1 13	23 12	0 50	10 30	1 0	22 43	0 44	13 53	0 22	12 59	1 52	21 44	14 21	7 31	8 4	4 41	16 20	6 51
S 20	10 27	21 7	2 49	13 31	1 47	4 16	1 11	23 8	0 51	10 33	1 0	22 43	0 44	13 53	0 22	12 58	1 52	21 43	14 21	7 31	8 2	4 37	16 20	6 50
M21	10 6	24 47	3 42	12 50	1 47	3 45	1 10	23 3	0 52	10 37	1 0	22 43	0 44	13 54	0 22	12 58	1 52	21 42	14 21	7 31	8 1	4 34	16 21	6 50
T 22	9 44	27 20	4 24	12 7	1 45	3 15	1 8	22 59	0 52	10 41	0 59	22 44	0 44	13 55	0 22	12 58	1 52	21 41	14 21	7 31	8 0	4 31	16 21	6 50
W23	9 23	28 27	4 55	11 23	1 43	2 44	1 7	22 54	0 53	10 44	0 59	22 44	0 44	13 56	0 22	12 58	1 52	21 40	14 21	7 30	7 59	4 27	16 22	6 49
T 24	9 1	27 52	5 9	10 39	1 41	2 13	1 5	22 49	0 54	10 48	0 59	22 44	0 44	13 56	0 22	12 57	1 52	21 40	14 21	7 28	7 58	4 24	16 22	6 49
F 25	8 39	25 28	5 5	9 54	1 38	1 41	1 3	22 44	0 55	10 52	0 59	22 44	0 43	13 57	0 22	12 57	1 52	21 39	14 22	7 26	7 56	4 20	16 23	6 48
S 26	8 18	21 20	4 42	9 8	1 34	1 10	1 1	22 38	0 55	10 56	0 59	22 44	0 43	13 58	0 22	12 57	1 52	21 38	14 22	7 24	7 55	4 17	16 23	6 48
S 27	7 55	15 46	3 59	8 23	1 31	0 39	1 0	22 33	0 56	10 59	0 58	22 44	0 43	13 59	0 22	12 57	1 52	21 37	14 22	7 22	7 54	4 14	16 24	6 47
M28	7 33	9 11	2 58	7 36	1 26	0 8	0 58	22 27	0 57	11 3	0 58	22 44	0 43	13 59	0 22	12 56	1 52	21 36	14 22	7 20	7 53	4 10	16 24	6 47
T 29	7 11	2 3	1 45	6 50	1 22	0s24	0 56	22 22	0 58	11 7	0 58	22 45	0 43	14 0	0 22	12 56	1 52	21 36	14 22	7 19	7 52	4 7	16 25	6 47
W30	6 48	5s 8	0 25	6 4	1 17	0 55	0 54	22 16	0 58	11 11	0 58	22 45	0 43	14 1	0 22	12 56	1 52	21 35	14 22	7 18	7 50	4 3	16 25	6 46
T 31	6n26	11s55	0s55	5n17	1n12	1s26	0n52	22n10	0n59	11s15	0n58	22s45	0n43	14s 2	0n22	12n56	1s52	21n34	14n22	7n18	7n49	4s 0	16s26	6n46

Julian Day Number = 2167970.5, Delta T = 12m34s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'49, Lahiri = 13°01'49 Julian Calendar 1 Aug. 1223 == Greg. Calendar 8 Aug. 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

SEPTEMBER 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 6 20	14♍41'33	13♏ 6	21♍14	6♎49	25♋45	1♏59	25♐17	8♏29	9°R26	8♍48	18♈35	19♈52	25♓ 5	9°R51	F 1
S 2	23 10 17	15°40'13	27° 5	22°58	8° 3	26°22	2°10	25°18	8°31	9♉25	8°50	18°36	19°49	25°12	9♊51	S 2
S 3	23 14 13	16°38'56	10♐39	24°41	9°17	26°59	2°21	25°19	8°34	9°24	8°52	18°R37	19°45	25°18	9°50	S 3
M 4	23 18 10	17°37'40	23°51	26°23	10°31	27°36	2°32	25°20	8°36	9°24	8°54	18°37	19°42	25°25	9°50	M 4
T 5	23 22 6	18°36'25	6♊42	28° 5	11°45	28°13	2°43	25°21	8°39	9°23	8°57	18°36	19°39	25°31	9°49	T 5
W 6	23 26 3	19°35'13	19°16	29°45	12°58	28°49	2°54	25°22	8°42	9°22	8°59	18°33	19°36	25°38	9°49	W 6
T 7	23 30 0	20°34'02	1♒36	1♎24	14°12	29°26	3° 5	25°23	8°45	9°21	9° 1	18°29	19°33	25°45	9°49	T 7
F 8	23 33 56	21°32'53	13°46	3° 3	15°26	0♌ 2	3°17	25°25	8°47	9°20	9° 3	18°25	19°30	25°51	9°49	F 8
S 9	23 37 53	22°31'46	25°46	4°40	16°40	0°39	3°28	25°26	8°50	9°19	9° 5	18°20	19°26	25°58	9°49	S 9
S 10	23 41 49	23°30'41	7♓41	6°17	17°54	1°15	3°39	25°28	8°53	9°18	9° 7	18°16	19°23	26° 5	9°D48	S 10
M11	23 45 46	24°29'38	19°31	7°52	19° 8	1°52	3°51	25°30	8°56	9°17	9° 9	18°13	19°20	26°11	9°49	M11
T 12	23 49 42	25°28'37	1♈20	9°27	20°22	2°28	4° 3	25°32	8°59	9°15	9°11	18°11	19°17	26°18	9°49	T 12
W13	23 53 39	26°27'38	13° 8	11° 1	21°35	3° 4	4°14	25°34	9° 2	9°14	9°14	18°D10	19°14	26°25	9°49	W13
T 14	23 57 35	27°26'41	24°59	12°34	22°49	3°40	4°26	25°36	9° 5	9°13	9°16	18°10	19°10	26°31	9°49	T 14
F 15	0 1 32	28°25'46	6♉55	14° 7	24° 3	4°16	4°38	25°38	9° 8	9°12	9°18	18°11	19° 7	26°38	9°50	F 15
S 16	0 5 28	29°24'54	18°59	15°38	25°17	4°52	4°50	25°40	9°11	9°11	9°20	18°12	19° 4	26°45	9°50	S 16
S 17	0 9 25	0♎24'04	1♊14	17° 9	26°31	5°28	5° 2	25°42	9°14	9°10	9°22	18°13	19° 1	26°51	9°51	S 17
M18	0 13 22	1°23'16	13°44	18°39	27°44	6° 4	5°14	25°45	9°17	9° 8	9°24	18°15	18°58	26°58	9°51	M18
T 19	0 17 18	2°22'31	26°34	20° 7	28°58	6°39	5°26	25°47	9°20	9° 7	9°26	18°R15	18°55	27° 5	9°52	T 19
W20	0 21 15	3°21'48	9♋46	21°36	0♏12	7°15	5°38	25°50	9°23	9° 6	9°28	18°15	18°51	27°11	9°53	W20
T 21	0 25 11	4°21'07	23°23	23° 3	1°26	7°51	5°50	25°52	9°27	9° 5	9°30	18°15	18°48	27°18	9°53	T 21
F 22	0 29 8	5°20'29	7♌26	24°29	2°39	8°26	6° 2	25°55	9°30	9° 3	9°32	18°14	18°45	27°25	9°54	F 22
S 23	0 33 4	6°19'53	21°55	25°55	3°53	9° 1	6°15	25°58	9°33	9° 2	9°34	18°12	18°42	27°31	9°55	S 23
S 24	0 37 1	7°19'20	6♍45	27°20	5° 7	9°37	6°27	26° 1	9°36	9° 0	9°36	18°11	18°39	27°38	9°56	S 24
M25	0 40 57	8°18'48	21°51	28°43	6°21	10°12	6°39	26° 4	9°40	8°59	9°38	18°10	18°36	27°45	9°58	M25
T 26	0 44 54	9°18'19	7♎ 2	0♏ 6	7°34	10°47	6°52	26° 7	9°43	8°58	9°40	18° 9	18°32	27°51	9°59	T 26
W27	0 48 51	10°17'52	22°11	1°28	8°48	11°22	7° 4	26°10	9°46	8°56	9°42	18°D 9	18°29	27°58	10° 0	W27
T 28	0 52 47	11°17'27	7♏ 7	2°49	10° 2	11°57	7°17	26°14	9°50	8°55	9°44	18° 9	18°26	28° 5	10° 1	T 28
F 29	0 56 44	12°17'04	21°43	4° 9	11°15	12°32	7°30	26°17	9°53	8°53	9°46	18°10	18°23	28°11	10° 3	F 29
S 30	1 0 40	13♎16'43	5♐55	5♏27	12♏29	13♌ 7	7♏42	26♐20	9♏57	8♉52	9♍48	18♈10	18♈20	28♓18	10♊ 4	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n 3	17s54	2s10	4n30	1n 6	1s57	0n50	22n 4	1n 0	11s19	0n58	22s45	0n42	14s 3	0n22	12n55	1s52	21n33	14n22	7n19	7n48	3s57	16s26	6n45
S 2	5 40	22 45	3 15	3 44	1 0	2 29	0 47	21 57	1 0	11 23	0 57	22 45	0 42	14 4	0 22	12 55	1 52	21 33	14 22	7 19	7 47	3 53	16 27	6 45
S 3	5 18	26 13	4 7	2 57	0 55	3 0	0 45	21 51	1 1	11 27	0 57	22 46	0 42	14 4	0 22	12 55	1 52	21 32	14 22	7 20	7 46	3 50	16 27	6 44
M 4	4 55	28 8	4 45	2 11	0 48	3 31	0 43	21 44	1 2	11 31	0 57	22 46	0 42	14 5	0 22	12 54	1 53	21 31	14 22	7 20	7 44	3 47	16 28	6 44
T 5	4 32	28 28	5 6	1 25	0 42	4 2	0 41	21 38	1 3	11 34	0 57	22 46	0 42	14 6	0 22	12 54	1 53	21 30	14 23	7 19	7 43	3 43	16 28	6 43
W 6	4 8	27 19	5 13	0 39	0 36	4 33	0 38	21 31	1 3	11 38	0 57	22 46	0 42	14 7	0 22	12 54	1 53	21 30	14 23	7 18	7 42	3 40	16 29	6 43
T 7	3 45	24 50	5 5	0s 7	0 29	5 4	0 36	21 24	1 4	11 42	0 57	22 46	0 41	14 8	0 22	12 53	1 53	21 29	14 23	7 17	7 41	3 36	16 29	6 42
F 8	3 22	21 17	4 43	0 53	0 22	5 35	0 34	21 17	1 5	11 47	0 56	22 46	0 41	14 9	0 22	12 53	1 53	21 28	14 23	7 15	7 40	3 33	16 30	6 42
S 9	2 59	16 53	4 9	1 38	0 15	6 6	0 31	21 10	1 6	11 51	0 56	22 47	0 41	14 10	0 22	12 53	1 53	21 28	14 23	7 13	7 38	3 30	16 30	6 41
S 10	2 35	11 53	3 25	2 23	0 8	6 37	0 29	21 3	1 6	11 55	0 56	22 47	0 41	14 11	0 22	12 52	1 53	21 27	14 23	7 12	7 37	3 26	16 31	6 41
M11	2 12	6 29	2 31	3 7	0 1	7 7	0 26	20 55	1 7	11 59	0 56	22 47	0 41	14 12	0 22	12 52	1 53	21 26	14 23	7 10	7 36	3 23	16 31	6 40
T 12	1 48	0 52	1 31	3 51	0s 6	7 37	0 24	20 48	1 8	12 3	0 56	22 47	0 41	14 13	0 22	12 51	1 53	21 26	14 24	7 9	7 35	3 19	16 32	6 40
W13	1 25	4n47	0 28	4 35	0 13	8 8	0 21	20 40	1 8	12 7	0 56	22 47	0 41	14 14	0 22	12 51	1 53	21 25	14 24	7 9	7 34	3 16	16 32	6 39
T 14	1 1	10 18	0n38	5 18	0 20	8 38	0 18	20 32	1 9	12 11	0 56	22 48	0 40	14 15	0 22	12 51	1 53	21 24	14 24	7 9	7 32	3 13	16 33	6 39
F 15	0 38	15 29	1 42	6 0	0 27	9 8	0 16	20 24	1 10	12 15	0 55	22 48	0 40	14 16	0 22	12 50	1 53	21 24	14 24	7 9	7 31	3 9	16 33	6 38
S 16	0 14	20 8	2 42	6 43	0 34	9 37	0 13	20 16	1 11	12 19	0 55	22 48	0 40	14 17	0 22	12 50	1 53	21 23	14 24	7 10	7 30	3 6	16 34	6 38
S 17	0s10	24 1	3 36	7 24	0 42	10 7	0 10	20 8	1 11	12 23	0 55	22 48	0 40	14 18	0 22	12 49	1 53	21 23	14 25	7 11	7 29	3 2	16 34	6 37
M18	0 33	26 52	4 21	8 5	0 49	10 36	0 8	20 0	1 12	12 27	0 55	22 49	0 40	14 19	0 21	12 49	1 53	21 22	14 25	7 11	7 27	2 59	16 35	6 37
T 19	0 57	28 24	4 54	8 46	0 56	11 5	0 5	19 52	1 13	12 32	0 55	22 49	0 40	14 20	0 21	12 49	1 53	21 21	14 25	7 11	7 26	2 56	16 35	6 36
W20	1 21	28 23	5 13	9 26	1 3	11 34	0 2	19 44	1 14	12 36	0 55	22 49	0 40	14 21	0 21	12 48	1 53	21 21	14 25	7 11	7 25	2 52	16 35	6 36
T 21	1 44	26 41	5 16	10 5	1 10	12 2	0s 1	19 35	1 14	12 40	0 55	22 49	0 39	14 22	0 21	12 48	1 53	21 20	14 26	7 11	7 24	2 49	16 36	6 36
F 22	2 8	23 18	4 59	10 44	1 17	12 30	0 4	19 27	1 15	12 44	0 54	22 49	0 39	14 23	0 21	12 47	1 53	21 20	14 26	7 11	7 23	2 45	16 36	6 35
S 23	2 31	18 25	4 24	11 21	1 24	12 58	0 6	19 18	1 16	12 48	0 54	22 50	0 39	14 24	0 21	12 47	1 53	21 19	14 26	7 10	7 21	2 42	16 37	6 35
S 24	2 55	12 19	3 30	11 59	1 31	13 26	0 9	19 9	1 17	12 53	0 54	22 50	0 39	14 25	0 21	12 46	1 53	21 19	14 26	7 9	7 20	2 38	16 37	6 34
M25	3 19	5 24	2 21	12 35	1 38	13 53	0 12	19 0	1 18	12 57	0 54	22 50	0 39	14 26	0 21	12 46	1 53	21 18	14 27	7 9	7 19	2 35	16 38	6 34
T 26	3 42	1s52	1 1	13 11	1 44	14 20	0 15	18 52	1 18	13 1	0 54	22 50	0 39	14 27	0 21	12 45	1 53	21 18	14 27	7 9	7 18	2 32	16 38	6 33
W27	4 6	9 1	0s22	13 46	1 51	14 47	0 18	18 43	1 19	13 5	0 54	22 51	0 39	14 28	0 21	12 45	1 53	21 17	14 27	7 9	7 17	2 28	16 38	6 33
T 28	4 29	15 35	1 43	14 20	1 57	15 13	0 21	18 33	1 20	13 9	0 54	22 51	0 39	14 29	0 21	12 44	1 53	21 17	14 27	7 9	7 15	2 25	16 39	6 32
F 29	4 53	21 6	2 56	14 53	2 3	15 39	0 24	18 24	1 21	13 14	0 54	22 51	0 38	14 30	0 21	12 44	1 54	21 16	14 28	7 9	7 14	2 21	16 39	6 32
S 30	5s16	25s15	3s55	15s25	2s 9	16s 4	0s27	18n15	1n21	13s18	0n54	22s51	0n38	14s31	0n21	12n43	1s54	21n16	14n28	7n 9	7n13	2s18	16s39	6n31

Julian Day Number = 2168001.5, Delta T = 12m34s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'53, Lahiri = 13°01'54 Julian Calendar 1 Sept. 1223 == Greg. Calendar 8 Sept. 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

OCTOBER 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 4 37	14♎16'23	19♐39	6♏45	13♏43	13♌42	7♏55	26♐24	10♏ 0	8°R50	9♍49	18♈11	18♈16	28♓25	10♉ 6	S 1
M 2	1 8 33	15°16'06	2♉58	8° 1	14°56	14°16	8° 8	26°28	10° 4	8♉49	9°51	18°11	18°13	28°31	10° 8	M 2
T 3	1 12 30	16°15'50	15°51	9°15	16°10	14°51	8°20	26°31	10° 7	8°47	9°53	18°R11	18°10	28°38	10° 9	T 3
W 4	1 16 26	17°15'36	28°24	10°28	17°23	15°25	8°33	26°35	10°11	8°46	9°55	18°11	18° 7	28°44	10°11	W 4
T 5	1 20 23	18°15'23	10♒40	11°40	18°37	16° 0	8°46	26°39	10°14	8°44	9°57	18°D11	18° 4	28°51	10°13	T 5
F 6	1 24 20	19°15'12	22°44	12°49	19°50	16°34	8°59	26°43	10°18	8°43	9°59	18°11	18° 1	28°58	10°15	F 6
S 7	1 28 16	20°15'03	4♓38	13°57	21° 4	17° 8	9°12	26°47	10°21	8°41	10° 0	18°11	17°57	29° 4	10°17	S 7
S 8	1 32 13	21°14'56	16°28	15° 2	22°18	17°42	9°25	26°51	10°25	8°39	10° 2	18°11	17°54	29°11	10°19	S 8
M 9	1 36 9	22°14'51	28°16	16° 5	23°31	18°16	9°38	26°55	10°28	8°38	10° 4	18°12	17°51	29°18	10°21	M 9
T 10	1 40 6	23°14'47	10♈ 5	17° 5	24°44	18°50	9°51	27° 0	10°32	8°36	10° 5	18°12	17°48	29°24	10°24	T 10
W11	1 44 2	24°14'46	21°58	18° 2	25°58	19°24	10° 4	27° 4	10°35	8°35	10° 7	18°R12	17°45	29°31	10°26	W11
T 12	1 47 59	25°14'46	3♉57	18°55	27°11	19°58	10°17	27° 8	10°39	8°33	10° 9	18°12	17°41	29°38	10°28	T 12
F 13	1 51 55	26°14'48	16° 3	19°45	28°25	20°31	10°30	27°13	10°43	8°31	10°10	18°11	17°38	29°44	10°31	F 13
S 14	1 55 52	27°14'52	28°19	20°31	29°38	21° 5	10°43	27°17	10°46	8°30	10°12	18°10	17°35	29°51	10°33	S 14
S 15	1 59 49	28°14'59	10♊46	21°12	0♐51	21°38	10°56	27°22	10°50	8°28	10°14	18° 9	17°32	29°58	10°36	S 15
M16	2 3 45	29°15'07	23°26	21°48	2° 5	22°11	11° 9	27°27	10°54	8°26	10°15	18° 7	17°29	0♈ 4	10°39	M16
T 17	2 7 42	0♏15'18	6♋21	22°18	3°18	22°44	11°22	27°32	10°57	8°25	10°17	18° 6	17°26	0°11	10°41	T 17
W18	2 11 38	1°15'31	19°33	22°42	4°31	23°17	11°35	27°36	11° 1	8°23	10°18	18° 5	17°22	0°18	10°44	W18
T 19	2 15 35	2°15'46	3♌ 5	22°59	5°45	23°50	11°49	27°41	11° 5	8°21	10°20	18°D 5	17°19	0°24	10°47	T 19
F 20	2 19 31	3°16'02	16°56	23° 8	6°58	24°23	12° 2	27°46	11° 8	8°20	10°21	18° 5	17°16	0°31	10°50	F 20
S 21	2 23 28	4°16'21	1♍ 7	23°R 9	8°11	24°56	12°15	27°51	11°12	8°18	10°23	18° 6	17°13	0°38	10°53	S 21
S 22	2 27 24	5°16'42	15°37	23° 1	9°24	25°29	12°28	27°56	11°16	8°16	10°24	18° 7	17°10	0°44	10°56	S 22
M23	2 31 21	6°17'05	0♎22	22°43	10°38	26° 1	12°42	28° 2	11°20	8°15	10°26	18° 8	17° 7	0°51	10°59	M23
T 24	2 35 18	7°17'30	15°17	22°16	11°51	26°33	12°55	28° 7	11°23	8°13	10°27	18°R 9	17° 3	0°58	11° 2	T 24
W25	2 39 14	8°17'56	0♏13	21°38	13° 4	27° 6	13° 8	28°12	11°27	8°11	10°28	18° 9	17° 0	1° 4	11° 6	W25
T 26	2 43 11	9°18'25	15° 4	20°50	14°17	27°38	13°22	28°18	11°31	8° 9	10°30	18° 7	16°57	1°11	11° 9	T 26
F 27	2 47 7	10°18'55	29°42	19°53	15°30	28°10	13°35	28°23	11°34	8° 8	10°31	18° 5	16°54	1°17	11°12	F 27
S 28	2 51 4	11°19'27	13♐58	18°47	16°43	28°41	13°48	28°29	11°38	8° 6	10°32	18° 1	16°51	1°24	11°16	S 28
S 29	2 55 0	12°20'00	27°51	17°35	17°56	29°13	14° 2	28°34	11°42	8° 4	10°34	17°58	16°47	1°31	11°19	S 29
M30	2 58 57	13°20'34	11♑16	16°16	19° 9	29°45	14°15	28°40	11°46	8° 3	10°35	17°54	16°44	1°37	11°23	M30
T 31	3 2 53	14♏21'10	24♑16	14♏56	20♐22	0♍16	14♏28	28♐45	11♏49	8♉ 1	10♍36	17♈52	16♈41	1♈44	11♑26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s39	27s47	4s39	15s57	2s15	16s29	0s29	18n 6	1n22	13s22	0n53	22s51	0n38	14s32	0n21	12n43	1s54	21n15	14n28	7n 9	7n12	2s15	16s40	6n31
M 2	6 2	28 37	5 7	16 27	2 20	16 54	0 32	17 57	1 23	13 26	0 53	22 52	0 38	14 34	0 21	12 42	1 54	21 15	14 29	7 10	7 10	2 11	16 40	6 30
T 3	6 25	27 51	5 18	16 56	2 25	17 19	0 35	17 47	1 24	13 30	0 53	22 52	0 38	14 35	0 21	12 42	1 54	21 14	14 29	7 10	7 9	2 8	16 40	6 30
W 4	6 48	25 40	5 13	17 24	2 30	17 42	0 38	17 38	1 25	13 35	0 53	22 52	0 38	14 36	0 21	12 41	1 54	21 14	14 29	7 10	7 8	2 4	16 41	6 29
T 5	7 11	22 20	4 54	17 51	2 35	18 6	0 41	17 28	1 25	13 39	0 53	22 52	0 38	14 37	0 21	12 41	1 54	21 14	14 30	7 10	7 7	2 1	16 41	6 29
F 6	7 34	18 7	4 22	18 17	2 39	18 29	0 44	17 18	1 26	13 43	0 53	22 53	0 37	14 38	0 21	12 40	1 54	21 13	14 30	7 10	7 6	1 57	16 41	6 28
S 7	7 57	13 15	3 39	18 41	2 43	18 51	0 47	17 9	1 27	13 47	0 53	22 53	0 37	14 39	0 21	12 40	1 54	21 13	14 30	7 10	7 4	1 54	16 42	6 28
S 8	8 19	7 56	2 47	19 4	2 46	19 13	0 50	16 59	1 28	13 51	0 53	22 53	0 37	14 40	0 21	12 39	1 54	21 12	14 31	7 10	7 3	1 51	16 42	6 27
M 9	8 42	2 21	1 49	19 25	2 49	19 35	0 53	16 49	1 29	13 56	0 53	22 53	0 37	14 41	0 21	12 39	1 54	21 12	14 31	7 10	7 2	1 47	16 42	6 27
T 10	9 4	3n19	0 45	19 45	2 52	19 56	0 55	16 40	1 29	14 0	0 52	22 54	0 37	14 43	0 21	12 38	1 54	21 12	14 31	7 10	7 1	1 44	16 43	6 26
W11	9 26	8 55	0n21	20 3	2 54	20 16	0 58	16 30	1 30	14 4	0 52	22 54	0 37	14 44	0 21	12 38	1 54	21 11	14 32	7 10	7 0	1 40	16 43	6 26
T 12	9 49	14 14	1 26	20 20	2 55	20 36	1 1	16 20	1 31	14 8	0 52	22 54	0 37	14 45	0 21	12 37	1 54	21 11	14 32	7 10	6 58	1 37	16 43	6 26
F 13	10 10	19 5	2 29	20 34	2 56	20 56	1 4	16 10	1 32	14 12	0 52	22 54	0 37	14 46	0 21	12 37	1 54	21 11	14 32	7 10	6 57	1 33	16 43	6 25
S 14	10 32	23 12	3 25	20 47	2 56	21 14	1 6	16 0	1 33	14 17	0 52	22 54	0 36	14 47	0 21	12 36	1 54	21 10	14 33	7 9	6 56	1 30	16 44	6 25
S 15	10 54	26 19	4 12	20 57	2 55	21 33	1 9	15 50	1 34	14 21	0 52	22 55	0 36	14 48	0 21	12 35	1 54	21 10	14 33	7 9	6 55	1 27	16 44	6 24
M16	11 15	28 10	4 48	21 5	2 53	21 50	1 12	15 40	1 34	14 25	0 52	22 55	0 36	14 50	0 21	12 35	1 54	21 10	14 34	7 8	6 53	1 23	16 44	6 24
T 17	11 37	28 33	5 10	21 10	2 50	22 7	1 14	15 30	1 35	14 29	0 52	22 55	0 36	14 51	0 21	12 34	1 54	21 10	14 34	7 8	6 52	1 20	16 44	6 23
W18	11 58	27 20	5 17	21 12	2 46	22 24	1 17	15 20	1 36	14 33	0 52	22 55	0 36	14 52	0 21	12 34	1 54	21 10	14 34	7 7	6 51	1 16	16 45	6 23
T 19	12 19	24 31	5 6	21 12	2 41	22 40	1 20	15 9	1 37	14 37	0 52	22 55	0 36	14 53	0 21	12 33	1 54	21 9	14 35	7 7	6 50	1 13	16 45	6 23
F 20	12 39	20 14	4 38	21 8	2 35	22 55	1 22	14 59	1 38	14 42	0 52	22 56	0 36	14 54	0 21	12 33	1 54	21 9	14 35	7 7	6 49	1 9	16 45	6 22
S 21	13 0	14 44	3 52	21 1	2 27	23 10	1 25	14 49	1 39	14 46	0 51	22 56	0 36	14 55	0 21	12 32	1 54	21 9	14 36	7 8	6 47	1 6	16 45	6 22
S 22	13 20	8 18	2 50	20 49	2 18	23 24	1 27	14 39	1 40	14 50	0 51	22 56	0 35	14 56	0 21	12 32	1 54	21 9	14 36	7 8	6 46	1 3	16 45	6 21
M23	13 40	1 20	1 37	20 34	2 7	23 37	1 30	14 28	1 40	14 54	0 51	22 56	0 35	14 58	0 21	12 31	1 54	21 9	14 36	7 9	6 45	0 59	16 46	6 21
T 24	14 0	5s48	0 16	20 15	1 54	23 49	1 32	14 18	1 41	14 58	0 51	22 56	0 35	14 59	0 21	12 31	1 54	21 8	14 37	7 9	6 44	0 56	16 46	6 20
W25	14 20	12 38	1s 6	19 51	1 40	24 1	1 34	14 8	1 42	15 2	0 51	22 57	0 35	15 0	0 21	12 30	1 54	21 8	14 37	7 9	6 42	0 52	16 46	6 20
T 26	14 39	18 42	2 23	19 23	1 24	24 13	1 37	13 58	1 43	15 6	0 51	22 57	0 35	15 1	0 21	12 29	1 54	21 8	14 38	7 8	6 41	0 49	16 46	6 20
F 27	14 59	23 35	3 29	18 51	1 6	24 23	1 39	13 47	1 44	15 10	0 51	22 57	0 35	15 2	0 21	12 29	1 54	21 8	14 38	7 7	6 40	0 45	16 46	6 19
S 28	15 18	26 54	4 21	18 15	0 47	24 33	1 41	13 37	1 45	15 14	0 51	22 57	0 35	15 3	0 21	12 28	1 54	21 8	14 39	7 6	6 39	0 42	16 46	6 19
S 29	15 36	28 27	4 55	17 35	0 28	24 42	1 43	13 27	1 46	15 18	0 51	22 57	0 35	15 5	0 21	12 28	1 54	21 8	14 39	7 5	6 38	0 39	16 46	6 19
M30	15 55	28 15	5 12	16 54	0 7	24 51	1 45	13 16	1 47	15 22	0 51	22 58	0 35	15 6	0 21	12 27	1 54	21 8	14 40	7 3	6 36	0 35	16 46	6 18
T 31	16s13	26s29	5s12	16s10	0n13	24s58	1s47	13n 6	1n48	15s26	0n51	22s58	0n34	15s 7	0n21	12n27	1s54	21n 8	14n40	7n 2	6n35	0s32	16s46	6n18

Julian Day Number = 2168031.5, Delta T = 12m34s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°54'57, Lahiri = 13°01'58 Julian Calendar 1 Oct. 1223 == Greg. Calendar 8 Oct. 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

NOVEMBER 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 6 50	15♏21'47	6♒53	13°R35	21♐35	0♍47	14♏42	28♐51	11♏53	7°R59	10♍37	17°R50	16♈38	1♈51	11♋30	W 1
T 2	3 10 47	16°22'25	19°10	12♏16	22°48	1°18	14°55	28°57	11°57	7♉58	10°38	17°D50	16°35	1°57	11°34	T 2
F 3	3 14 43	17°23'05	1♓12	11° 3	24° 1	1°49	15° 8	29° 3	12° 1	7°56	10°39	17♈51	16°32	2° 4	11°37	F 3
S 4	3 18 40	18°23'45	13° 5	9°57	25°14	2°20	15°22	29° 9	12° 4	7°54	10°40	17°52	16°28	2°11	11°41	S 4
S 5	3 22 36	19°24'27	24°53	9° 0	26°27	2°51	15°35	29°15	12° 8	7°53	10°42	17°54	16°25	2°17	11°45	S 5
M 6	3 26 33	20°25'10	6♈41	8°13	27°39	3°21	15°48	29°21	12°12	7°51	10°43	17°56	16°22	2°24	11°49	M 6
T 7	3 30 29	21°25'54	18°32	7°39	28°52	3°52	16° 2	29°27	12°15	7°49	10°44	17°R56	16°19	2°31	11°53	T 7
W 8	3 34 26	22°26'39	0♉31	7°15	0♊ 5	4°22	16°15	29°33	12°19	7°48	10°44	17°55	16°16	2°37	11°57	W 8
T 9	3 38 22	23°27'26	12°40	7° 3	1°17	4°52	16°28	29°39	12°23	7°46	10°45	17°53	16°13	2°44	12° 1	T 9
F 10	3 42 19	24°28'14	25° 1	7°D 3	2°30	5°22	16°42	29°45	12°26	7°44	10°46	17°48	16° 9	2°51	12° 5	F 10
S 11	3 46 16	25°29'03	7♊34	7°13	3°42	5°52	16°55	29°51	12°30	7°43	10°47	17°42	16° 6	2°57	12° 9	S 11
S 12	3 50 12	26°29'53	20°21	7°32	4°55	6°21	17° 8	29°57	12°34	7°41	10°48	17°35	16° 3	3° 4	12°14	S 12
M13	3 54 9	27°30'45	3♋20	8° 0	6° 7	6°50	17°21	0♊ 4	12°37	7°40	10°49	17°28	16° 0	3°11	12°18	M13
T 14	3 58 5	28°31'38	16°33	8°37	7°20	7°20	17°35	0°10	12°41	7°38	10°50	17°22	15°57	3°17	12°22	T 14
W15	4 2 2	29°32'32	29°57	9°20	8°32	7°49	17°48	0°16	12°45	7°37	10°50	17°16	15°53	3°24	12°27	W15
T 16	4 5 58	0♐33'28	13♌33	10° 9	9°44	8°18	18° 1	0°23	12°48	7°35	10°51	17°13	15°50	3°30	12°31	T 16
F 17	4 9 55	1°34'25	27°21	11° 4	10°57	8°46	18°14	0°29	12°52	7°34	10°52	17°D12	15°47	3°37	12°35	F 17
S 18	4 13 51	2°35'23	11♍21	12° 4	12° 9	9°15	18°28	0°36	12°55	7°32	10°52	17°12	15°44	3°44	12°40	S 18
S 19	4 17 48	3°36'23	25°32	13° 8	13°21	9°43	18°41	0°42	12°59	7°31	10°53	17°13	15°41	3°50	12°44	S 19
M20	4 21 45	4°37'23	9♎53	14°16	14°33	10°11	18°54	0°49	13° 3	7°29	10°54	17°R14	15°38	3°57	12°49	M20
T 21	4 25 41	5°38'25	24°21	15°27	15°45	10°39	19° 7	0°56	13° 6	7°28	10°54	17°14	15°34	4° 4	12°54	T 21
W22	4 29 38	6°39'28	8♏53	16°40	16°57	11° 6	19°20	1° 2	13°10	7°26	10°55	17°12	15°31	4°10	12°58	W22
T 23	4 33 34	7°40'33	23°23	17°56	18° 9	11°34	19°33	1° 9	13°13	7°25	10°55	17° 8	15°28	4°17	13° 3	T 23
F 24	4 37 31	8°41'38	7♐45	19°14	19°20	12° 1	19°46	1°16	13°17	7°23	10°56	17° 1	15°25	4°24	13° 8	F 24
S 25	4 41 27	9°42'44	21°52	20°34	20°32	12°28	19°59	1°22	13°20	7°22	10°56	16°52	15°22	4°30	13°12	S 25
S 26	4 45 24	10°43'50	5♑40	21°55	21°44	12°55	20°12	1°29	13°23	7°21	10°56	16°42	15°19	4°37	13°17	S 26
M27	4 49 21	11°44'58	19° 6	23°18	22°55	13°21	20°25	1°36	13°27	7°19	10°57	16°33	15°15	4°44	13°22	M27
T 28	4 53 17	12°46'05	2♒ 8	24°42	24° 7	13°48	20°38	1°43	13°30	7°18	10°57	16°25	15°12	4°50	13°27	T 28
W29	4 57 14	13°47'13	14°48	26° 6	25°18	14°14	20°51	1°49	13°34	7°17	10°57	16°18	15° 9	4°57	13°32	W29
T 30	5 1 10	14♐48'22	27♒ 7	27♏32	26♑30	14♍39	21♏ 4	1♑56	13♏37	7♉15	10♍57	16♈14	15♈ 6	5♈ 4	13♋37	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s31	23s25	4s57	15s27	0n34	25s 5	1s49	12n56	1n48	15s30	0n51	22s58	0n34	15s 8	0n21	12n26	1s54	21n 8	14n41	7n 2	6n34	0s28	16s46	6n17
T 2	16 48	19 23	4 29	14 44	0 54	25 12	1 51	12 46	1 49	15 34	0 51	22 58	0 34	15 9	0 21	12 26	1 54	21 8	14 41	7 1	6 33	0 25	16 47	6 17
F 3	17 6	14 39	3 49	14 4	1 12	25 17	1 53	12 35	1 50	15 38	0 51	22 58	0 34	15 10	0 21	12 25	1 54	21 8	14 42	7 2	6 31	0 21	16 47	6 17
S 4	17 23	9 26	3 0	13 27	1 29	25 22	1 55	12 25	1 51	15 42	0 51	22 58	0 34	15 12	0 21	12 25	1 54	21 8	14 42	7 2	6 30	0 18	16 47	6 16
S 5	17 39	3 55	2 3	12 55	1 44	25 26	1 56	12 15	1 52	15 46	0 51	22 58	0 34	15 13	0 21	12 24	1 54	21 8	14 42	7 3	6 29	0 14	16 47	6 16
M 6	17 56	1n43	1 1	12 28	1 57	25 29	1 58	12 4	1 53	15 50	0 50	22 59	0 34	15 14	0 21	12 24	1 54	21 8	14 43	7 4	6 28	0 11	16 47	6 16
T 7	18 12	7 21	0n 3	12 6	2 8	25 32	1 59	11 54	1 54	15 54	0 50	22 59	0 34	15 15	0 21	12 23	1 54	21 8	14 43	7 4	6 27	0 8	16 47	6 15
W 8	18 28	12 46	1 8	11 50	2 17	25 33	2 1	11 44	1 55	15 58	0 50	22 59	0 34	15 16	0 21	12 23	1 54	21 8	14 44	7 4	6 25	0 4	16 47	6 15
T 9	18 43	17 47	2 11	11 40	2 24	25 34	2 2	11 34	1 56	16 2	0 50	22 59	0 34	15 17	0 21	12 22	1 54	21 8	14 44	7 3	6 24	0 1	16 47	6 15
F 10	18 58	22 9	3 8	11 35	2 29	25 35	2 4	11 24	1 57	16 6	0 50	22 59	0 33	15 18	0 21	12 22	1 54	21 8	14 45	7 1	6 23	0n 3	16 47	6 14
S 11	19 13	25 34	3 57	11 35	2 32	25 34	2 5	11 14	1 58	16 9	0 50	22 59	0 33	15 19	0 21	12 21	1 54	21 8	14 45	6 59	6 22	0 6	16 46	6 14
S 12	19 27	27 46	4 36	11 39	2 34	25 33	2 6	11 4	1 59	16 13	0 50	22 59	0 33	15 21	0 21	12 21	1 54	21 9	14 46	6 56	6 20	0 10	16 46	6 14
M13	19 41	28 30	5 0	11 48	2 35	25 31	2 7	10 54	2 0	16 17	0 50	22 59	0 33	15 22	0 21	12 20	1 54	21 9	14 46	6 53	6 19	0 13	16 46	6 13
T 14	19 55	27 38	5 9	12 0	2 34	25 28	2 8	10 44	2 1	16 21	0 50	23 0	0 33	15 23	0 21	12 20	1 54	21 9	14 47	6 51	6 18	0 17	16 46	6 13
W15	20 8	25 10	5 2	12 16	2 32	25 25	2 9	10 34	2 2	16 25	0 50	23 0	0 33	15 24	0 21	12 19	1 54	21 9	14 47	6 49	6 17	0 20	16 46	6 13
T 16	20 21	21 15	4 38	12 34	2 29	25 20	2 10	10 24	2 3	16 28	0 50	23 0	0 33	15 25	0 21	12 19	1 54	21 9	14 48	6 47	6 16	0 23	16 46	6 13
F 17	20 34	16 9	3 57	12 55	2 25	25 15	2 10	10 14	2 4	16 32	0 50	23 0	0 33	15 26	0 21	12 18	1 54	21 9	14 49	6 47	6 14	0 27	16 46	6 12
S 18	20 46	10 8	3 2	13 17	2 21	25 10	2 11	10 4	2 5	16 36	0 50	23 0	0 33	15 27	0 21	12 18	1 53	21 10	14 49	6 47	6 13	0 30	16 46	6 12
S 19	20 58	3 32	1 55	13 41	2 16	25 3	2 12	9 54	2 6	16 39	0 50	23 0	0 33	15 28	0 21	12 17	1 53	21 10	14 50	6 47	6 12	0 34	16 46	6 12
M20	21 9	3s19	0 40	14 7	2 10	24 56	2 12	9 44	2 7	16 43	0 50	23 0	0 32	15 29	0 21	12 17	1 53	21 10	14 50	6 48	6 11	0 37	16 45	6 12
T 21	21 20	10 5	0s38	14 33	2 4	24 48	2 12	9 35	2 8	16 47	0 50	23 0	0 32	15 30	0 21	12 16	1 53	21 10	14 51	6 48	6 9	0 41	16 45	6 11
W22	21 31	16 19	1 54	15 0	1 58	24 39	2 13	9 25	2 9	16 50	0 50	23 0	0 32	15 32	0 21	12 16	1 53	21 11	14 51	6 47	6 8	0 44	16 45	6 11
T 23	21 41	21 38	3 2	15 28	1 52	24 30	2 13	9 16	2 10	16 54	0 50	23 0	0 32	15 33	0 21	12 16	1 53	21 11	14 52	6 45	6 7	0 48	16 45	6 11
F 24	21 51	25 36	3 58	15 56	1 45	24 20	2 13	9 6	2 11	16 57	0 50	23 0	0 32	15 34	0 21	12 15	1 53	21 11	14 52	6 43	6 6	0 51	16 45	6 11
S 25	22 0	27 54	4 38	16 24	1 38	24 9	2 13	8 57	2 12	17 1	0 50	23 0	0 32	15 35	0 21	12 15	1 53	21 12	14 53	6 39	6 4	0 54	16 44	6 10
S 26	22 9	28 25	5 0	16 52	1 30	23 58	2 13	8 48	2 13	17 4	0 50	23 0	0 32	15 36	0 21	12 14	1 53	21 12	14 53	6 36	6 3	0 58	16 44	6 10
M27	22 18	27 13	5 5	17 20	1 23	23 46	2 13	8 38	2 15	17 8	0 50	23 0	0 32	15 37	0 21	12 14	1 53	21 12	14 54	6 32	6 2	1 1	16 44	6 10
T 28	22 26	24 33	4 54	17 48	1 16	23 33	2 12	8 29	2 16	17 11	0 50	23 0	0 32	15 38	0 21	12 13	1 53	21 13	14 54	6 29	6 1	1 5	16 44	6 10
W29	22 33	20 45	4 29	18 15	1 8	23 20	2 12	8 20	2 17	17 15	0 50	23 0	0 32	15 39	0 21	12 13	1 53	21 13	14 55	6 26	6 0	1 8	16 43	6 9
T 30	22s40	16s 9	3s52	18s43	1n 1	23s 5	2s11	8n11	2n18	17s18	0n50	23s 0	0n32	15s40	0n21	12n13	1s53	21n13	14n55	6n25	5n58	1n12	16s43	6n 9

Julian Day Number = 2168062.5, Delta T = 12m34s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'01, Lahiri = 13°02'02 Julian Calendar 1 Nov. 1223 == Greg. Calendar 8 Nov. 1223

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ASTRODIENST EPHEMERIS for the year 1223
geocentric

DECEMBER 1223 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 5 7	15♐49'30	9♓11	28♏59	27♑41	15♍ 5	21♏16	2♑ 3	13♏40	7°R14	10♍58	16°R12	15♈ 3	5♈10	13♑42	F 1
S 2	5 9 3	16°50'39	21° 4	0♐26	28°52	15°30	21°29	2°10	13°44	7♉13	10°58	16°D12	14°59	5°17	13°47	S 2
S 3	5 13 0	17°51'48	2♈52	1°54	0♒ 3	15°55	21°42	2°17	13°47	7°12	10°58	16♈13	14°56	5°24	13°52	S 3
M 4	5 16 56	18°52'57	14°40	3°22	1°14	16°20	21°54	2°24	13°50	7°11	10°58	16°R13	14°53	5°30	13°57	M 4
T 5	5 20 53	19°54'06	26°34	4°51	2°25	16°44	22° 7	2°31	13°53	7° 9	10°58	16°13	14°50	5°37	14° 2	T 5
W 6	5 24 50	20°55'16	8♉38	6°20	3°36	17° 9	22°20	2°38	13°56	7° 8	10°58	16°10	14°47	5°43	14° 7	W 6
T 7	5 28 46	21°56'26	20°55	7°50	4°46	17°32	22°32	2°45	14° 0	7° 7	10°R58	16° 5	14°44	5°50	14°12	T 7
F 8	5 32 43	22°57'35	3♊29	9°20	5°57	17°56	22°45	2°52	14° 3	7° 6	10°58	15°57	14°40	5°57	14°17	F 8
S 9	5 36 39	23°58'46	16°21	10°50	7° 7	18°19	22°57	2°59	14° 6	7° 5	10°58	15°47	14°37	6° 3	14°22	S 9
S 10	5 40 36	24°59'56	29°29	12°21	8°18	18°42	23° 9	3° 6	14° 9	7° 4	10°58	15°35	14°34	6°10	14°27	S 10
M11	5 44 32	26° 1'06	12♋54	13°52	9°28	19° 5	23°22	3°13	14°12	7° 3	10°58	15°22	14°31	6°17	14°32	M11
T 12	5 48 29	27° 2'17	26°32	15°24	10°38	19°28	23°34	3°20	14°15	7° 2	10°58	15°11	14°28	6°23	14°38	T 12
W13	5 52 25	28° 3'28	10♌19	16°56	11°48	19°50	23°46	3°27	14°18	7° 1	10°58	15° 1	14°25	6°30	14°43	W13
T 14	5 56 22	29° 4'39	24°14	18°28	12°57	20°11	23°58	3°34	14°21	7° 0	10°57	14°54	14°21	6°37	14°48	T 14
F 15	6 0 19	0♑ 5'50	8♍13	20° 0	14° 7	20°33	24°10	3°41	14°24	6°59	10°57	14°50	14°18	6°43	14°53	F 15
S 16	6 4 15	1° 7'02	22°15	21°33	15°16	20°54	24°22	3°48	14°27	6°58	10°57	14°48	14°15	6°50	14°59	S 16
S 17	6 8 12	2° 8'14	6♎19	23° 6	16°26	21°15	24°34	3°55	14°29	6°58	10°57	14°D48	14°12	6°57	15° 4	S 17
M18	6 12 8	3° 9'26	20°25	24°40	17°35	21°35	24°46	4° 2	14°32	6°57	10°56	14°R48	14° 9	7° 3	15° 9	M18
T 19	6 16 5	4°10'38	4♏31	26°14	18°44	21°55	24°58	4°10	14°35	6°56	10°56	14°47	14° 5	7°10	15°15	T 19
W20	6 20 1	5°11'50	18°36	27°48	19°53	22°15	25°10	4°17	14°38	6°55	10°55	14°43	14° 2	7°17	15°20	W20
T 21	6 23 58	6°13'03	2♐38	29°23	21° 2	22°34	25°21	4°24	14°40	6°55	10°55	14°37	13°59	7°23	15°25	T 21
F 22	6 27 54	7°14'15	16°33	0♑58	22°10	22°53	25°33	4°31	14°43	6°54	10°54	14°27	13°56	7°30	15°31	F 22
S 23	6 31 51	8°15'28	0♑18	2°34	23°19	23°11	25°45	4°38	14°46	6°53	10°54	14°15	13°53	7°36	15°36	S 23
S 24	6 35 48	9°16'39	13°49	4°10	24°27	23°29	25°56	4°45	14°48	6°53	10°53	14° 2	13°50	7°43	15°41	S 24
M25	6 39 44	10°17'51	27° 3	5°46	25°35	23°47	26° 7	4°52	14°51	6°52	10°53	13°48	13°46	7°50	15°47	M25
T 26	6 43 41	11°19'02	9♒58	7°23	26°43	24° 4	26°19	4°59	14°53	6°52	10°52	13°36	13°43	7°56	15°52	T 26
W27	6 47 37	12°20'12	22°34	9° 1	27°50	24°20	26°30	5° 6	14°56	6°51	10°52	13°26	13°40	8° 3	15°57	W27
T 28	6 51 34	13°21'22	4♓53	10°39	28°58	24°37	26°41	5°13	14°58	6°51	10°51	13°18	13°37	8°10	16° 3	T 28
F 29	6 55 30	14°22'31	16°56	12°17	0♓ 5	24°52	26°52	5°20	15° 0	6°50	10°50	13°14	13°34	8°16	16° 8	F 29
S 30	6 59 27	15°23'39	28°50	13°56	1°12	25° 8	27° 3	5°27	15° 3	6°50	10°50	13°12	13°31	8°23	16°13	S 30
S 31	7 3 24	16♑24'46	10♈38	15♑36	2♓19	25♍23	27♏14	5♑34	15♏ 5	6♉49	10♍49	13♈11	13♈27	8♈30	16♑19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s47	11s 1	3s 5	19s 9	0n53	22s51	2s11	8n 2	2n19	17s21	0n50	23s 0	0n31	15s41	0n21	12n12	1s53	21n14	14n56	6n24	5n57	1n15	16s43	6n 9
S 2	22 53	5 33	2 10	19 35	0 46	22 35	2 10	7 53	2 20	17 25	0 50	23 0	0 31	15 42	0 21	12 12	1 53	21 14	14 56	6 24	5 56	1 19	16 43	6 9
S 3	22 59	0n 4	1 11	20 0	0 38	22 20	2 9	7 45	2 21	17 28	0 50	23 0	0 31	15 43	0 21	12 12	1 53	21 15	14 57	6 24	5 55	1 22	16 42	6 9
M 4	23 4	5 41	0 8	20 25	0 31	22 3	2 8	7 36	2 22	17 31	0 50	23 0	0 31	15 44	0 21	12 11	1 53	21 15	14 57	6 24	5 53	1 25	16 42	6 9
T 5	23 9	11 9	0n55	20 49	0 23	21 46	2 7	7 28	2 24	17 35	0 50	23 0	0 31	15 45	0 21	12 11	1 53	21 16	14 58	6 24	5 52	1 29	16 42	6 8
W 6	23 14	16 17	1 57	21 12	0 16	21 28	2 6	7 19	2 25	17 38	0 50	23 0	0 31	15 46	0 21	12 11	1 53	21 16	14 59	6 23	5 51	1 32	16 41	6 8
T 7	23 18	20 51	2 54	21 34	0 8	21 10	2 4	7 11	2 26	17 41	0 50	23 0	0 31	15 47	0 21	12 10	1 53	21 16	14 59	6 21	5 50	1 36	16 41	6 8
F 8	23 21	24 36	3 44	21 56	0 1	20 51	2 3	7 3	2 27	17 44	0 50	23 0	0 31	15 47	0 21	12 10	1 53	21 17	15 0	6 18	5 48	1 39	16 40	6 8
S 9	23 24	27 12	4 23	22 16	0s 6	20 32	2 1	6 55	2 28	17 47	0 50	23 0	0 31	15 48	0 21	12 10	1 53	21 17	15 0	6 14	5 47	1 43	16 40	6 8
S 10	23 27	28 22	4 50	22 35	0 13	20 12	2 0	6 47	2 30	17 50	0 50	23 0	0 31	15 49	0 21	12 9	1 53	21 18	15 1	6 9	5 46	1 46	16 40	6 8
M11	23 29	27 55	5 1	22 53	0 20	19 51	1 58	6 39	2 31	17 54	0 50	22 59	0 31	15 50	0 21	12 9	1 53	21 19	15 1	6 5	5 45	1 50	16 39	6 8
T 12	23 31	25 47	4 56	23 11	0 27	19 30	1 56	6 31	2 32	17 57	0 50	22 59	0 31	15 51	0 21	12 9	1 52	21 19	15 2	6 0	5 43	1 53	16 39	6 7
W13	23 32	22 6	4 33	23 27	0 33	19 9	1 54	6 23	2 33	18 0	0 50	22 59	0 31	15 52	0 21	12 9	1 52	21 20	15 2	5 56	5 42	1 56	16 38	6 7
T 14	23 32	17 11	3 54	23 42	0 40	18 47	1 52	6 16	2 34	18 3	0 50	22 59	0 30	15 53	0 21	12 8	1 52	21 20	15 3	5 54	5 41	2 0	16 38	6 7
F 15	23 33	11 19	3 1	23 56	0 46	18 25	1 50	6 9	2 36	18 6	0 50	22 59	0 30	15 54	0 21	12 8	1 52	21 21	15 3	5 52	5 40	2 3	16 37	6 7
S 16	23 32	4 52	1 56	24 8	0 52	18 2	1 47	6 2	2 37	18 9	0 50	22 59	0 30	15 55	0 21	12 8	1 52	21 21	15 4	5 51	5 39	2 7	16 37	6 7
S 17	23 31	1s50	0 45	24 20	0 58	17 39	1 45	5 54	2 38	18 11	0 50	22 59	0 30	15 55	0 21	12 8	1 52	21 22	15 4	5 51	5 37	2 10	16 36	6 7
M18	23 30	8 28	0s30	24 30	1 4	17 15	1 42	5 48	2 40	18 14	0 50	22 59	0 30	15 56	0 21	12 8	1 52	21 23	15 5	5 51	5 36	2 14	16 36	6 7
T 19	23 29	14 41	1 42	24 39	1 9	16 51	1 40	5 41	2 41	18 17	0 50	22 58	0 30	15 57	0 21	12 7	1 52	21 23	15 5	5 51	5 35	2 17	16 35	6 7
W20	23 26	20 8	2 48	24 46	1 15	16 27	1 37	5 34	2 42	18 20	0 50	22 58	0 30	15 58	0 21	12 7	1 52	21 24	15 6	5 49	5 34	2 20	16 35	6 7
T 21	23 24	24 26	3 44	24 52	1 20	16 2	1 34	5 28	2 43	18 23	0 50	22 58	0 30	15 59	0 21	12 7	1 52	21 24	15 6	5 47	5 32	2 24	16 34	6 7
F 22	23 21	27 16	4 26	24 57	1 25	15 37	1 31	5 22	2 45	18 26	0 50	22 58	0 30	15 59	0 21	12 7	1 52	21 25	15 7	5 43	5 31	2 27	16 34	6 7
S 23	23 17	28 24	4 51	25 1	1 30	15 11	1 28	5 15	2 46	18 28	0 50	22 58	0 30	16 0	0 21	12 7	1 52	21 26	15 7	5 39	5 30	2 31	16 33	6 7
S 24	23 13	27 48	5 0	25 3	1 34	14 45	1 24	5 9	2 47	18 31	0 50	22 58	0 30	16 1	0 21	12 7	1 52	21 26	15 8	5 33	5 29	2 34	16 33	6 7
M25	23 8	25 37	4 52	25 3	1 38	14 19	1 21	5 4	2 49	18 34	0 50	22 57	0 30	16 2	0 21	12 6	1 52	21 27	15 8	5 28	5 27	2 38	16 32	6 7
T 26	23 3	22 9	4 29	25 2	1 42	13 52	1 17	4 58	2 50	18 36	0 50	22 57	0 30	16 2	0 21	12 6	1 52	21 28	15 9	5 23	5 26	2 41	16 32	6 7
W27	22 58	17 44	3 54	25 0	1 46	13 26	1 14	4 53	2 51	18 39	0 50	22 57	0 30	16 3	0 21	12 6	1 52	21 28	15 9	5 19	5 25	2 45	16 31	6 7
T 28	22 52	12 40	3 8	24 56	1 49	12 59	1 10	4 48	2 53	18 41	0 50	22 57	0 29	16 4	0 21	12 6	1 52	21 29	15 10	5 16	5 24	2 48	16 30	6 7
F 29	22 46	7 14	2 14	24 50	1 52	12 31	1 6	4 43	2 54	18 44	0 50	22 57	0 29	16 4	0 21	12 6	1 51	21 30	15 10	5 15	5 22	2 51	16 30	6 7
S 30	22 39	1 37	1 15	24 43	1 55	12 4	1 2	4 38	2 56	18 46	0 50	22 56	0 29	16 5	0 21	12 6	1 51	21 30	15 11	5 14	5 21	2 55	16 29	6 7
S 31	22s32	4n 1	0s14	24s34	1s58	11s36	0s58	4n33	2n57	18s49	0n50	22s56	0n29	16s 6	0n21	12n 6	1s51	21n31	15n11	5n14	5n20	2n58	16s28	6n 7

Julian Day Number = 2168092.5, Delta T = 12m34s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'06, Lahiri = 13°02'06 Julian Calendar 1 Dec. 1223 == Greg. Calendar 8 Dec. 1223

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

JANUARY 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 7 20	17♑25'52	22♈25	17♑16	3♓25	25♍37	27♏25	5♑41	15♏ 7	6°R49	10°R48	13°R11	13♈24	8♈36	16♑24	M 1
T 2	7 11 17	18°26'58	4♉19	18°56	4°32	25°51	27°36	5°48	15° 9	6♉49	10♍47	13♈10	13°21	8°43	16°29	T 2
W 3	7 15 13	19°28'02	16°24	20°37	5°38	26° 4	27°46	5°55	15°11	6°48	10°46	13° 8	13°18	8°50	16°35	W 3
T 4	7 19 10	20°29'05	28°45	22°19	6°43	26°17	27°57	6° 2	15°13	6°48	10°45	13° 3	13°15	8°56	16°40	T 4
F 5	7 23 6	21°30'08	11♊26	24° 1	7°49	26°29	28° 7	6° 9	15°15	6°48	10°45	12°55	13°11	9° 3	16°46	F 5
S 6	7 27 3	22°31'10	24°29	25°44	8°54	26°41	28°17	6°16	15°17	6°48	10°44	12°45	13° 8	9°10	16°51	S 6
S 7	7 30 59	23°32'10	7♋54	27°27	9°59	26°52	28°28	6°23	15°19	6°48	10°43	12°33	13° 5	9°16	16°56	S 7
M 8	7 34 56	24°33'10	21°41	29°11	11° 4	27° 3	28°38	6°30	15°21	6°48	10°42	12°20	13° 2	9°23	17° 2	M 8
T 9	7 38 53	25°34'08	5♌44	0♒56	12° 8	27°13	28°48	6°36	15°23	6°48	10°41	12° 8	12°59	9°29	17° 7	T 9
W10	7 42 49	26°35'06	20° 0	2°40	13°12	27°22	28°58	6°43	15°25	6°D48	10°40	11°58	12°56	9°36	17°12	W10
T 11	7 46 46	27°36'03	4♍22	4°26	14°16	27°31	29° 8	6°50	15°27	6°48	10°39	11°50	12°52	9°43	17°17	T 11
F 12	7 50 42	28°36'59	18°45	6°11	15°19	27°39	29°17	6°57	15°28	6°48	10°38	11°46	12°49	9°49	17°23	F 12
S 13	7 54 39	29°37'53	3♎ 4	7°57	16°22	27°47	29°27	7° 4	15°30	6°48	10°37	11°44	12°46	9°56	17°28	S 13
S 14	7 58 35	0♒38'48	17°17	9°43	17°25	27°54	29°37	7°10	15°32	6°48	10°35	11°D44	12°43	10° 3	17°33	S 14
M15	8 2 32	1°39'41	1♏22	11°29	18°27	28° 1	29°46	7°17	15°33	6°48	10°34	11°R44	12°40	10° 9	17°39	M15
T 16	8 6 28	2°40'34	15°18	13°15	19°29	28° 6	29°55	7°24	15°35	6°48	10°33	11°43	12°37	10°16	17°44	T 16
W17	8 10 25	3°41'26	29° 7	15° 1	20°30	28°11	0♐ 4	7°30	15°36	6°48	10°32	11°41	12°33	10°23	17°49	W17
T 18	8 14 22	4°42'16	12♐46	16°46	21°32	28°16	0°13	7°37	15°37	6°49	10°31	11°35	12°30	10°29	17°54	T 18
F 19	8 18 18	5°43'06	26°15	18°30	22°32	28°19	0°22	7°43	15°39	6°49	10°29	11°27	12°27	10°36	17°59	F 19
S 20	8 22 15	6°43'55	9♑34	20°14	23°33	28°22	0°31	7°50	15°40	6°49	10°28	11°17	12°24	10°43	18° 4	S 20
S 21	8 26 11	7°44'43	22°41	21°56	24°32	28°25	0°40	7°56	15°41	6°50	10°27	11° 6	12°21	10°49	18°10	S 21
M22	8 30 8	8°45'29	5♒35	23°37	25°32	28°26	0°49	8° 3	15°42	6°50	10°26	10°54	12°17	10°56	18°15	M22
T 23	8 34 4	9°46'14	18°14	25°15	26°31	28°27	0°57	8° 9	15°44	6°50	10°24	10°43	12°14	11° 2	18°20	T 23
W24	8 38 1	10°46'57	0♓39	26°51	27°29	28°R27	1° 5	8°16	15°45	6°51	10°23	10°34	12°11	11° 9	18°25	W24
T 25	8 41 57	11°47'39	12°51	28°23	28°27	28°27	1°13	8°22	15°46	6°51	10°22	10°28	12° 8	11°16	18°30	T 25
F 26	8 45 54	12°48'20	24°51	29°52	29°24	28°25	1°22	8°28	15°47	6°52	10°20	10°24	12° 5	11°22	18°35	F 26
S 27	8 49 51	13°48'58	6♈43	1♓16	0♈21	28°23	1°29	8°34	15°48	6°52	10°19	10°D22	12° 2	11°29	18°40	S 27
S 28	8 53 47	14°49'35	18°30	2°35	1°18	28°20	1°37	8°41	15°48	6°53	10°18	10°23	11°58	11°36	18°45	S 28
M29	8 57 44	15°50'10	0♉17	3°49	2°13	28°16	1°45	8°47	15°49	6°54	10°16	10°24	11°55	11°42	18°50	M29
T 30	9 1 40	16°50'43	12°10	4°56	3° 8	28°12	1°52	8°53	15°50	6°54	10°15	10°R24	11°52	11°49	18°55	T 30
W31	9 5 37	17♒51'15	24♉13	5♓56	4♈ 3	28♍ 7	2♐ 0	8♑59	15♏51	6♉55	10♍13	10♈24	11♈49	11♈56	19♑ 0	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s24	9n31	0n49	24s24	2s 0	11s 8	0s54	4n29	2n58	18s51	0n50	22s56	0n29	16s 6	0n21	12n 6	1s51	21n32	15n12	5n14	5n19	3n 2	16s28	6n 7
T 2	22 16	14 44	1 49	24 12	2 1	10 39	0 49	4 24	3 0	18 54	0 50	22 56	0 29	16 7	0 21	12 6	1 51	21 33	15 12	5 13	5 18	3 5	16 27	6 7
W 3	22 7	19 28	2 46	23 58	2 3	10 11	0 45	4 20	3 1	18 56	0 50	22 55	0 29	16 8	0 21	12 6	1 51	21 33	15 12	5 12	5 16	3 9	16 26	6 7
T 4	21 58	23 29	3 36	23 43	2 4	9 42	0 40	4 17	3 3	18 58	0 50	22 55	0 29	16 8	0 21	12 6	1 51	21 34	15 13	5 10	5 15	3 12	16 26	6 7
F 5	21 49	26 30	4 17	23 26	2 4	9 13	0 35	4 13	3 4	19 1	0 50	22 55	0 29	16 9	0 21	12 6	1 51	21 35	15 13	5 7	5 14	3 16	16 25	6 7
S 6	21 39	28 11	4 46	23 7	2 4	8 44	0 31	4 10	3 6	19 3	0 50	22 55	0 29	16 9	0 21	12 6	1 51	21 36	15 14	5 3	5 13	3 19	16 24	6 7
S 7	21 29	28 17	5 0	22 47	2 4	8 15	0 26	4 6	3 7	19 5	0 50	22 54	0 29	16 10	0 21	12 6	1 51	21 36	15 14	4 59	5 11	3 22	16 24	6 7
M 8	21 18	26 40	4 57	22 25	2 3	7 46	0 21	4 4	3 8	19 7	0 50	22 54	0 29	16 10	0 21	12 6	1 51	21 37	15 15	4 54	5 10	3 26	16 23	6 7
T 9	21 7	23 22	4 36	22 1	2 2	7 17	0 15	4 1	3 10	19 10	0 50	22 54	0 29	16 11	0 21	12 6	1 51	21 38	15 15	4 49	5 9	3 29	16 22	6 7
W10	20 56	18 38	3 58	21 36	2 0	6 47	0 10	3 58	3 11	19 12	0 50	22 54	0 29	16 12	0 21	12 6	1 51	21 39	15 15	4 45	5 8	3 33	16 21	6 7
T 11	20 44	12 48	3 4	21 9	1 58	6 18	0 5	3 56	3 13	19 14	0 50	22 53	0 29	16 12	0 21	12 6	1 51	21 39	15 16	4 42	5 6	3 36	16 21	6 7
F 12	20 32	6 17	1 59	20 40	1 55	5 48	0n 1	3 54	3 14	19 16	0 50	22 53	0 29	16 12	0 21	12 6	1 51	21 40	15 16	4 40	5 5	3 40	16 20	6 7
S 13	20 19	0s31	0 46	20 9	1 52	5 18	0 6	3 52	3 16	19 18	0 50	22 53	0 29	16 13	0 21	12 6	1 51	21 41	15 17	4 39	5 4	3 43	16 19	6 8
S 14	20 6	7 16	0s29	19 37	1 48	4 49	0 12	3 51	3 17	19 20	0 50	22 52	0 28	16 13	0 21	12 6	1 50	21 42	15 17	4 39	5 3	3 46	16 18	6 8
M15	19 53	13 36	1 42	19 3	1 43	4 19	0 18	3 50	3 19	19 22	0 51	22 52	0 28	16 14	0 21	12 6	1 50	21 43	15 17	4 40	5 1	3 50	16 18	6 8
T 16	19 39	19 11	2 48	18 28	1 38	3 49	0 24	3 49	3 20	19 24	0 51	22 52	0 28	16 14	0 21	12 6	1 50	21 43	15 18	4 39	5 0	3 53	16 17	6 8
W17	19 25	23 41	3 44	17 52	1 32	3 19	0 30	3 48	3 21	19 26	0 51	22 51	0 28	16 15	0 21	12 7	1 50	21 44	15 18	4 38	4 59	3 57	16 16	6 8
T 18	19 10	26 49	4 26	17 14	1 25	2 49	0 36	3 48	3 23	19 28	0 51	22 51	0 28	16 15	0 21	12 7	1 50	21 45	15 18	4 36	4 58	4 0	16 15	6 8
F 19	18 55	28 22	4 52	16 34	1 17	2 20	0 42	3 47	3 24	19 29	0 51	22 51	0 28	16 15	0 21	12 7	1 50	21 46	15 19	4 33	4 56	4 4	16 14	6 8
S 20	18 40	28 14	5 3	15 54	1 9	1 50	0 49	3 47	3 26	19 31	0 51	22 50	0 28	16 16	0 21	12 7	1 50	21 47	15 19	4 29	4 55	4 7	16 14	6 9
S 21	18 25	26 30	4 57	15 12	1 0	1 20	0 55	3 48	3 27	19 33	0 51	22 50	0 28	16 16	0 21	12 7	1 50	21 47	15 19	4 24	4 54	4 10	16 13	6 9
M22	18 9	23 24	4 36	14 30	0 51	0 50	1 2	3 49	3 28	19 35	0 51	22 50	0 28	16 17	0 21	12 7	1 50	21 48	15 20	4 20	4 53	4 14	16 12	6 9
T 23	17 53	19 15	4 1	13 47	0 40	0 21	1 8	3 49	3 30	19 36	0 51	22 49	0 28	16 17	0 21	12 8	1 50	21 49	15 20	4 16	4 51	4 17	16 11	6 9
W24	17 36	14 20	3 16	13 4	0 29	0n 9	1 15	3 51	3 31	19 38	0 51	22 49	0 28	16 17	0 21	12 8	1 50	21 50	15 20	4 12	4 50	4 21	16 10	6 9
T 25	17 20	8 57	2 22	12 21	0 17	0 38	1 22	3 52	3 33	19 40	0 51	22 49	0 28	16 17	0 21	12 8	1 50	21 51	15 21	4 10	4 49	4 24	16 9	6 9
F 26	17 2	3 19	1 22	11 38	0 4	1 7	1 29	3 54	3 34	19 41	0 51	22 48	0 28	16 18	0 21	12 8	1 50	21 51	15 21	4 8	4 48	4 28	16 9	6 10
S 27	16 45	2n23	0 20	10 56	0n 9	1 36	1 36	3 56	3 35	19 43	0 51	22 48	0 28	16 18	0 21	12 8	1 50	21 52	15 21	4 7	4 46	4 31	16 8	6 10
S 28	16 27	7 57	0n44	10 14	0 23	2 5	1 43	3 58	3 37	19 44	0 51	22 48	0 28	16 18	0 21	12 9	1 50	21 53	15 22	4 8	4 45	4 34	16 7	6 10
M29	16 9	13 16	1 45	9 34	0 38	2 34	1 50	4 1	3 38	19 46	0 51	22 47	0 28	16 18	0 21	12 9	1 49	21 54	15 22	4 8	4 44	4 38	16 6	6 10
T 30	15 51	18 8	2 43	8 55	0 53	3 3	1 58	4 4	3 39	19 47	0 51	22 47	0 28	16 19	0 21	12 9	1 49	21 55	15 22	4 8	4 43	4 41	16 5	6 10
W31	15s33	22n21	3n34	8s19	1n 8	3n31	2n 5	4n 7	3n40	19s49	0n51	22s47	0n28	16s19	0n21	12n10	1s49	21n55	15n22	4n 8	4n41	4n45	16s 4	6n11

Julian Day Number = 2168123.5, Delta T = 12m34s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'10, Lahiri = 13°02'10 Julian Calendar 1 Jan. 1224 == Greg. Calendar 8 Jan. 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

FEBRUARY 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 9 33	18♒51'44	6♊33	6♓48	4♈56	28°R 1	2♐ 7	9♑ 5	15♏51	6♉56	10°R12	10°R22	11♈46	12♈ 2	19♑ 4	T 1
F 2	9 13 30	19°52'12	19°13	7°32	5°49	27♍54	2°14	9°11	15°52	6°56	10♍10	10♈19	11°43	12° 9	19° 9	F 2
S 3	9 17 26	20°52'38	2♋18	8° 7	6°42	27°46	2°21	9°17	15°52	6°57	10° 9	10°13	11°39	12°16	19°14	S 3
S 4	9 21 23	21°53'02	15°49	8°33	7°33	27°38	2°28	9°23	15°53	6°58	10° 7	10° 5	11°36	12°22	19°19	S 4
M 5	9 25 20	22°53'24	29°46	8°48	8°24	27°29	2°35	9°28	15°53	6°59	10° 6	9°57	11°33	12°29	19°23	M 5
T 6	9 29 16	23°53'44	14♌ 5	8°R54	9°14	27°19	2°41	9°34	15°54	7° 0	10° 4	9°50	11°30	12°36	19°28	T 6
W 7	9 33 13	24°54'03	28°42	8°50	10° 3	27° 8	2°48	9°40	15°54	7° 1	10° 3	9°43	11°27	12°42	19°33	W 7
T 8	9 37 9	25°54'19	13♍29	8°36	10°52	26°57	2°54	9°45	15°54	7° 2	10° 1	9°38	11°23	12°49	19°37	T 8
F 9	9 41 6	26°54'34	28°19	8°13	11°39	26°45	3° 0	9°51	15°55	7° 3	10° 0	9°36	11°20	12°55	19°42	F 9
S 10	9 45 2	27°54'47	13♎ 3	7°41	12°26	26°32	3° 6	9°57	15°55	7° 4	9°58	9°D36	11°17	13° 2	19°46	S 10
S 11	9 48 59	28°54'59	27°37	7° 1	13°11	26°18	3°12	10° 2	15°55	7° 5	9°57	9°36	11°14	13° 9	19°51	S 11
M12	9 52 55	29°55'09	11♏56	6°14	13°56	26° 4	3°17	10° 7	15°R55	7° 6	9°55	9°38	11°11	13°15	19°55	M12
T 13	9 56 52	0♓55'17	25°58	5°22	14°39	25°49	3°23	10°13	15°55	7° 7	9°53	9°R39	11° 8	13°22	20° 0	T 13
W14	10 0 49	1°55'25	9♐44	4°25	15°22	25°33	3°28	10°18	15°55	7° 8	9°52	9°39	11° 4	13°29	20° 4	W14
T 15	10 4 45	2°55'30	23°12	3°25	16° 3	25°16	3°33	10°23	15°55	7° 9	9°50	9°37	11° 1	13°35	20° 8	T 15
F 16	10 8 42	3°55'34	6♑26	2°24	16°43	24°59	3°38	10°28	15°55	7°11	9°49	9°33	10°58	13°42	20°12	F 16
S 17	10 12 38	4°55'36	19°24	1°23	17°22	24°41	3°43	10°33	15°54	7°12	9°47	9°29	10°55	13°49	20°17	S 17
S 18	10 16 35	5°55'37	2♒10	0°23	18° 0	24°23	3°47	10°38	15°54	7°13	9°45	9°23	10°52	13°55	20°21	S 18
M19	10 20 31	6°55'35	14°42	29♒26	18°37	24° 4	3°52	10°43	15°54	7°14	9°44	9°17	10°49	14° 2	20°25	M19
T 20	10 24 28	7°55'32	27° 4	28°32	19°12	23°44	3°56	10°48	15°53	7°16	9°42	9°11	10°45	14° 9	20°29	T 20
W21	10 28 24	8°55'27	9♓15	27°43	19°46	23°24	4° 0	10°53	15°53	7°17	9°41	9° 7	10°42	14°15	20°33	W21
T 22	10 32 21	9°55'19	21°16	26°59	20°18	23° 4	4° 4	10°58	15°52	7°18	9°39	9° 4	10°39	14°22	20°37	T 22
F 23	10 36 18	10°55'10	3♈10	26°21	20°49	22°43	4° 8	11° 3	15°52	7°20	9°37	9° 3	10°36	14°28	20°41	F 23
S 24	10 40 14	11°54'59	14°59	25°49	21°18	22°21	4°11	11° 7	15°51	7°21	9°36	9°D 3	10°33	14°35	20°45	S 24
S 25	10 44 11	12°54'45	26°46	25°24	21°45	21°59	4°15	11°12	15°51	7°23	9°34	9° 4	10°29	14°42	20°49	S 25
M26	10 48 7	13°54'29	8♉34	25° 5	22°11	21°37	4°18	11°16	15°50	7°24	9°33	9° 5	10°26	14°48	20°52	M26
T 27	10 52 4	14°54'11	20°26	24°52	22°36	21°15	4°21	11°21	15°49	7°26	9°31	9° 7	10°23	14°55	20°56	T 27
W28	10 56 0	15°53'51	2♊29	24°45	22°58	20°52	4°24	11°25	15°48	7°27	9°29	9° 8	10°20	15° 2	21° 0	W28
T 29	10 59 57	16♓53'29	14♊46	24°D45	23♈18	20♍29	4♐27	11♑29	15♏47	7♉29	9♍28	9°R 9	10♈17	15♈ 8	21♑ 3	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s14	25n42	4n16	7s45	1n24	4n 0	2n12	4n11	3n42	19s50	0n51	22s46	0n28	16s19	0n21	12n10	1s49	21n56	15n23	4n 7	4n40	4n48	16s 3	6n11
F 2	14 55	27 53	4 47	7 14	1 39	4 28	2 20	4 14	3 43	19 51	0 52	22 46	0 28	16 19	0 21	12 10	1 49	21 57	15 23	4 6	4 39	4 52	16 2	6 11
S 3	14 36	28 36	5 5	6 47	1 55	4 56	2 28	4 18	3 44	19 53	0 52	22 46	0 28	16 19	0 21	12 11	1 49	21 58	15 23	4 4	4 38	4 55	16 2	6 11
S 4	14 16	27 40	5 6	6 23	2 11	5 23	2 35	4 23	3 45	19 54	0 52	22 45	0 27	16 19	0 21	12 11	1 49	21 59	15 23	4 1	4 36	4 58	16 1	6 12
M 5	13 57	25 0	4 50	6 3	2 26	5 51	2 43	4 27	3 46	19 55	0 52	22 45	0 27	16 20	0 21	12 11	1 49	21 59	15 24	3 58	4 35	5 2	16 0	6 12
T 6	13 37	20 44	4 15	5 48	2 40	6 18	2 51	4 32	3 47	19 56	0 52	22 44	0 27	16 20	0 21	12 12	1 49	22 0	15 24	3 55	4 34	5 5	15 59	6 12
W 7	13 17	15 9	3 23	5 37	2 53	6 44	2 59	4 37	3 48	19 58	0 52	22 44	0 27	16 20	0 21	12 12	1 49	22 1	15 24	3 52	4 33	5 9	15 58	6 12
T 8	12 56	8 37	2 17	5 31	3 6	7 11	3 7	4 43	3 49	19 59	0 52	22 44	0 27	16 20	0 21	12 12	1 49	22 2	15 24	3 50	4 31	5 12	15 57	6 13
F 9	12 36	1 36	1 1	5 29	3 17	7 37	3 15	4 48	3 50	20 0	0 52	22 43	0 27	16 20	0 21	12 13	1 49	22 2	15 24	3 49	4 30	5 15	15 56	6 13
S 10	12 15	5s28	0s19	5 32	3 26	8 3	3 23	4 54	3 50	20 1	0 52	22 43	0 27	16 20	0 21	12 13	1 49	22 3	15 25	3 49	4 29	5 19	15 55	6 13
S 11	11 54	12 10	1 36	5 40	3 34	8 28	3 31	5 0	3 51	20 2	0 52	22 43	0 27	16 20	0 21	12 13	1 49	22 4	15 25	3 49	4 28	5 22	15 54	6 14
M12	11 33	18 7	2 47	5 52	3 40	8 53	3 39	5 7	3 52	20 3	0 52	22 42	0 27	16 20	0 21	12 14	1 49	22 5	15 25	3 50	4 26	5 26	15 53	6 14
T 13	11 12	22 59	3 46	6 7	3 43	9 18	3 48	5 13	3 52	20 4	0 52	22 42	0 27	16 20	0 21	12 14	1 49	22 6	15 25	3 50	4 25	5 29	15 52	6 14
W14	10 50	26 27	4 30	6 26	3 45	9 42	3 56	5 20	3 53	20 5	0 52	22 41	0 27	16 20	0 21	12 15	1 49	22 6	15 25	3 50	4 24	5 32	15 52	6 15
T 15	10 28	28 20	4 59	6 48	3 44	10 6	4 4	5 27	3 53	20 6	0 52	22 41	0 27	16 20	0 21	12 15	1 48	22 7	15 25	3 50	4 23	5 36	15 51	6 15
F 16	10 7	28 34	5 11	7 13	3 42	10 29	4 13	5 34	3 54	20 7	0 53	22 41	0 27	16 20	0 21	12 16	1 48	22 8	15 25	3 48	4 21	5 39	15 50	6 15
S 17	9 45	27 11	5 7	7 39	3 37	10 52	4 21	5 42	3 54	20 7	0 53	22 40	0 27	16 20	0 21	12 16	1 48	22 8	15 25	3 46	4 20	5 43	15 49	6 16
S 18	9 23	24 25	4 47	8 6	3 31	11 14	4 29	5 49	3 54	20 8	0 53	22 40	0 27	16 20	0 21	12 16	1 48	22 9	15 26	3 44	4 19	5 46	15 48	6 16
M19	9 0	20 32	4 14	8 34	3 22	11 36	4 38	5 57	3 54	20 9	0 53	22 40	0 27	16 19	0 21	12 17	1 48	22 10	15 26	3 42	4 18	5 49	15 47	6 16
T 20	8 38	15 49	3 30	9 2	3 12	11 57	4 46	6 5	3 54	20 10	0 53	22 39	0 27	16 19	0 21	12 17	1 48	22 11	15 26	3 39	4 16	5 53	15 46	6 17
W21	8 16	10 33	2 36	9 29	3 1	12 18	4 55	6 13	3 54	20 10	0 53	22 39	0 27	16 19	0 21	12 18	1 48	22 11	15 26	3 38	4 15	5 56	15 45	6 17
T 22	7 53	4 57	1 36	9 55	2 49	12 38	5 3	6 21	3 54	20 11	0 53	22 39	0 27	16 19	0 21	12 18	1 48	22 12	15 26	3 37	4 14	6 0	15 44	6 17
F 23	7 30	0n46	0 32	10 20	2 36	12 58	5 11	6 29	3 54	20 12	0 53	22 38	0 27	16 19	0 22	12 19	1 48	22 13	15 26	3 36	4 13	6 3	15 43	6 18
S 24	7 7	6 26	0n33	10 44	2 22	13 16	5 20	6 37	3 54	20 12	0 53	22 38	0 27	16 19	0 22	12 19	1 48	22 13	15 26	3 36	4 11	6 6	15 42	6 18
S 25	6 44	11 51	1 36	11 6	2 8	13 35	5 28	6 46	3 53	20 13	0 53	22 38	0 27	16 19	0 22	12 20	1 48	22 14	15 26	3 36	4 10	6 10	15 41	6 18
M26	6 21	16 52	2 35	11 26	1 54	13 52	5 36	6 54	3 53	20 13	0 53	22 37	0 27	16 18	0 22	12 20	1 48	22 15	15 26	3 37	4 9	6 13	15 40	6 19
T 27	5 58	21 17	3 29	11 44	1 39	14 9	5 44	7 2	3 52	20 14	0 53	22 37	0 27	16 18	0 22	12 21	1 48	22 15	15 26	3 38	4 8	6 17	15 39	6 19
W28	5 35	24 53	4 14	12 0	1 24	14 25	5 52	7 11	3 52	20 14	0 53	22 37	0 27	16 18	0 22	12 22	1 48	22 16	15 26	3 38	4 6	6 20	15 38	6 20
T 29	5s12	27n26	4n48	12s14	1n10	14n40	6n 0	7n19	3n51	20s15	0n53	22s36	0n26	16s18	0n22	12n22	1s48	22n17	15n26	3n39	4n 5	6n23	15s38	6n20

Julian Day Number = 2168154.5, Delta T = 12m33s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'14, Lahiri = 13°02'15 Julian Calendar 1 Feb. 1224 == Greg. Calendar 8 Feb. 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

MARCH 1224 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 3 53	17♓53'04	27♊23	24♒50	23♈37	20°R 6	4♐29	11♑33	15°R47	7♉30	9°R26	9°R 9	10♈14	15♈15	21♑ 7	F 1
S 2	11 7 50	18°52'37	10♋23	25° 1	23°53	19♍42	4°32	11°37	15♏46	7°32	9♍25	9♈ 8	10°10	15°22	21°10	S 2
S 3	11 11 47	19°52'07	23°49	25°17	24° 8	19°19	4°34	11°41	15°45	7°34	9°23	9° 6	10° 7	15°28	21°14	S 3
M 4	11 15 43	20°51'35	7♌42	25°39	24°20	18°56	4°36	11°45	15°44	7°35	9°21	9° 3	10° 4	15°35	21°17	M 4
T 5	11 19 40	21°51'01	22° 3	26° 5	24°30	18°32	4°38	11°49	15°43	7°37	9°20	9° 1	10° 1	15°42	21°21	T 5
W 6	11 23 36	22°50'25	6♍46	26°36	24°38	18° 9	4°39	11°53	15°41	7°39	9°18	8°59	9°58	15°48	21°24	W 6
T 7	11 27 33	23°49'46	21°46	27°11	24°43	17°46	4°41	11°56	15°40	7°40	9°17	8°57	9°54	15°55	21°27	T 7
F 8	11 31 29	24°49'05	6♎53	27°50	24°47	17°23	4°42	12° 0	15°39	7°42	9°15	8°D57	9°51	16° 1	21°30	F 8
S 9	11 35 26	25°48'22	21°59	28°33	24°R47	17° 0	4°43	12° 4	15°38	7°44	9°14	8°57	9°48	16° 8	21°33	S 9
S 10	11 39 22	26°47'38	6♏55	29°20	24°46	16°37	4°44	12° 7	15°36	7°46	9°12	8°58	9°45	16°15	21°36	S 10
M11	11 43 19	27°46'51	21°34	0♓10	24°42	16°15	4°44	12°10	15°35	7°47	9°11	8°59	9°42	16°21	21°39	M11
T 12	11 47 16	28°46'03	5♐52	1° 3	24°35	15°52	4°45	12°14	15°34	7°49	9° 9	9° 0	9°39	16°28	21°42	T 12
W13	11 51 12	29°45'13	19°47	1°59	24°26	15°31	4°45	12°17	15°32	7°51	9° 8	9° 0	9°35	16°35	21°45	W13
T 14	11 55 9	0♈44'21	3♑17	2°58	24°15	15° 9	4°R45	12°20	15°31	7°53	9° 6	9°R 0	9°32	16°41	21°48	T 14
F 15	11 59 5	1°43'28	16°26	4° 0	24° 1	14°48	4°45	12°23	15°29	7°55	9° 5	9° 0	9°29	16°48	21°50	F 15
S 16	12 3 2	2°42'32	29°15	5° 5	23°44	14°27	4°45	12°26	15°28	7°57	9° 3	9° 0	9°26	16°55	21°53	S 16
S 17	12 6 58	3°41'35	11♒47	6°11	23°25	14° 7	4°45	12°29	15°26	7°59	9° 2	8°59	9°23	17° 1	21°56	S 17
M18	12 10 55	4°40'36	24° 5	7°21	23° 4	13°48	4°44	12°31	15°24	8° 1	9° 0	8°58	9°20	17° 8	21°58	M18
T 19	12 14 51	5°39'35	6♓12	8°32	22°41	13°29	4°43	12°34	15°23	8° 2	8°59	8°58	9°16	17°15	22° 1	T 19
W20	12 18 48	6°38'32	18°10	9°46	22°15	13°10	4°42	12°36	15°21	8° 4	8°58	8°57	9°13	17°21	22° 3	W20
T 21	12 22 45	7°37'26	0♈ 3	11° 2	21°48	12°52	4°41	12°39	15°19	8° 6	8°56	8°57	9°10	17°28	22° 5	T 21
F 22	12 26 41	8°36'19	11°52	12°20	21°18	12°35	4°39	12°41	15°17	8° 8	8°55	8°57	9° 7	17°35	22° 7	F 22
S 23	12 30 38	9°35'10	23°39	13°39	20°47	12°19	4°38	12°44	15°15	8°10	8°54	8°57	9° 4	17°41	22°10	S 23
S 24	12 34 34	10°33'59	5♉27	15° 1	20°14	12° 3	4°36	12°46	15°14	8°13	8°52	8°57	9° 0	17°48	22°12	S 24
M25	12 38 31	11°32'46	17°18	16°25	19°40	11°48	4°34	12°48	15°12	8°15	8°51	8°57	8°57	17°54	22°14	M25
T 26	12 42 27	12°31'30	29°15	17°50	19° 5	11°33	4°32	12°50	15°10	8°17	8°50	8°57	8°54	18° 1	22°16	T 26
W27	12 46 24	13°30'13	11♊21	19°17	18°28	11°20	4°30	12°52	15° 8	8°19	8°48	8°56	8°51	18° 8	22°18	W27
T 28	12 50 20	14°28'53	23°40	20°46	17°51	11° 7	4°27	12°53	15° 6	8°21	8°47	8°56	8°48	18°14	22°19	T 28
F 29	12 54 17	15°27'31	6♋15	22°17	17°14	10°55	4°24	12°55	15° 4	8°23	8°46	8°55	8°45	18°21	22°21	F 29
S 30	12 58 14	16°26'07	19°10	23°49	16°36	10°43	4°22	12°57	15° 2	8°25	8°45	8°D55	8°41	18°28	22°23	S 30
S 31	13 2 10	17♈24'41	2♌28	25♓23	15♈58	10♍33	4♐19	12♑58	14♏59	8♉27	8♍44	8♈55	8♈38	18♈34	22♑24	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s49	28n40	5n 9	12s26	0n56	14n54	6n 8	7n28	3n50	20s15	0n54	22s36	0n26	16s17	0n22	12n23	1s48	22n17	15n26	3n38	4n 4	6n27	15s37	6n20
S 2	4 25	28 23	5 16	12 35	0 42	15 7	6 16	7 36	3 49	20 16	0 54	22 36	0 26	16 17	0 22	12 23	1 48	22 18	15 26	3 38	4 3	6 30	15 36	6 21
S 3	4 2	26 27	5 5	12 43	0 28	15 20	6 23	7 44	3 48	20 16	0 54	22 35	0 26	16 17	0 22	12 24	1 48	22 18	15 26	3 37	4 1	6 34	15 35	6 21
M 4	3 38	22 53	4 37	12 48	0 15	15 31	6 31	7 52	3 47	20 16	0 54	22 35	0 26	16 16	0 22	12 24	1 48	22 19	15 26	3 36	4 0	6 37	15 34	6 22
T 5	3 15	17 52	3 51	12 51	0 2	15 41	6 38	8 1	3 46	20 16	0 54	22 35	0 26	16 16	0 22	12 25	1 47	22 19	15 26	3 35	3 59	6 40	15 33	6 22
W 6	2 51	11 41	2 49	12 52	0s11	15 51	6 45	8 9	3 44	20 17	0 54	22 34	0 26	16 16	0 22	12 26	1 47	22 20	15 26	3 34	3 58	6 44	15 32	6 23
T 7	2 28	4 43	1 34	12 51	0 23	15 59	6 51	8 16	3 43	20 17	0 54	22 34	0 26	16 15	0 22	12 26	1 47	22 21	15 26	3 34	3 56	6 47	15 31	6 23
F 8	2 4	2s34	0 11	12 49	0 34	16 6	6 58	8 24	3 41	20 17	0 54	22 34	0 26	16 15	0 22	12 27	1 47	22 21	15 26	3 34	3 55	6 51	15 30	6 23
S 9	1 40	9 42	1s12	12 44	0 45	16 12	7 4	8 32	3 40	20 17	0 54	22 34	0 26	16 15	0 22	12 27	1 47	22 22	15 26	3 34	3 54	6 54	15 29	6 24
S 10	1 17	16 14	2 29	12 37	0 56	16 16	7 9	8 39	3 38	20 17	0 54	22 33	0 26	16 14	0 22	12 28	1 47	22 22	15 26	3 34	3 53	6 57	15 28	6 24
M11	0 53	21 42	3 35	12 29	1 6	16 20	7 15	8 46	3 36	20 17	0 54	22 33	0 26	16 14	0 22	12 29	1 47	22 23	15 26	3 34	3 51	7 1	15 28	6 25
T 12	0 30	25 45	4 26	12 19	1 15	16 22	7 19	8 53	3 35	20 17	0 54	22 33	0 26	16 13	0 22	12 29	1 47	22 23	15 25	3 35	3 50	7 4	15 27	6 25
W13	0 6	28 8	5 0	12 7	1 24	16 22	7 24	9 0	3 33	20 17	0 54	22 32	0 26	16 13	0 22	12 30	1 47	22 24	15 25	3 35	3 49	7 7	15 26	6 26
T 14	0n18	28 46	5 16	11 53	1 32	16 21	7 27	9 7	3 31	20 17	0 54	22 32	0 26	16 13	0 22	12 31	1 47	22 24	15 25	3 35	3 48	7 11	15 25	6 26
F 15	0 41	27 44	5 15	11 38	1 40	16 19	7 31	9 13	3 29	20 17	0 55	22 32	0 26	16 12	0 22	12 31	1 47	22 25	15 25	3 35	3 46	7 14	15 24	6 27
S 16	1 5	25 15	4 58	11 21	1 47	16 15	7 33	9 19	3 26	20 17	0 55	22 32	0 26	16 12	0 22	12 32	1 47	22 25	15 25	3 35	3 45	7 18	15 23	6 27
S 17	1 28	21 36	4 27	11 3	1 54	16 10	7 36	9 25	3 24	20 17	0 55	22 32	0 26	16 11	0 22	12 32	1 47	22 25	15 25	3 34	3 44	7 21	15 22	6 27
M18	1 52	17 5	3 44	10 42	2 0	16 4	7 37	9 30	3 22	20 17	0 55	22 31	0 26	16 11	0 22	12 33	1 47	22 26	15 25	3 34	3 43	7 24	15 21	6 28
T 19	2 15	11 57	2 52	10 21	2 6	15 55	7 38	9 36	3 20	20 16	0 55	22 31	0 26	16 10	0 22	12 34	1 47	22 26	15 25	3 34	3 41	7 28	15 21	6 28
W20	2 39	6 26	1 53	9 58	2 11	15 46	7 38	9 40	3 17	20 16	0 55	22 31	0 26	16 10	0 22	12 34	1 47	22 27	15 24	3 34	3 40	7 31	15 20	6 29
T 21	3 2	0 44	0 49	9 33	2 16	15 35	7 37	9 45	3 15	20 16	0 55	22 31	0 26	16 9	0 22	12 35	1 47	22 27	15 24	3 34	3 39	7 34	15 19	6 29
F 22	3 26	4n57	0n16	9 7	2 20	15 22	7 35	9 50	3 13	20 16	0 55	22 30	0 26	16 9	0 22	12 36	1 47	22 27	15 24	3 34	3 38	7 38	15 18	6 30
S 23	3 49	10 28	1 21	8 39	2 23	15 8	7 33	9 54	3 10	20 15	0 55	22 30	0 26	16 8	0 22	12 36	1 47	22 28	15 24	3 34	3 36	7 41	15 17	6 30
S 24	4 12	15 37	2 22	8 10	2 26	14 52	7 30	9 57	3 8	20 15	0 55	22 30	0 26	16 8	0 22	12 37	1 47	22 28	15 24	3 34	3 35	7 44	15 16	6 31
M25	4 35	20 13	3 17	7 40	2 29	14 35	7 26	10 1	3 5	20 15	0 55	22 30	0 26	16 7	0 22	12 38	1 47	22 28	15 23	3 34	3 34	7 48	15 16	6 31
T 26	4 58	24 3	4 5	7 8	2 31	14 17	7 21	10 4	3 2	20 14	0 55	22 30	0 26	16 6	0 22	12 39	1 47	22 29	15 23	3 34	3 33	7 51	15 15	6 32
W27	5 21	26 53	4 42	6 35	2 32	13 58	7 15	10 7	3 0	20 14	0 55	22 30	0 26	16 6	0 22	12 39	1 47	22 29	15 23	3 33	3 31	7 54	15 14	6 32
T 28	5 44	28 29	5 6	6 1	2 33	13 37	7 9	10 9	2 57	20 13	0 55	22 30	0 25	16 5	0 22	12 40	1 47	22 29	15 23	3 33	3 30	7 58	15 13	6 33
F 29	6 7	28 40	5 17	5 25	2 34	13 16	7 1	10 12	2 54	20 13	0 55	22 29	0 25	16 5	0 22	12 41	1 47	22 30	15 23	3 33	3 29	8 1	15 12	6 33
S 30	6 29	27 19	5 12	4 49	2 33	12 54	6 53	10 13	2 52	20 12	0 55	22 29	0 25	16 4	0 22	12 41	1 47	22 30	15 22	3 33	3 28	8 5	15 12	6 34
S 31	6n52	24n25	4n51	4s11	2s33	12n31	6n44	10n15	2n49	20s11	0n55	22s29	0n25	16s 3	0n22	12n42	1s47	22n30	15n22	3n33	3n26	8n 8	15s11	6n34

Julian Day Number = 2168183.5, Delta T = 12m33s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'18, Lahiri = 13°02'19 Julian Calendar 1 March 1224 == Greg. Calendar 8 March 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

APRIL 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 6 7	18♈23'12	16♌12	26♓59	15°R20	10°R23	4°R15	13♉ 0	14°R57	8♉29	8°R42	8♈56	8♈35	18♈41	22♉26	M 1
T 2	13 10 3	19°21'41	0♍22	28°37	14♈43	10♍14	4♐12	13° 1	14♏55	8°31	8♍41	8°57	8°32	18°48	22°27	T 2
W 3	13 14 0	20°20'08	14°57	0♈16	14° 6	10° 6	4° 8	13° 2	14°53	8°34	8°40	8°58	8°29	18°54	22°29	W 3
T 4	13 17 56	21°18'32	29°52	1°57	13°31	9°58	4° 5	13° 3	14°51	8°36	8°39	8°58	8°26	19° 1	22°30	T 4
F 5	13 21 53	22°16'55	15♎ 1	3°40	12°56	9°52	4° 1	13° 4	14°49	8°38	8°38	8°R58	8°22	19° 8	22°31	F 5
S 6	13 25 49	23°15'16	0♏14	5°24	12°23	9°46	3°57	13° 5	14°46	8°40	8°37	8°58	8°19	19°14	22°33	S 6
S 7	13 29 46	24°13'35	15°23	7°10	11°52	9°41	3°53	13° 6	14°44	8°42	8°36	8°56	8°16	19°21	22°34	S 7
M 8	13 33 42	25°11'52	0♐17	8°58	11°23	9°37	3°48	13° 7	14°42	8°44	8°35	8°54	8°13	19°28	22°35	M 8
T 9	13 37 39	26°10'08	14°50	10°47	10°55	9°33	3°44	13° 8	14°39	8°47	8°34	8°52	8°10	19°34	22°36	T 9
W10	13 41 36	27° 8'22	28°57	12°38	10°29	9°31	3°39	13° 8	14°37	8°49	8°33	8°50	8° 6	19°41	22°36	W10
T 11	13 45 32	28° 6'34	12♑37	14°31	10° 6	9°29	3°34	13° 9	14°35	8°51	8°32	8°49	8° 3	19°47	22°37	T 11
F 12	13 49 29	29° 4'46	25°49	16°26	9°45	9°27	3°29	13° 9	14°32	8°53	8°31	8°D48	8° 0	19°54	22°38	F 12
S 13	13 53 25	0♉ 2'55	8♒37	18°22	9°26	9°D27	3°24	13° 9	14°30	8°56	8°30	8°48	7°57	20° 1	22°39	S 13
S 14	13 57 22	1° 1'03	21° 4	20°20	9° 9	9°27	3°19	13° 9	14°28	8°58	8°29	8°49	7°54	20° 7	22°39	S 14
M15	14 1 18	1°59'10	3♓16	22°20	8°55	9°28	3°13	13°R 9	14°25	9° 0	8°29	8°51	7°51	20°14	22°40	M15
T 16	14 5 15	2°57'15	15°15	24°22	8°43	9°30	3° 8	13° 9	14°23	9° 2	8°28	8°52	7°47	20°21	22°40	T 16
W17	14 9 11	3°55'18	27° 7	26°25	8°34	9°33	3° 2	13° 9	14°20	9° 5	8°27	8°54	7°44	20°27	22°41	W17
T 18	14 13 8	4°53'20	8♈54	28°29	8°27	9°36	2°56	13° 9	14°18	9° 7	8°26	8°R54	7°41	20°34	22°41	T 18
F 19	14 17 5	5°51'21	20°41	0♉35	8°23	9°40	2°50	13° 9	14°15	9° 9	8°26	8°54	7°38	20°41	22°41	F 19
S 20	14 21 1	6°49'20	2♉29	2°42	8°D21	9°45	2°44	13° 8	14°13	9°11	8°25	8°52	7°35	20°47	22°41	S 20
S 21	14 24 58	7°47'17	14°21	4°50	8°21	9°50	2°38	13° 8	14°10	9°14	8°24	8°48	7°31	20°54	22°R41	S 21
M22	14 28 54	8°45'13	26°19	7° 0	8°24	9°56	2°32	13° 7	14° 8	9°16	8°24	8°44	7°28	21° 1	22°41	M22
T 23	14 32 51	9°43'07	8♊25	9°10	8°29	10° 3	2°25	13° 6	14° 5	9°18	8°23	8°39	7°25	21° 7	22°41	T 23
W24	14 36 47	10°41'00	20°41	11°20	8°36	10°10	2°19	13° 5	14° 3	9°20	8°22	8°33	7°22	21°14	22°41	W24
T 25	14 40 44	11°38'51	3♋ 8	13°31	8°46	10°19	2°12	13° 5	14° 0	9°23	8°22	8°28	7°19	21°21	22°41	T 25
F 26	14 44 40	12°36'40	15°48	15°42	8°57	10°27	2° 5	13° 4	13°58	9°25	8°21	8°24	7°16	21°27	22°40	F 26
S 27	14 48 37	13°34'28	28°45	17°53	9°11	10°37	1°59	13° 2	13°55	9°27	8°21	8°22	7°12	21°34	22°40	S 27
S 28	14 52 34	14°32'14	12♌ 0	20° 3	9°26	10°47	1°52	13° 1	13°53	9°29	8°20	8°D21	7° 9	21°41	22°40	S 28
M29	14 56 30	15°29'58	25°36	22°13	9°44	10°57	1°45	13° 0	13°50	9°32	8°20	8°21	7° 6	21°47	22°39	M29
T 30	15 0 27	16♉27'40	9♍33	24♉21	10♈ 3	11♍ 8	1♐38	12♑59	13♏48	9♉34	8♍20	8♈22	7♈ 3	21♈54	22♉38	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n14	20n 4	4n13	3s31	2s32	12n 7	6n35	10n16	2n46	20s11	0n55	22s29	0n25	16s 3	0n22	12n43	1s47	22n30	15n22	3n33	3n25	8n11	15s10	6n35
T 2	7 37	14 29	3 18	2 51	2 30	11 43	6 24	10 17	2 44	20 10	0 55	22 29	0 25	16 2	0 22	12 43	1 47	22 30	15 22	3 34	3 24	8 15	15 9	6 35
W 3	7 59	7 57	2 9	2 9	2 28	11 19	6 13	10 18	2 41	20 9	0 55	22 29	0 25	16 2	0 22	12 44	1 47	22 31	15 21	3 34	3 23	8 18	15 9	6 36
T 4	8 21	0 49	0 50	1 26	2 25	10 54	6 2	10 18	2 38	20 9	0 55	22 29	0 25	16 1	0 22	12 45	1 46	22 31	15 21	3 34	3 21	8 21	15 8	6 36
F 5	8 43	6s27	0s33	0 42	2 22	10 29	5 50	10 18	2 36	20 8	0 56	22 29	0 25	16 0	0 22	12 46	1 46	22 31	15 21	3 34	3 20	8 25	15 7	6 37
S 6	9 4	13 24	1 55	0n 3	2 18	10 5	5 37	10 18	2 33	20 7	0 56	22 29	0 25	16 0	0 22	12 46	1 46	22 31	15 20	3 34	3 19	8 28	15 7	6 37
S 7	9 26	19 31	3 8	0 49	2 14	9 40	5 24	10 17	2 30	20 6	0 56	22 29	0 25	15 59	0 22	12 47	1 46	22 31	15 20	3 33	3 18	8 31	15 6	6 38
M 8	9 47	24 20	4 7	1 36	2 9	9 17	5 11	10 16	2 27	20 6	0 56	22 29	0 25	15 58	0 22	12 48	1 46	22 31	15 20	3 33	3 16	8 35	15 5	6 39
T 9	10 9	27 28	4 49	2 24	2 3	8 53	4 57	10 15	2 25	20 5	0 56	22 29	0 25	15 58	0 22	12 48	1 46	22 32	15 20	3 32	3 15	8 38	15 5	6 39
W10	10 30	28 44	5 11	3 13	1 58	8 30	4 43	10 14	2 22	20 4	0 56	22 29	0 25	15 57	0 22	12 49	1 46	22 32	15 19	3 31	3 14	8 41	15 4	6 40
T 11	10 51	28 10	5 15	4 2	1 51	8 8	4 29	10 12	2 19	20 3	0 56	22 29	0 25	15 56	0 22	12 50	1 46	22 32	15 19	3 31	3 12	8 45	15 3	6 40
F 12	11 12	26 1	5 2	4 53	1 44	7 47	4 15	10 10	2 17	20 2	0 56	22 29	0 25	15 55	0 22	12 51	1 46	22 32	15 19	3 30	3 11	8 48	15 3	6 41
S 13	11 32	22 36	4 34	5 44	1 37	7 26	4 1	10 8	2 14	20 1	0 56	22 29	0 25	15 55	0 22	12 51	1 46	22 32	15 18	3 30	3 10	8 51	15 2	6 41
S 14	11 53	18 14	3 54	6 36	1 29	7 7	3 47	10 5	2 11	20 0	0 56	22 29	0 25	15 54	0 22	12 52	1 46	22 32	15 18	3 31	3 9	8 55	15 1	6 42
M15	12 13	13 13	3 4	7 29	1 21	6 48	3 33	10 2	2 9	19 59	0 56	22 29	0 25	15 53	0 22	12 53	1 46	22 32	15 18	3 31	3 7	8 58	15 1	6 42
T 16	12 33	7 47	2 7	8 22	1 12	6 31	3 18	9 59	2 6	19 58	0 56	22 29	0 25	15 53	0 22	12 53	1 46	22 32	15 17	3 32	3 6	9 1	15 0	6 43
W17	12 53	2 8	1 5	9 15	1 3	6 14	3 5	9 56	2 4	19 57	0 56	22 29	0 25	15 52	0 22	12 54	1 46	22 32	15 17	3 32	3 5	9 5	15 0	6 43
T 18	13 12	3n33	0 0	10 9	0 54	5 59	2 51	9 52	2 1	19 56	0 56	22 29	0 25	15 51	0 22	12 55	1 46	22 32	15 17	3 33	3 4	9 8	14 59	6 44
F 19	13 32	9 6	1n 4	11 2	0 44	5 45	2 37	9 48	1 59	19 54	0 56	22 29	0 25	15 50	0 22	12 56	1 46	22 32	15 16	3 32	3 2	9 11	14 59	6 44
S 20	13 51	14 21	2 6	11 56	0 34	5 31	2 24	9 44	1 56	19 53	0 56	22 29	0 25	15 50	0 22	12 56	1 46	22 32	15 16	3 32	3 1	9 14	14 58	6 45
S 21	14 10	19 7	3 2	12 49	0 24	5 20	2 10	9 40	1 54	19 52	0 56	22 29	0 25	15 49	0 22	12 57	1 46	22 32	15 16	3 30	3 0	9 18	14 58	6 45
M22	14 29	23 9	3 51	13 42	0 14	5 9	1 58	9 35	1 51	19 51	0 56	22 29	0 24	15 48	0 22	12 58	1 46	22 32	15 15	3 29	2 59	9 21	14 57	6 46
T 23	14 47	26 15	4 30	14 34	0 3	4 59	1 45	9 31	1 49	19 50	0 55	22 29	0 24	15 48	0 22	12 59	1 46	22 31	15 15	3 26	2 57	9 24	14 57	6 46
W24	15 6	28 9	4 57	15 25	0n 7	4 50	1 32	9 25	1 46	19 48	0 55	22 29	0 24	15 47	0 22	12 59	1 46	22 31	15 14	3 24	2 56	9 28	14 56	6 47
T 25	15 24	28 41	5 11	16 15	0 18	4 43	1 20	9 20	1 44	19 47	0 55	22 30	0 24	15 46	0 22	13 0	1 46	22 31	15 14	3 22	2 55	9 31	14 56	6 47
F 26	15 41	27 43	5 9	17 4	0 29	4 37	1 9	9 15	1 42	19 46	0 55	22 30	0 24	15 45	0 22	13 1	1 46	22 31	15 14	3 21	2 54	9 34	14 55	6 48
S 27	15 59	25 16	4 53	17 51	0 39	4 32	0 57	9 9	1 39	19 45	0 55	22 30	0 24	15 45	0 22	13 1	1 46	22 31	15 13	3 20	2 52	9 38	14 55	6 48
S 28	16 16	21 25	4 20	18 37	0 49	4 27	0 46	9 3	1 37	19 43	0 55	22 30	0 24	15 44	0 22	13 2	1 46	22 31	15 13	3 19	2 51	9 41	14 54	6 49
M29	16 33	16 22	3 32	19 21	0 59	4 24	0 35	8 57	1 35	19 42	0 55	22 30	0 24	15 43	0 22	13 3	1 46	22 31	15 13	3 19	2 50	9 44	14 54	6 49
T 30	16n50	10n21	2n31	20n 2	1n 8	4n22	0n24	8n50	1n32	19s41	0n55	22s30	0n24	15s42	0n22	13n 4	1s46	22n30	15n12	3n20	2n49	9n48	14s53	6n50

Julian Day Number = 2168214.5, Delta T = 12m33s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'22, Lahiri = 13°02'23 Julian Calendar 1 Apr. 1224 == Greg. Calendar 8 Apr. 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

MAY 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 4 23	17♉25'21	23♍53	26♉28	10♈24	11♍20	1°R31	12°R57	13°R45	9♉36	8°R19	8♈23	7♈ 0	22♈ 0	22°R38	W 1
T 2	15 8 20	18°23'00	8♎32	28°33	10°47	11°33	1♐23	12♑56	13♏43	9°38	8♍19	8°R24	6°57	22° 7	22♑37	T 2
F 3	15 12 16	19°20'37	23°27	0♊37	11°11	11°45	1°16	12°54	13°40	9°40	8°19	8°23	6°53	22°14	22°36	F 3
S 4	15 16 13	20°18'13	8♏32	2°39	11°38	11°59	1° 9	12°52	13°38	9°43	8°18	8°21	6°50	22°20	22°35	S 4
S 5	15 20 9	21°15'48	23°37	4°38	12° 5	12°13	1° 1	12°50	13°35	9°45	8°18	8°16	6°47	22°27	22°34	S 5
M 6	15 24 6	22°13'22	8♐32	6°35	12°35	12°27	0°54	12°48	13°33	9°47	8°18	8°10	6°44	22°34	22°33	M 6
T 7	15 28 3	23°10'54	23°11	8°30	13° 5	12°42	0°46	12°46	13°30	9°49	8°18	8° 3	6°41	22°40	22°32	T 7
W 8	15 31 59	24° 8'26	7♑25	10°22	13°37	12°58	0°39	12°44	13°28	9°52	8°18	7°56	6°37	22°47	22°31	W 8
T 9	15 35 56	25° 5'57	21°11	12°11	14°11	13°14	0°31	12°42	13°26	9°54	8°18	7°51	6°34	22°54	22°30	T 9
F 10	15 39 52	26° 3'26	4♒29	13°58	14°46	13°30	0°24	12°40	13°23	9°56	8°17	7°47	6°31	23° 0	22°28	F 10
S 11	15 43 49	27° 0'55	17°20	15°42	15°22	13°47	0°16	12°38	13°21	9°58	8°17	7°45	6°28	23° 7	22°27	S 11
S 12	15 47 45	27°58'23	29°49	17°23	15°59	14° 5	0° 9	12°35	13°18	10° 0	8°D17	7°D44	6°25	23°14	22°26	S 12
M13	15 51 42	28°55'50	11♓59	19° 1	16°38	14°23	0° 1	12°33	13°16	10° 2	8°17	7°45	6°22	23°20	22°24	M13
T 14	15 55 39	29°53'17	23°57	20°36	17°17	14°41	29♏53	12°30	13°14	10° 5	8°17	7°46	6°18	23°27	22°23	T 14
W15	15 59 35	0♊50'42	5♈46	22° 9	17°58	15° 0	29°46	12°27	13°11	10° 7	8°17	7°R47	6°15	23°34	22°21	W15
T 16	16 3 32	1°48'07	17°33	23°38	18°39	15°19	29°38	12°25	13° 9	10° 9	8°18	7°46	6°12	23°40	22°19	T 16
F 17	16 7 28	2°45'31	29°20	25° 5	19°22	15°39	29°30	12°22	13° 7	10°11	8°18	7°44	6° 9	23°47	22°17	F 17
S 18	16 11 25	3°42'55	11♉12	26°28	20° 5	15°59	29°23	12°19	13° 4	10°13	8°18	7°39	6° 6	23°54	22°16	S 18
S 19	16 15 21	4°40'18	23°12	27°49	20°50	16°19	29°15	12°16	13° 2	10°15	8°18	7°32	6° 3	24° 0	22°14	S 19
M20	16 19 18	5°37'40	5♊20	29° 6	21°35	16°40	29° 8	12°13	13° 0	10°17	8°18	7°23	5°59	24° 7	22°12	M20
T 21	16 23 14	6°35'01	17°40	0♋20	22°21	17° 2	29° 0	12°10	12°57	10°19	8°19	7°12	5°56	24°13	22°10	T 21
W22	16 27 11	7°32'21	0♋10	1°31	23° 8	17°23	28°52	12° 7	12°55	10°21	8°19	7° 1	5°53	24°20	22° 8	W22
T 23	16 31 8	8°29'41	12°52	2°39	23°56	17°46	28°45	12° 3	12°53	10°23	8°19	6°51	5°50	24°27	22° 6	T 23
F 24	16 35 4	9°27'00	25°47	3°44	24°44	18° 8	28°38	12° 0	12°51	10°25	8°20	6°43	5°47	24°33	22° 3	F 24
S 25	16 39 1	10°24'18	8♌54	4°45	25°34	18°31	28°30	11°57	12°49	10°28	8°20	6°37	5°43	24°40	22° 1	S 25
S 26	16 42 57	11°21'35	22°14	5°42	26°24	18°54	28°23	11°53	12°47	10°30	8°20	6°33	5°40	24°47	21°59	S 26
M27	16 46 54	12°18'50	5♍49	6°36	27°14	19°18	28°16	11°50	12°45	10°32	8°21	6°31	5°37	24°53	21°57	M27
T 28	16 50 50	13°16'05	19°40	7°27	28° 5	19°42	28° 8	11°46	12°43	10°33	8°21	6°D31	5°34	25° 0	21°54	T 28
W29	16 54 47	14°13'20	3♎47	8°13	28°57	20° 6	28° 1	11°43	12°41	10°35	8°22	6°R32	5°31	25° 7	21°52	W29
T 30	16 58 43	15°10'33	18° 9	8°56	29°49	20°30	27°54	11°39	12°39	10°37	8°22	6°31	5°28	25°13	21°49	T 30
F 31	17 2 40	16♊ 7'45	2♏44	9♋35	0♉42	20♍55	27♏47	11♑35	12♏37	10♉39	8♍23	6♈29	5♈24	25♈20	21♑47	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 6	3n38	1n18	20n42	1n17	4n21	0n14	8n44	1n30	19s39	0n55	22s31	0n24	15s42	0n22	13n 4	1s46	22n30	15n12	3n20	2n47	9n51	14s53	6n50
T 2	17 22	3s25	0s 1	21 19	1 25	4 21	0 4	8 37	1 28	19 38	0 55	22 31	0 24	15 41	0 22	13 5	1 46	22 30	15 11	3 21	2 46	9 54	14 53	6 51
F 3	17 38	10 24	1 21	21 53	1 33	4 22	0s 6	8 30	1 26	19 36	0 55	22 31	0 24	15 40	0 22	13 6	1 46	22 30	15 11	3 20	2 45	9 57	14 52	6 51
S 4	17 54	16 52	2 36	22 25	1 40	4 23	0 15	8 23	1 23	19 35	0 55	22 31	0 24	15 39	0 22	13 6	1 46	22 29	15 11	3 19	2 44	10 1	14 52	6 52
S 5	18 9	22 19	3 40	22 55	1 47	4 26	0 24	8 15	1 21	19 33	0 55	22 31	0 24	15 39	0 22	13 7	1 46	22 29	15 10	3 18	2 42	10 4	14 52	6 52
M 6	18 24	26 15	4 29	23 21	1 53	4 29	0 33	8 8	1 19	19 32	0 55	22 32	0 24	15 38	0 21	13 8	1 46	22 29	15 10	3 15	2 41	10 7	14 51	6 53
T 7	18 39	28 20	4 58	23 46	1 58	4 34	0 41	8 0	1 17	19 31	0 55	22 32	0 24	15 37	0 21	13 8	1 46	22 28	15 9	3 12	2 40	10 11	14 51	6 53
W 8	18 53	28 28	5 9	24 7	2 3	4 39	0 49	7 52	1 15	19 29	0 55	22 32	0 24	15 36	0 21	13 9	1 46	22 28	15 9	3 10	2 38	10 14	14 51	6 54
T 9	19 7	26 49	5 0	24 26	2 6	4 44	0 57	7 44	1 13	19 28	0 54	22 32	0 24	15 36	0 21	13 10	1 46	22 28	15 9	3 8	2 37	10 17	14 50	6 54
F 10	19 21	23 41	4 36	24 43	2 9	4 51	1 5	7 36	1 11	19 26	0 54	22 33	0 24	15 35	0 21	13 10	1 46	22 27	15 8	3 6	2 36	10 20	14 50	6 55
S 11	19 35	19 29	3 58	24 57	2 11	4 58	1 12	7 28	1 9	19 25	0 54	22 33	0 24	15 34	0 21	13 11	1 46	22 27	15 8	3 5	2 35	10 24	14 50	6 55
S 12	19 48	14 33	3 10	25 9	2 13	5 6	1 19	7 19	1 7	19 23	0 54	22 33	0 24	15 34	0 21	13 12	1 46	22 27	15 7	3 5	2 33	10 27	14 50	6 56
M13	20 0	9 10	2 15	25 18	2 13	5 15	1 25	7 10	1 5	19 22	0 54	22 34	0 23	15 33	0 21	13 12	1 46	22 26	15 7	3 5	2 32	10 30	14 50	6 56
T 14	20 13	3 33	1 14	25 25	2 13	5 24	1 32	7 1	1 3	19 20	0 54	22 34	0 23	15 32	0 21	13 13	1 46	22 26	15 7	3 6	2 31	10 33	14 49	6 57
W15	20 25	2n 8	0 11	25 30	2 12	5 34	1 38	6 52	1 1	19 19	0 54	22 34	0 23	15 31	0 21	13 14	1 46	22 26	15 6	3 6	2 30	10 37	14 49	6 57
T 16	20 37	7 43	0n52	25 34	2 10	5 44	1 44	6 43	0 59	19 17	0 54	22 34	0 23	15 31	0 21	13 14	1 46	22 25	15 6	3 6	2 28	10 40	14 49	6 57
F 17	20 48	13 3	1 53	25 35	2 8	5 55	1 49	6 34	0 57	19 16	0 54	22 35	0 23	15 30	0 21	13 15	1 47	22 25	15 5	3 5	2 27	10 43	14 49	6 58
S 18	20 59	17 56	2 49	25 34	2 4	6 7	1 55	6 24	0 55	19 14	0 53	22 35	0 23	15 29	0 21	13 16	1 47	22 24	15 5	3 3	2 26	10 46	14 49	6 58
S 19	21 10	22 10	3 39	25 32	2 0	6 19	2 0	6 14	0 54	19 13	0 53	22 35	0 23	15 29	0 21	13 16	1 47	22 24	15 4	3 0	2 25	10 50	14 49	6 59
M20	21 20	25 31	4 18	25 28	1 56	6 31	2 5	6 5	0 52	19 11	0 53	22 36	0 23	15 28	0 21	13 17	1 47	22 23	15 4	2 56	2 23	10 53	14 48	6 59
T 21	21 30	27 43	4 47	25 22	1 50	6 44	2 9	5 55	0 50	19 10	0 53	22 36	0 23	15 27	0 21	13 18	1 47	22 23	15 4	2 52	2 22	10 56	14 48	7 0
W22	21 40	28 34	5 2	25 16	1 44	6 57	2 14	5 45	0 48	19 8	0 53	22 36	0 23	15 27	0 21	13 18	1 47	22 22	15 3	2 48	2 21	10 59	14 48	7 0
T 23	21 49	27 56	5 2	25 7	1 36	7 11	2 18	5 34	0 47	19 7	0 53	22 37	0 23	15 26	0 21	13 19	1 47	22 22	15 3	2 44	2 20	11 3	14 48	7 0
F 24	21 58	25 47	4 47	24 58	1 29	7 25	2 22	5 24	0 45	19 5	0 53	22 37	0 23	15 25	0 21	13 19	1 47	22 21	15 2	2 41	2 18	11 6	14 48	7 1
S 25	22 6	22 15	4 17	24 47	1 20	7 40	2 26	5 13	0 43	19 4	0 52	22 38	0 23	15 25	0 21	13 20	1 47	22 21	15 2	2 38	2 17	11 9	14 48	7 1
S 26	22 14	17 31	3 33	24 36	1 11	7 54	2 29	5 3	0 41	19 2	0 52	22 38	0 23	15 24	0 21	13 21	1 47	22 20	15 2	2 37	2 16	11 12	14 48	7 2
M27	22 22	11 50	2 36	24 23	1 1	8 9	2 33	4 52	0 40	19 1	0 52	22 38	0 23	15 24	0 21	13 21	1 47	22 20	15 1	2 36	2 14	11 16	14 48	7 2
T 28	22 29	5 28	1 29	24 10	0 50	8 25	2 36	4 41	0 38	18 59	0 52	22 39	0 23	15 23	0 21	13 22	1 47	22 19	15 1	2 36	2 13	11 19	14 48	7 2
W29	22 36	1s17	0 15	23 56	0 39	8 40	2 39	4 30	0 36	18 58	0 52	22 39	0 22	15 22	0 21	13 22	1 47	22 19	15 0	2 36	2 12	11 22	14 48	7 3
T 30	22 43	8 6	1s 1	23 41	0 27	8 56	2 42	4 19	0 35	18 56	0 52	22 39	0 22	15 22	0 21	13 23	1 47	22 18	15 0	2 36	2 11	11 25	14 48	7 3
F 31	22n49	14s35	2s15	23n26	0n14	9n12	2s44	4n 7	0n33	18s55	0n51	22s40	0n22	15s21	0n21	13n23	1s47	22n17	14n59	2n35	2n 9	11n29	14s48	7n 3

Julian Day Number = 2168244.5, Delta T = 12m33s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'26, Lahiri = 13°02'27 Julian Calendar 1 May 1224 == Greg. Calendar 8 May 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

JUNE 1224 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 37	17♊ 4'57	17♏29	10♋10	1♉36	21♍20	27°R40	11°R32	12°R35	10♉41	8♍24	6°R24	5♈21	25♈27	21°R44	S 1
S 2	17 10 33	18° 2'09	2♐15	10°40	2°30	21°46	27♏34	11♑28	12♏33	10°43	8°24	6♈17	5°18	25°33	21♑41	S 2
M 3	17 14 30	18°59'20	16°57	11° 7	3°24	22°12	27°27	11°24	12°31	10°45	8°25	6° 8	5°15	25°40	21°39	M 3
T 4	17 18 26	19°56'30	1♑26	11°29	4°20	22°38	27°20	11°20	12°29	10°47	8°26	5°57	5°12	25°47	21°36	T 4
W 5	17 22 23	20°53'41	15°35	11°46	5°15	23° 4	27°14	11°16	12°27	10°49	8°26	5°46	5° 9	25°53	21°33	W 5
T 6	17 26 19	21°50'51	29°20	11°59	6°11	23°31	27° 8	11°12	12°26	10°50	8°27	5°37	5° 5	26° 0	21°30	T 6
F 7	17 30 16	22°48'01	12♒39	12° 8	7° 8	23°58	27° 1	11° 8	12°24	10°52	8°28	5°29	5° 2	26° 7	21°27	F 7
S 8	17 34 12	23°45'11	25°32	12°R12	8° 5	24°25	26°55	11° 4	12°22	10°54	8°29	5°24	4°59	26°13	21°24	S 8
S 9	17 38 9	24°42'21	8♓ 2	12°11	9° 2	24°53	26°49	11° 0	12°21	10°56	8°30	5°21	4°56	26°20	21°22	S 9
M10	17 42 6	25°39'31	20°14	12° 6	10° 0	25°21	26°43	10°56	12°19	10°57	8°30	5°20	4°53	26°27	21°19	M10
T 11	17 46 2	26°36'41	2♈12	11°56	10°58	25°49	26°37	10°51	12°17	10°59	8°31	5°20	4°49	26°33	21°16	T 11
W12	17 49 59	27°33'51	14° 3	11°42	11°56	26°17	26°32	10°47	12°16	11° 1	8°32	5°20	4°46	26°40	21°12	W12
T 13	17 53 55	28°31'02	25°50	11°23	12°55	26°46	26°26	10°43	12°14	11° 3	8°33	5°19	4°43	26°47	21° 9	T 13
F 14	17 57 52	29°28'13	7♉41	11° 1	13°55	27°14	26°21	10°39	12°13	11° 4	8°34	5°15	4°40	26°53	21° 6	F 14
S 15	18 1 48	0♋25'24	19°38	10°35	14°54	27°44	26°16	10°34	12°12	11° 6	8°35	5° 9	4°37	27° 0	21° 3	S 15
S 16	18 5 45	1°22'35	1♊45	10° 6	15°54	28°13	26°10	10°30	12°10	11° 7	8°36	5° 1	4°34	27° 7	21° 0	S 16
M17	18 9 41	2°19'46	14° 5	9°34	16°55	28°43	26° 6	10°26	12° 9	11° 9	8°37	4°50	4°30	27°13	20°57	M17
T 18	18 13 38	3°16'58	26°39	8°59	17°55	29°12	26° 1	10°21	12° 8	11°11	8°39	4°37	4°27	27°20	20°53	T 18
W19	18 17 35	4°14'10	9♋27	8°23	18°56	29°42	25°56	10°17	12° 6	11°12	8°40	4°24	4°24	27°26	20°50	W19
T 20	18 21 31	5°11'22	22°29	7°45	19°57	0♎13	25°52	10°13	12° 5	11°14	8°41	4°12	4°21	27°33	20°47	T 20
F 21	18 25 28	6° 8'34	5♌44	7° 7	20°59	0°43	25°47	10° 8	12° 4	11°15	8°42	4° 2	4°18	27°40	20°43	F 21
S 22	18 29 24	7° 5'46	19°10	6°29	22° 1	1°14	25°43	10° 4	12° 3	11°16	8°43	3°54	4°15	27°46	20°40	S 22
S 23	18 33 21	8° 2'58	2♍46	5°51	23° 3	1°45	25°39	9°59	12° 2	11°18	8°45	3°49	4°11	27°53	20°37	S 23
M24	18 37 17	9° 0'10	16°31	5°15	24° 5	2°16	25°35	9°55	12° 1	11°19	8°46	3°46	4° 8	28° 0	20°33	M24
T 25	18 41 14	9°57'22	0♎25	4°41	25° 8	2°48	25°31	9°50	12° 0	11°21	8°47	3°46	4° 5	28° 6	20°30	T 25
W26	18 45 11	10°54'34	14°28	4° 9	26°11	3°19	25°28	9°46	11°59	11°22	8°48	3°46	4° 2	28°13	20°27	W26
T 27	18 49 7	11°51'46	28°39	3°41	27°14	3°51	25°25	9°42	11°58	11°23	8°50	3°45	3°59	28°20	20°23	T 27
F 28	18 53 4	12°48'59	12♏56	3°16	28°17	4°23	25°21	9°37	11°57	11°25	8°51	3°42	3°55	28°26	20°20	F 28
S 29	18 57 0	13°46'12	27°18	2°55	29°21	4°55	25°18	9°33	11°57	11°26	8°53	3°38	3°52	28°33	20°16	S 29
S 30	19 0 57	14♋43'24	11♐40	2♋39	0♊24	5♎28	25♏15	9♑28	11♏56	11♉27	8♍54	3♈30	3♈49	28♈40	20♑13	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n55	20s18	3s19	23n10	0n 1	9n29	2s46	3n56	0n32	18s54	0n51	22s40	0n22	15s21	0n21	13n24	1s47	22n17	14n59	2n33	2n 8	11n32	14s48	7n 4
S 2	23 0	24 48	4 11	22 54	0s12	9 45	2 49	3 44	0 30	18 52	0 51	22 41	0 22	15 20	0 21	13 25	1 47	22 16	14 59	2 30	2 7	11 35	14 48	7 4
M 3	23 5	27 38	4 45	22 38	0 27	10 2	2 51	3 33	0 29	18 51	0 51	22 41	0 22	15 20	0 21	13 25	1 47	22 15	14 58	2 27	2 6	11 38	14 48	7 4
T 4	23 10	28 33	5 1	22 22	0 41	10 19	2 52	3 21	0 27	18 50	0 51	22 41	0 22	15 19	0 21	13 26	1 47	22 15	14 58	2 22	2 4	11 41	14 49	7 5
W 5	23 14	27 33	4 57	22 5	0 56	10 36	2 54	3 9	0 26	18 48	0 51	22 42	0 22	15 19	0 21	13 26	1 47	22 14	14 57	2 18	2 3	11 45	14 49	7 5
T 6	23 17	24 53	4 37	21 48	1 12	10 53	2 55	2 57	0 24	18 47	0 50	22 42	0 22	15 18	0 21	13 27	1 47	22 13	14 57	2 14	2 2	11 48	14 49	7 5
F 7	23 21	20 56	4 1	21 32	1 27	11 10	2 57	2 45	0 23	18 46	0 50	22 43	0 22	15 18	0 21	13 27	1 47	22 13	14 57	2 11	2 1	11 51	14 49	7 5
S 8	23 24	16 7	3 14	21 16	1 43	11 27	2 58	2 33	0 21	18 45	0 50	22 43	0 22	15 17	0 21	13 28	1 47	22 12	14 56	2 9	1 59	11 54	14 49	7 6
S 9	23 26	10 45	2 19	21 0	1 59	11 45	2 59	2 21	0 20	18 43	0 50	22 43	0 22	15 17	0 21	13 28	1 47	22 11	14 56	2 8	1 58	11 57	14 49	7 6
M10	23 28	5 6	1 19	20 45	2 15	12 2	3 0	2 8	0 18	18 42	0 50	22 44	0 22	15 16	0 21	13 29	1 47	22 11	14 55	2 8	1 57	12 1	14 49	7 6
T 11	23 30	0n38	0 17	20 30	2 31	12 19	3 0	1 56	0 17	18 41	0 49	22 44	0 22	15 16	0 21	13 29	1 47	22 10	14 55	2 8	1 56	12 4	14 50	7 7
W12	23 31	6 16	0n46	20 15	2 47	12 37	3 1	1 43	0 16	18 40	0 49	22 45	0 21	15 15	0 21	13 30	1 47	22 9	14 55	2 8	1 54	12 7	14 50	7 7
T 13	23 32	11 41	1 46	20 1	3 2	12 54	3 1	1 31	0 14	18 39	0 49	22 45	0 21	15 15	0 21	13 30	1 47	22 9	14 54	2 7	1 53	12 10	14 50	7 7
F 14	23 32	16 41	2 42	19 49	3 17	13 12	3 1	1 18	0 13	18 38	0 49	22 46	0 21	15 14	0 21	13 31	1 47	22 8	14 54	2 6	1 52	12 13	14 50	7 7
S 15	23 32	21 6	3 31	19 36	3 31	13 29	3 2	1 5	0 12	18 37	0 49	22 46	0 21	15 14	0 21	13 31	1 47	22 7	14 54	2 3	1 50	12 17	14 51	7 7
S 16	23 32	24 42	4 12	19 25	3 45	13 46	3 1	0 52	0 10	18 36	0 48	22 46	0 21	15 14	0 21	13 32	1 47	22 6	14 53	2 0	1 49	12 20	14 51	7 8
M17	23 31	27 14	4 41	19 15	3 57	14 4	3 1	0 39	0 9	18 35	0 48	22 47	0 21	15 13	0 21	13 32	1 48	22 6	14 53	1 56	1 48	12 23	14 51	7 8
T 18	23 30	28 27	4 57	19 6	4 8	14 21	3 1	0 26	0 8	18 34	0 48	22 47	0 21	15 13	0 21	13 32	1 48	22 5	14 52	1 51	1 47	12 26	14 51	7 8
W19	23 28	28 10	4 59	18 58	4 19	14 38	3 1	0 13	0 6	18 33	0 48	22 48	0 21	15 12	0 21	13 33	1 48	22 4	14 52	1 45	1 45	12 29	14 52	7 8
T 20	23 26	26 21	4 45	18 52	4 27	14 55	3 0	0s 0	0 5	18 32	0 48	22 48	0 21	15 12	0 21	13 33	1 48	22 3	14 52	1 41	1 44	12 32	14 52	7 8
F 21	23 24	23 3	4 16	18 47	4 35	15 12	2 59	0 14	0 4	18 31	0 47	22 49	0 21	15 12	0 21	13 34	1 48	22 3	14 51	1 36	1 43	12 36	14 52	7 9
S 22	23 21	18 30	3 32	18 43	4 41	15 29	2 58	0 27	0 3	18 31	0 47	22 49	0 21	15 11	0 21	13 34	1 48	22 2	14 51	1 33	1 42	12 39	14 53	7 9
S 23	23 18	12 57	2 36	18 40	4 45	15 45	2 58	0 41	0 1	18 30	0 47	22 49	0 21	15 11	0 21	13 35	1 48	22 1	14 51	1 31	1 40	12 42	14 53	7 9
M24	23 14	6 43	1 30	18 39	4 48	16 1	2 56	0 54	0 0	18 29	0 47	22 50	0 20	15 11	0 21	13 35	1 48	22 0	14 50	1 30	1 39	12 45	14 53	7 9
T 25	23 10	0 6	0 18	18 39	4 48	16 18	2 55	1 8	0s 1	18 28	0 46	22 50	0 20	15 11	0 21	13 35	1 48	21 59	14 50	1 30	1 38	12 48	14 54	7 9
W26	23 6	6s35	0s56	18 41	4 48	16 34	2 54	1 22	0 2	18 28	0 46	22 51	0 20	15 10	0 20	13 36	1 48	21 58	14 50	1 30	1 37	12 51	14 54	7 9
T 27	23 1	13 1	2 8	18 44	4 46	16 49	2 53	1 35	0 4	18 27	0 46	22 51	0 20	15 10	0 20	13 36	1 48	21 58	14 49	1 30	1 35	12 55	14 55	7 9
F 28	22 55	18 49	3 11	18 48	4 42	17 5	2 51	1 49	0 5	18 27	0 46	22 51	0 20	15 10	0 20	13 36	1 48	21 57	14 49	1 29	1 34	12 58	14 55	7 9
S 29	22 50	23 35	4 3	18 54	4 36	17 20	2 50	2 3	0 6	18 26	0 45	22 52	0 20	15 10	0 20	13 37	1 48	21 56	14 49	1 27	1 33	13 1	14 55	7 9
S 30	22n43	26s54	4s40	19n 1	4s30	17n35	2s48	2s17	0s 7	18s26	0n45	22s52	0n20	15s 9	0n20	13n37	1s48	21n55	14n48	1n24	1n31	13n 4	14s56	7n10

Julian Day Number = 2168275.5, Delta T = 12m33s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'31, Lahiri = 13°02'31 Julian Calendar 1 June 1224 == Greg. Calendar 8 June 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

JULY 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 4 53	15♋40'38	25♐58	2°R28	1♊28	6♎ 0	25°R13	9°R24	11°R55	11♉28	8♍55	3°R20	3♈46	28♈46	20°R 9	M 1
T 2	19 8 50	16°37'52	10♑ 6	2♋23	2°33	6°33	25♏10	9♑20	11♏55	11°30	8°57	3♈ 9	3°43	28°53	20♑ 6	T 2
W 3	19 12 46	17°35'06	23°58	2°D22	3°37	7° 6	25° 8	9°15	11°54	11°31	8°58	2°58	3°40	29° 0	20° 2	W 3
T 4	19 16 43	18°32'21	7♒30	2°28	4°42	7°39	25° 6	9°11	11°54	11°32	9° 0	2°48	3°36	29° 6	19°59	T 4
F 5	19 20 40	19°29'36	20°41	2°39	5°46	8°13	25° 4	9° 7	11°53	11°33	9° 1	2°39	3°33	29°13	19°55	F 5
S 6	19 24 36	20°26'53	3♓30	2°56	6°51	8°46	25° 2	9° 2	11°53	11°34	9° 3	2°34	3°30	29°20	19°52	S 6
S 7	19 28 33	21°24'10	15°59	3°19	7°57	9°20	25° 1	8°58	11°52	11°35	9° 5	2°31	3°27	29°26	19°48	S 7
M 8	19 32 29	22°21'28	28°10	3°48	9° 2	9°54	24°59	8°54	11°52	11°36	9° 6	2°D29	3°24	29°33	19°45	M 8
T 9	19 36 26	23°18'47	10♈ 9	4°23	10° 8	10°28	24°58	8°50	11°52	11°37	9° 8	2°29	3°21	29°40	19°41	T 9
W10	19 40 22	24°16'08	22° 1	5° 4	11°14	11° 2	24°57	8°45	11°52	11°38	9° 9	2°R30	3°17	29°46	19°38	W10
T 11	19 44 19	25°13'29	3♉50	5°51	12°20	11°37	24°56	8°41	11°51	11°39	9°11	2°29	3°14	29°53	19°34	T 11
F 12	19 48 15	26°10'51	15°42	6°43	13°26	12°11	24°55	8°37	11°51	11°40	9°13	2°28	3°11	29°59	19°31	F 12
S 13	19 52 12	27° 8'15	27°43	7°42	14°32	12°46	24°55	8°33	11°51	11°41	9°15	2°23	3° 8	0♉ 6	19°28	S 13
S 14	19 56 9	28° 5'40	9♊55	8°46	15°39	13°21	24°55	8°29	11°D51	11°41	9°16	2°17	3° 5	0°13	19°24	S 14
M15	20 0 5	29° 3'06	22°24	9°56	16°45	13°56	24°D54	8°25	11°51	11°42	9°18	2° 9	3° 1	0°20	19°21	M15
T 16	20 4 2	0♌ 0'33	5♋10	11°11	17°52	14°31	24°54	8°21	11°51	11°43	9°20	1°59	2°58	0°26	19°17	T 16
W17	20 7 58	0°58'02	18°14	12°31	18°59	15° 6	24°55	8°17	11°52	11°44	9°22	1°48	2°55	0°33	19°14	W17
T 18	20 11 55	1°55'31	1♌37	13°56	20° 6	15°42	24°55	8°13	11°52	11°44	9°23	1°38	2°52	0°40	19°11	T 18
F 19	20 15 51	2°53'01	15°14	15°26	21°14	16°18	24°56	8° 9	11°52	11°45	9°25	1°30	2°49	0°46	19° 7	F 19
S 20	20 19 48	3°50'33	29° 5	17° 0	22°21	16°54	24°57	8° 6	11°52	11°46	9°27	1°24	2°46	0°53	19° 4	S 20
S 21	20 23 44	4°48'05	13♍ 4	18°39	23°29	17°30	24°58	8° 2	11°53	11°46	9°29	1°20	2°42	1° 0	19° 1	S 21
M22	20 27 41	5°45'38	27° 9	20°21	24°36	18° 6	24°59	7°58	11°53	11°47	9°31	1°D18	2°39	1° 6	18°57	M22
T 23	20 31 38	6°43'13	11♎18	22° 7	25°44	18°42	25° 0	7°55	11°54	11°47	9°33	1°19	2°36	1°13	18°54	T 23
W24	20 35 34	7°40'48	25°28	23°57	26°52	19°19	25° 2	7°51	11°54	11°48	9°35	1°20	2°33	1°20	18°51	W24
T 25	20 39 31	8°38'24	9♏38	25°49	28° 0	19°55	25° 3	7°48	11°55	11°48	9°36	1°R20	2°30	1°26	18°48	T 25
F 26	20 43 27	9°36'01	23°46	27°43	29° 9	20°32	25° 5	7°44	11°55	11°49	9°38	1°19	2°27	1°33	18°45	F 26
S 27	20 47 24	10°33'39	7♐50	29°40	0♋17	21° 9	25° 7	7°41	11°56	11°49	9°40	1°16	2°23	1°40	18°41	S 27
S 28	20 51 20	11°31'18	21°50	1♌38	1°26	21°46	25°10	7°38	11°57	11°50	9°42	1°11	2°20	1°46	18°38	S 28
M29	20 55 17	12°28'59	5♑42	3°37	2°34	22°23	25°12	7°34	11°57	11°50	9°44	1° 5	2°17	1°53	18°35	M29
T 30	20 59 14	13°26'40	19°23	5°37	3°43	23° 1	25°15	7°31	11°58	11°50	9°46	0°57	2°14	2° 0	18°32	T 30
W31	21 3 10	14♌24'23	2♒50	7♌38	4♋52	23♎38	25♏17	7♑28	11♏59	11♉51	9♍48	0♈49	2♈11	2♉ 6	18♑29	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n37	28s27	4s59	19n 9	4s22	17n50	2s46	2s31	0s 8	18s25	0n45	22s53	0n20	15s 9	0n20	13n37	1s48	21n54	14n48	1n20	1n30	13n 7	14s56	7n10
T 2	22 30	28 7	4 59	19 19	4 13	18 4	2 44	2 45	0 9	18 25	0 45	22 53	0 20	15 9	0 20	13 38	1 48	21 53	14 48	1 15	1 29	13 10	14 57	7 10
W 3	22 23	26 1	4 41	19 29	4 2	18 19	2 42	2 59	0 10	18 25	0 45	22 53	0 20	15 9	0 20	13 38	1 48	21 53	14 47	1 11	1 28	13 13	14 57	7 10
T 4	22 15	22 28	4 8	19 40	3 51	18 32	2 40	3 14	0 11	18 24	0 44	22 54	0 20	15 9	0 20	13 38	1 48	21 52	14 47	1 7	1 26	13 17	14 58	7 10
F 5	22 7	17 51	3 23	19 52	3 39	18 46	2 38	3 28	0 13	18 24	0 44	22 54	0 19	15 9	0 20	13 39	1 48	21 51	14 47	1 4	1 25	13 20	14 58	7 10
S 6	21 59	12 33	2 28	20 4	3 26	18 59	2 36	3 42	0 14	18 24	0 44	22 55	0 19	15 9	0 20	13 39	1 49	21 50	14 47	1 1	1 24	13 23	14 59	7 10
S 7	21 50	6 53	1 27	20 17	3 13	19 12	2 34	3 56	0 15	18 24	0 44	22 55	0 19	15 9	0 20	13 39	1 49	21 49	14 46	1 0	1 23	13 26	14 59	7 10
M 8	21 41	1 5	0 23	20 30	2 59	19 24	2 31	4 11	0 16	18 24	0 43	22 55	0 19	15 8	0 20	13 39	1 49	21 48	14 46	1 0	1 21	13 29	15 0	7 10
T 9	21 31	4n40	0n41	20 44	2 44	19 37	2 29	4 25	0 17	18 24	0 43	22 56	0 19	15 8	0 20	13 40	1 49	21 47	14 46	1 0	1 20	13 32	15 0	7 10
W10	21 21	10 11	1 42	20 57	2 30	19 48	2 26	4 39	0 18	18 23	0 43	22 56	0 19	15 8	0 20	13 40	1 49	21 46	14 45	1 0	1 19	13 35	15 1	7 10
T 11	21 11	15 20	2 39	21 10	2 15	20 0	2 24	4 54	0 19	18 23	0 43	22 57	0 19	15 8	0 20	13 40	1 49	21 46	14 45	1 0	1 18	13 38	15 1	7 10
F 12	21 0	19 56	3 29	21 23	2 0	20 11	2 21	5 8	0 20	18 24	0 42	22 57	0 19	15 8	0 20	13 40	1 49	21 45	14 45	0 59	1 16	13 42	15 2	7 10
S 13	20 49	23 48	4 10	21 35	1 44	20 21	2 18	5 23	0 21	18 24	0 42	22 57	0 19	15 8	0 20	13 41	1 49	21 44	14 45	0 57	1 15	13 45	15 2	7 10
S 14	20 38	26 40	4 41	21 46	1 29	20 31	2 16	5 37	0 22	18 24	0 42	22 58	0 19	15 8	0 20	13 41	1 49	21 43	14 44	0 55	1 14	13 48	15 3	7 9
M15	20 26	28 18	4 59	21 56	1 14	20 41	2 13	5 52	0 23	18 24	0 42	22 58	0 18	15 8	0 20	13 41	1 49	21 42	14 44	0 51	1 12	13 51	15 3	7 9
T 16	20 14	28 30	5 3	22 5	0 59	20 50	2 10	6 7	0 24	18 24	0 42	22 58	0 18	15 8	0 20	13 41	1 49	21 41	14 44	0 47	1 11	13 54	15 4	7 9
W17	20 2	27 6	4 52	22 13	0 45	20 58	2 7	6 21	0 25	18 25	0 41	22 59	0 18	15 9	0 20	13 41	1 49	21 40	14 44	0 43	1 10	13 57	15 4	7 9
T 18	19 49	24 10	4 24	22 18	0 30	21 7	2 4	6 36	0 26	18 25	0 41	22 59	0 18	15 9	0 20	13 41	1 49	21 39	14 43	0 39	1 9	14 0	15 5	7 9
F 19	19 36	19 51	3 41	22 22	0 17	21 14	2 1	6 51	0 27	18 25	0 41	22 59	0 18	15 9	0 20	13 42	1 49	21 38	14 43	0 36	1 7	14 3	15 6	7 9
S 20	19 23	14 24	2 44	22 24	0 3	21 22	1 58	7 5	0 27	18 26	0 41	23 0	0 18	15 9	0 20	13 42	1 49	21 37	14 43	0 33	1 6	14 6	15 6	7 9
S 21	19 9	8 10	1 36	22 24	0n 9	21 28	1 55	7 20	0 28	18 26	0 40	23 0	0 18	15 9	0 20	13 42	1 49	21 37	14 43	0 32	1 5	14 9	15 7	7 9
M22	18 55	1 29	0 22	22 21	0 21	21 34	1 52	7 35	0 29	18 27	0 40	23 0	0 18	15 9	0 20	13 42	1 49	21 36	14 43	0 31	1 4	14 13	15 7	7 8
T 23	18 40	5s18	0s53	22 15	0 33	21 40	1 48	7 49	0 30	18 27	0 40	23 1	0 18	15 9	0 20	13 42	1 49	21 35	14 42	0 31	1 2	14 16	15 8	7 8
W24	18 26	11 51	2 6	22 7	0 43	21 45	1 45	8 4	0 31	18 28	0 40	23 1	0 18	15 9	0 20	13 42	1 50	21 34	14 42	0 32	1 1	14 19	15 8	7 8
T 25	18 11	17 46	3 11	21 57	0 53	21 50	1 42	8 19	0 32	18 28	0 39	23 1	0 17	15 10	0 20	13 42	1 50	21 33	14 42	0 32	1 0	14 22	15 9	7 8
F 26	17 55	22 44	4 4	21 44	1 2	21 54	1 38	8 34	0 33	18 29	0 39	23 2	0 17	15 10	0 20	13 42	1 50	21 32	14 42	0 32	0 59	14 25	15 10	7 8
S 27	17 40	26 21	4 42	21 28	1 11	21 57	1 35	8 48	0 34	18 30	0 39	23 2	0 17	15 10	0 20	13 42	1 50	21 31	14 42	0 30	0 57	14 28	15 10	7 8
S 28	17 24	28 20	5 3	21 9	1 18	22 0	1 32	9 3	0 35	18 31	0 39	23 2	0 17	15 10	0 20	13 42	1 50	21 30	14 42	0 28	0 56	14 31	15 11	7 7
M29	17 8	28 31	5 6	20 48	1 24	22 3	1 28	9 18	0 35	18 31	0 39	23 2	0 17	15 11	0 20	13 42	1 50	21 29	14 41	0 26	0 55	14 34	15 12	7 7
T 30	16 51	26 57	4 52	20 24	1 30	22 4	1 25	9 33	0 36	18 32	0 38	23 3	0 17	15 11	0 20	13 43	1 50	21 28	14 41	0 23	0 53	14 37	15 12	7 7
W31	16n35	23s50	4s21	19n58	1n35	22n 6	1s22	9s47	0s37	18s33	0n38	23s 3	0n17	15s11	0n20	13n43	1s50	21n27	14n41	0n20	0n52	14n40	15s13	7n 7

Julian Day Number = 2168305.5, Delta T = 12m33s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'35, Lahiri = 13°02'35 Julian Calendar 1 July 1224 == Greg. Calendar 8 July 1224

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1224
geocentric

AUGUST 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 7 7	15♌22'07	16♒ 3	9♌39	6♋ 1	24♎16	25♏20	7°R25	12♏ 0	11♉51	9♍50	0°R42	2♈ 7	2♉13	18°R26	T 1
F 2	21 11 3	16°19'52	28°58	11°40	7°10	24°53	25°24	7♑22	12° 1	11°51	9°52	0♈37	2° 4	2°20	18♑23	F 2
S 3	21 15 0	17°17'39	11♓36	13°41	8°19	25°31	25°27	7°19	12° 2	11°51	9°54	0°33	2° 1	2°26	18°21	S 3
S 4	21 18 56	18°15'28	23°58	15°42	9°29	26° 9	25°30	7°17	12° 3	11°51	9°56	0°31	1°58	2°33	18°18	S 4
M 5	21 22 53	19°13'18	6♈ 6	17°41	10°38	26°47	25°34	7°14	12° 4	11°51	9°59	0°D31	1°55	2°40	18°15	M 5
T 6	21 26 49	20°11'10	18° 4	19°40	11°48	27°25	25°38	7°11	12° 5	11°52	10° 1	0°32	1°52	2°46	18°12	T 6
W 7	21 30 46	21° 9'03	29°55	21°39	12°58	28° 4	25°42	7° 9	12° 7	11°52	10° 3	0°34	1°48	2°53	18°10	W 7
T 8	21 34 42	22° 6'59	11♉44	23°36	14° 8	28°42	25°46	7° 6	12° 8	11°R52	10° 5	0°35	1°45	3° 0	18° 7	T 8
F 9	21 38 39	23° 4'56	23°37	25°32	15°18	29°21	25°50	7° 4	12° 9	11°52	10° 7	0°R36	1°42	3° 6	18° 4	F 9
S 10	21 42 36	24° 2'56	5♊38	27°27	16°28	29°59	25°55	7° 1	12°11	11°52	10° 9	0°35	1°39	3°13	18° 2	S 10
S 11	21 46 32	25° 0'57	17°52	29°21	17°38	0♏38	25°59	6°59	12°12	11°51	10°11	0°33	1°36	3°20	17°59	S 11
M12	21 50 29	25°59'00	0♋23	1♍13	18°48	1°17	26° 4	6°57	12°14	11°51	10°13	0°29	1°33	3°26	17°57	M12
T 13	21 54 25	26°57'05	13°15	3° 5	19°59	1°56	26° 9	6°55	12°15	11°51	10°15	0°24	1°29	3°33	17°55	T 13
W14	21 58 22	27°55'12	26°29	4°55	21° 9	2°36	26°14	6°53	12°17	11°51	10°18	0°19	1°26	3°40	17°52	W14
T 15	22 2 18	28°53'21	10♌ 5	6°44	22°20	3°15	26°20	6°51	12°18	11°51	10°20	0°14	1°23	3°46	17°50	T 15
F 16	22 6 15	29°51'32	24° 2	8°32	23°31	3°55	26°25	6°49	12°20	11°51	10°22	0°10	1°20	3°53	17°48	F 16
S 17	22 10 11	0♍49'44	8♍15	10°18	24°41	4°34	26°31	6°48	12°22	11°50	10°24	0° 7	1°17	4° 0	17°46	S 17
S 18	22 14 8	1°47'59	22°40	12° 3	25°52	5°14	26°37	6°46	12°23	11°50	10°26	0° 5	1°13	4° 6	17°43	S 18
M19	22 18 5	2°46'14	7♎11	13°48	27° 3	5°54	26°43	6°44	12°25	11°50	10°28	0°D 5	1°10	4°13	17°41	M19
T 20	22 22 1	3°44'32	21°43	15°31	28°14	6°34	26°49	6°43	12°27	11°49	10°31	0° 6	1° 7	4°20	17°39	T 20
W21	22 25 58	4°42'51	6♏11	17°12	29°26	7°14	26°55	6°42	12°29	11°49	10°33	0° 8	1° 4	4°26	17°37	W21
T 22	22 29 54	5°41'12	20°32	18°53	0♌37	7°54	27° 1	6°40	12°31	11°48	10°35	0° 9	1° 1	4°33	17°36	T 22
F 23	22 33 51	6°39'34	4♐41	20°32	1°48	8°34	27° 8	6°39	12°33	11°48	10°37	0°R10	0°58	4°40	17°34	F 23
S 24	22 37 47	7°37'58	18°39	22°11	3° 0	9°14	27°15	6°38	12°35	11°47	10°39	0° 9	0°54	4°46	17°32	S 24
S 25	22 41 44	8°36'23	2♑24	23°48	4°11	9°55	27°21	6°37	12°37	11°47	10°41	0° 8	0°51	4°53	17°30	S 25
M26	22 45 40	9°34'50	15°54	25°24	5°23	10°35	27°28	6°36	12°39	11°46	10°44	0° 6	0°48	5° 0	17°29	M26
T 27	22 49 37	10°33'19	29°12	26°59	6°35	11°16	27°35	6°36	12°41	11°46	10°46	0° 3	0°45	5° 6	17°27	T 27
W28	22 53 34	11°31'50	12♒15	28°33	7°47	11°57	27°43	6°35	12°43	11°45	10°48	0° 0	0°42	5°13	17°26	W28
T 29	22 57 30	12°30'22	25° 4	0♎ 6	8°58	12°38	27°50	6°34	12°46	11°44	10°50	29♓58	0°39	5°20	17°24	T 29
F 30	23 1 27	13°28'56	7♓40	1°38	10°10	13°19	27°58	6°34	12°48	11°44	10°52	29°56	0°35	5°26	17°23	F 30
S 31	23 5 23	14♍27'32	20♓ 3	3♎ 9	11♌23	14♏ 0	28♏ 5	6♑33	12♏50	11♉43	10♍55	29♓55	0♈32	5♉33	17♑22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n18	19s33	3s37	19n30	1n39	22n 6	1s18	10s 2	0s38	18s34	0n38	23s 3	0n17	15s12	0n20	13n43	1s50	21n26	14n41	0n17	0n51	14n43	15s13	7n 6
F 2	16 1	14 25	2 42	18 59	1 42	22 6	1 15	10 17	0 39	18 35	0 38	23 4	0 17	15 12	0 20	13 43	1 50	21 26	14 41	0 15	0 50	14 46	15 14	7 6
S 3	15 43	8 48	1 41	18 27	1 44	22 6	1 11	10 31	0 40	18 36	0 37	23 4	0 17	15 12	0 19	13 43	1 50	21 25	14 41	0 13	0 48	14 49	15 15	7 6
S 4	15 25	2 57	0 35	17 53	1 45	22 5	1 8	10 46	0 40	18 37	0 37	23 4	0 16	15 13	0 19	13 43	1 50	21 24	14 41	0 12	0 47	14 52	15 15	7 6
M 5	15 7	2n54	0n30	17 17	1 46	22 3	1 4	11 0	0 41	18 38	0 37	23 4	0 16	15 13	0 19	13 43	1 50	21 23	14 40	0 12	0 46	14 55	15 16	7 5
T 6	14 49	8 34	1 34	16 40	1 46	22 1	1 1	11 15	0 42	18 39	0 37	23 5	0 16	15 13	0 19	13 43	1 50	21 22	14 40	0 13	0 45	14 58	15 17	7 5
W 7	14 31	13 53	2 33	16 1	1 46	21 58	0 57	11 30	0 43	18 40	0 37	23 5	0 16	15 14	0 19	13 42	1 50	21 21	14 40	0 13	0 43	15 1	15 17	7 5
T 8	14 12	18 41	3 26	15 21	1 45	21 54	0 53	11 44	0 43	18 42	0 36	23 5	0 16	15 14	0 19	13 42	1 50	21 20	14 40	0 14	0 42	15 4	15 18	7 4
F 9	13 53	22 47	4 9	14 41	1 43	21 50	0 50	11 59	0 44	18 43	0 36	23 5	0 16	15 15	0 19	13 42	1 51	21 19	14 40	0 14	0 41	15 7	15 18	7 4
S 10	13 34	25 58	4 43	13 59	1 41	21 45	0 46	12 13	0 45	18 44	0 36	23 6	0 16	15 15	0 19	13 42	1 51	21 18	14 40	0 14	0 39	15 10	15 19	7 4
S 11	13 14	28 2	5 4	13 17	1 38	21 40	0 43	12 27	0 46	18 45	0 36	23 6	0 16	15 15	0 19	13 42	1 51	21 17	14 40	0 13	0 38	15 13	15 20	7 4
M12	12 55	28 44	5 12	12 34	1 35	21 34	0 39	12 42	0 46	18 47	0 36	23 6	0 16	15 16	0 19	13 42	1 51	21 17	14 40	0 12	0 37	15 16	15 20	7 3
T 13	12 35	27 55	5 4	11 50	1 31	21 27	0 36	12 56	0 47	18 48	0 35	23 6	0 15	15 16	0 19	13 42	1 51	21 16	14 40	0 10	0 36	15 19	15 21	7 3
W14	12 15	25 32	4 40	11 6	1 27	21 20	0 32	13 10	0 48	18 50	0 35	23 6	0 15	15 17	0 19	13 42	1 51	21 15	14 40	0 8	0 34	15 22	15 22	7 3
T 15	11 55	21 39	4 0	10 21	1 22	21 12	0 29	13 25	0 48	18 51	0 35	23 7	0 15	15 17	0 19	13 42	1 51	21 14	14 40	0 6	0 33	15 25	15 22	7 2
F 16	11 34	16 28	3 5	9 36	1 18	21 4	0 25	13 39	0 49	18 53	0 35	23 7	0 15	15 18	0 19	13 42	1 51	21 13	14 40	0 4	0 32	15 28	15 23	7 2
S 17	11 14	10 19	1 57	8 51	1 12	20 55	0 22	13 53	0 50	18 54	0 34	23 7	0 15	15 19	0 19	13 41	1 51	21 12	14 40	0 3	0 31	15 31	15 24	7 1
S 18	10 53	3 33	0 41	8 6	1 7	20 45	0 19	14 7	0 50	18 56	0 34	23 7	0 15	15 19	0 19	13 41	1 51	21 11	14 40	0 2	0 29	15 34	15 24	7 1
M19	10 32	3s28	0s39	7 20	1 1	20 35	0 15	14 21	0 51	18 57	0 34	23 7	0 15	15 20	0 19	13 41	1 51	21 10	14 40	0 2	0 28	15 37	15 25	7 1
T 20	10 11	10 18	1 56	6 35	0 55	20 25	0 12	14 35	0 52	18 59	0 34	23 8	0 15	15 20	0 19	13 41	1 51	21 10	14 40	0 3	0 27	15 40	15 25	7 0
W21	9 49	16 33	3 6	5 50	0 49	20 13	0 8	14 49	0 52	19 0	0 34	23 8	0 15	15 21	0 19	13 41	1 51	21 9	14 40	0 3	0 26	15 43	15 26	7 0
T 22	9 28	21 51	4 3	5 4	0 43	20 1	0 5	15 2	0 53	19 2	0 33	23 8	0 15	15 21	0 19	13 41	1 51	21 8	14 40	0 4	0 24	15 46	15 27	7 0
F 23	9 6	25 49	4 44	4 19	0 36	19 49	0 2	15 16	0 54	19 4	0 33	23 8	0 14	15 22	0 19	13 40	1 51	21 7	14 40	0 4	0 23	15 49	15 27	6 59
S 24	8 45	28 11	5 9	3 34	0 29	19 36	0n 1	15 30	0 54	19 5	0 33	23 8	0 14	15 23	0 19	13 40	1 51	21 6	14 40	0 4	0 22	15 52	15 28	6 59
S 25	8 23	28 46	5 15	2 49	0 22	19 22	0 5	15 43	0 55	19 7	0 33	23 8	0 14	15 23	0 19	13 40	1 51	21 5	14 40	0 3	0 20	15 55	15 29	6 58
M26	8 1	27 36	5 3	2 4	0 15	19 8	0 8	15 57	0 56	19 9	0 33	23 9	0 14	15 24	0 19	13 40	1 52	21 5	14 40	0 2	0 19	15 58	15 29	6 58
T 27	7 38	24 54	4 35	1 19	0 8	18 53	0 11	16 10	0 56	19 11	0 32	23 9	0 14	15 25	0 19	13 40	1 52	21 4	14 40	0 1	0 18	16 1	15 30	6 57
W28	7 16	20 56	3 54	0 35	0 1	18 38	0 14	16 23	0 57	19 13	0 32	23 9	0 14	15 25	0 19	13 39	1 52	21 3	14 40	0 0	0 17	16 4	15 30	6 57
T 29	6 54	16 3	3 1	0s 9	0s 7	18 22	0 17	16 36	0 57	19 14	0 32	23 9	0 14	15 26	0 19	13 39	1 52	21 2	14 40	0s 1	0 15	16 7	15 31	6 57
F 30	6 31	10 35	2 0	0 52	0 14	18 6	0 20	16 49	0 58	19 16	0 32	23 9	0 14	15 27	0 19	13 39	1 52	21 1	14 40	0 2	0 14	16 10	15 32	6 56
S 31	6n 9	4s47	0s54	1s36	0s22	17n49	0n23	17s 2	0s58	19s18	0n32	23s 9	0n14	15s28	0n19	13n38	1s52	21n 1	14n40	0s 2	0n13	16n13	15s32	6n56

Julian Day Number = 2168336.5, Delta T = 12m32s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'39, Lahiri = 13°02'39 Julian Calendar 1 Aug. 1224 == Greg. Calendar 8 Aug. 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

SEPTEMBER 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 9 20	15♍26'10	2♈15	4♎39	12♌35	14♏41	28♏13	6°R33	12♏53	11°R42	10♍57	29°D54	0♈29	5♉40	17°R21	S 1
M 2	23 13 16	16°24'50	14°17	6° 8	13°47	15°22	28°21	6♑33	12°55	11♉41	10°59	29♓55	0°26	5°46	17♑19	M 2
T 3	23 17 13	17°23'32	26°11	7°36	14°59	16° 4	28°29	6°D33	12°58	11°41	11° 1	29°56	0°23	5°53	17°18	T 3
W 4	23 21 9	18°22'17	8♉ 1	9° 2	16°12	16°45	28°37	6°33	13° 0	11°40	11° 3	29°57	0°19	6° 0	17°17	W 4
T 5	23 25 6	19°21'03	19°50	10°28	17°24	17°27	28°45	6°33	13° 3	11°39	11° 5	29°58	0°16	6° 6	17°16	T 5
F 6	23 29 3	20°19'52	1♊42	11°52	18°37	18° 9	28°54	6°33	13° 5	11°38	11° 8	29°59	0°13	6°13	17°16	F 6
S 7	23 32 59	21°18'43	13°42	13°16	19°49	18°50	29° 2	6°34	13° 8	11°37	11°10	29°59	0°10	6°20	17°15	S 7
S 8	23 36 56	22°17'37	25°54	14°38	21° 2	19°32	29°11	6°34	13°10	11°36	11°12	29°R59	0° 7	6°26	17°14	S 8
M 9	23 40 52	23°16'33	8♋23	15°59	22°15	20°14	29°20	6°34	13°13	11°35	11°14	29°59	0° 4	6°33	17°13	M 9
T 10	23 44 49	24°15'31	21°13	17°19	23°28	20°56	29°29	6°35	13°16	11°34	11°16	29°59	0° 0	6°40	17°13	T 10
W11	23 48 45	25°14'32	4♌26	18°37	24°41	21°39	29°38	6°36	13°19	11°33	11°18	29°58	29♓57	6°46	17°12	W11
T 12	23 52 42	26°13'35	18° 5	19°54	25°54	22°21	29°47	6°37	13°21	11°32	11°21	29°58	29°54	6°53	17°12	T 12
F 13	23 56 38	27°12'40	2♍10	21°10	27° 7	23° 3	29°56	6°37	13°24	11°31	11°23	29°57	29°51	7° 0	17°12	F 13
S 14	0 0 35	28°11'47	16°37	22°25	28°20	23°46	0♐ 6	6°38	13°27	11°30	11°25	29°57	29°48	7° 6	17°11	S 14
S 15	0 4 32	29°10'56	1♎21	23°37	29°33	24°28	0°15	6°40	13°30	11°29	11°27	29°D57	29°44	7°13	17°11	S 15
M16	0 8 28	0♎10'08	16°16	24°48	0♍47	25°11	0°25	6°41	13°33	11°27	11°29	29°R57	29°41	7°20	17°11	M16
T 17	0 12 25	1° 9'21	1♏14	25°58	2° 0	25°54	0°35	6°42	13°36	11°26	11°31	29°57	29°38	7°26	17°D11	T 17
W18	0 16 21	2° 8'36	16° 6	27° 5	3°13	26°37	0°44	6°43	13°39	11°25	11°33	29°57	29°35	7°33	17°11	W18
T 19	0 20 18	3° 7'54	0♐46	28°10	4°27	27°19	0°54	6°45	13°42	11°24	11°35	29°57	29°32	7°40	17°11	T 19
F 20	0 24 14	4° 7'13	15° 8	29°13	5°40	28° 2	1° 4	6°47	13°45	11°23	11°37	29°56	29°29	7°46	17°11	F 20
S 21	0 28 11	5° 6'34	29°10	0♏14	6°54	28°46	1°15	6°48	13°48	11°21	11°39	29°D56	29°25	7°53	17°12	S 21
S 22	0 32 7	6° 5'57	12♑50	1°11	8° 8	29°29	1°25	6°50	13°51	11°20	11°41	29°56	29°22	8° 0	17°12	S 22
M23	0 36 4	7° 5'21	26°11	2° 6	9°21	0♑12	1°35	6°52	13°54	11°19	11°44	29°56	29°19	8° 6	17°12	M23
T 24	0 40 1	8° 4'48	9♒12	2°58	10°35	0°55	1°46	6°54	13°57	11°17	11°46	29°57	29°16	8°13	17°13	T 24
W25	0 43 57	9° 4'16	21°56	3°46	11°49	1°39	1°56	6°56	14° 1	11°16	11°48	29°58	29°13	8°20	17°13	W25
T 26	0 47 54	10° 3'45	4♓26	4°30	13° 3	2°22	2° 7	6°58	14° 4	11°15	11°50	29°59	29°10	8°26	17°14	T 26
F 27	0 51 50	11° 3'17	16°45	5°11	14°17	3° 6	2°18	7° 0	14° 7	11°13	11°51	29°59	29° 6	8°33	17°15	F 27
S 28	0 55 47	12° 2'51	28°53	5°46	15°31	3°49	2°28	7° 3	14°10	11°12	11°53	29°R59	29° 3	8°40	17°15	S 28
S 29	0 59 43	13° 2'27	10♈54	6°16	16°45	4°33	2°39	7° 5	14°14	11°10	11°55	29°59	29° 0	8°47	17°16	S 29
M30	1 3 40	14♎ 2'04	22♈49	6♏41	17♍59	5♐17	2♐50	7♑ 8	14♏17	11♉ 9	11♍57	29♓59	28♓57	8♉53	17♑17	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n46	1n 6	0n13	2s18	0s30	17n31	0n26	17s15	0s59	19s20	0n32	23s 9	0n13	15s28	0n19	13n38	1s52	21n 0	14n40	0s 2	0n12	16n16	15s33	6n55
M 2	5 23	6 52	1 19	3 1	0 37	17 14	0 29	17 28	0 59	19 22	0 31	23 9	0 13	15 29	0 19	13 38	1 52	20 59	14 40	0 2	0 10	16 19	15 33	6 55
T 3	5 0	12 20	2 21	3 43	0 45	16 55	0 32	17 40	1 0	19 24	0 31	23 10	0 13	15 30	0 19	13 38	1 52	20 58	14 40	0 2	0 9	16 22	15 34	6 54
W 4	4 37	17 20	3 16	4 24	0 53	16 36	0 35	17 53	1 1	19 26	0 31	23 10	0 13	15 31	0 19	13 37	1 52	20 58	14 41	0 1	0 8	16 25	15 35	6 54
T 5	4 14	21 40	4 3	5 5	1 0	16 17	0 38	18 5	1 1	19 28	0 31	23 10	0 13	15 31	0 19	13 37	1 52	20 57	14 41	0 1	0 6	16 27	15 35	6 53
F 6	3 51	25 9	4 40	5 45	1 8	15 57	0 40	18 18	1 2	19 30	0 31	23 10	0 13	15 32	0 19	13 37	1 52	20 56	14 41	0 0	0 5	16 30	15 36	6 53
S 7	3 28	27 35	5 5	6 25	1 15	15 37	0 43	18 30	1 2	19 32	0 30	23 10	0 13	15 33	0 19	13 36	1 52	20 55	14 41	0 0	0 4	16 33	15 36	6 52
S 8	3 4	28 45	5 16	7 4	1 23	15 16	0 46	18 42	1 3	19 34	0 30	23 10	0 13	15 34	0 19	13 36	1 52	20 55	14 41	0 0	0 3	16 36	15 37	6 52
M 9	2 41	28 30	5 14	7 42	1 31	14 55	0 48	18 54	1 3	19 36	0 30	23 10	0 13	15 35	0 19	13 36	1 52	20 54	14 41	0 0	0 1	16 39	15 37	6 52
T 10	2 17	26 44	4 56	8 20	1 38	14 33	0 51	19 5	1 4	19 38	0 30	23 10	0 13	15 36	0 19	13 35	1 52	20 53	14 41	0 0	0 0	16 42	15 38	6 51
W11	1 54	23 28	4 22	8 57	1 45	14 11	0 53	19 17	1 4	19 40	0 30	23 10	0 12	15 36	0 19	13 35	1 52	20 53	14 42	0 1	0s 1	16 45	15 38	6 51
T 12	1 30	18 50	3 32	9 33	1 53	13 49	0 55	19 28	1 5	19 43	0 30	23 10	0 12	15 37	0 19	13 35	1 52	20 52	14 42	0 1	0 2	16 48	15 39	6 50
F 13	1 7	13 3	2 28	10 9	2 0	13 26	0 58	19 40	1 5	19 45	0 29	23 10	0 12	15 38	0 19	13 34	1 52	20 51	14 42	0 1	0 4	16 51	15 39	6 50
S 14	0 43	6 26	1 13	10 43	2 7	13 3	1 0	19 51	1 5	19 47	0 29	23 10	0 12	15 39	0 18	13 34	1 52	20 51	14 42	0 1	0 5	16 54	15 40	6 49
S 15	0 20	0s40	0s 8	11 17	2 14	12 39	1 2	20 2	1 6	19 49	0 29	23 10	0 12	15 40	0 18	13 33	1 53	20 50	14 42	0 1	0 6	16 56	15 40	6 49
M16	0s 4	7 48	1 29	11 49	2 20	12 15	1 4	20 13	1 6	19 51	0 29	23 10	0 12	15 41	0 18	13 33	1 53	20 49	14 42	0 1	0 7	16 59	15 41	6 48
T 17	0 28	14 32	2 45	12 21	2 27	11 50	1 6	20 24	1 7	19 53	0 29	23 11	0 12	15 42	0 18	13 33	1 53	20 49	14 43	0 1	0 9	17 2	15 41	6 48
W18	0 51	20 23	3 49	12 51	2 33	11 26	1 8	20 34	1 7	19 56	0 29	23 11	0 12	15 43	0 18	13 32	1 53	20 48	14 43	0 1	0 10	17 5	15 42	6 47
T 19	1 15	24 55	4 37	13 20	2 39	11 1	1 10	20 45	1 8	19 58	0 28	23 11	0 12	15 44	0 18	13 32	1 53	20 47	14 43	0 1	0 11	17 8	15 42	6 47
F 20	1 39	27 47	5 7	13 48	2 44	10 35	1 12	20 55	1 8	20 0	0 28	23 11	0 12	15 44	0 18	13 31	1 53	20 47	14 43	0 1	0 13	17 11	15 43	6 46
S 21	2 2	28 50	5 17	14 15	2 50	10 10	1 14	21 5	1 8	20 2	0 28	23 11	0 11	15 45	0 18	13 31	1 53	20 46	14 44	0 2	0 14	17 14	15 43	6 46
S 22	2 26	28 3	5 9	14 40	2 54	9 44	1 16	21 15	1 9	20 5	0 28	23 11	0 11	15 46	0 18	13 31	1 53	20 46	14 44	0 2	0 15	17 16	15 44	6 45
M23	2 50	25 40	4 45	15 3	2 59	9 17	1 17	21 24	1 9	20 7	0 28	23 11	0 11	15 47	0 18	13 30	1 53	20 45	14 44	0 1	0 16	17 19	15 44	6 45
T 24	3 13	21 59	4 6	15 25	3 3	8 51	1 19	21 34	1 9	20 9	0 28	23 11	0 11	15 48	0 18	13 30	1 53	20 44	14 44	0 1	0 18	17 22	15 45	6 44
W25	3 37	17 20	3 16	15 45	3 7	8 24	1 20	21 43	1 10	20 11	0 27	23 11	0 11	15 49	0 18	13 29	1 53	20 44	14 45	0 1	0 19	17 25	15 45	6 44
T 26	4 0	12 3	2 17	16 3	3 9	7 57	1 22	21 52	1 10	20 14	0 27	23 11	0 11	15 50	0 18	13 29	1 53	20 43	14 45	0 0	0 20	17 28	15 46	6 43
F 27	4 24	6 22	1 13	16 19	3 12	7 30	1 23	22 1	1 10	20 16	0 27	23 11	0 11	15 51	0 18	13 28	1 53	20 43	14 45	0 0	0 21	17 31	15 46	6 43
S 28	4 47	0 32	0 6	16 32	3 13	7 2	1 25	22 10	1 11	20 18	0 27	23 11	0 11	15 52	0 18	13 28	1 53	20 42	14 45	0 0	0 23	17 34	15 46	6 42
S 29	5 10	5n15	1n 0	16 43	3 14	6 34	1 26	22 18	1 11	20 21	0 27	23 10	0 11	15 53	0 18	13 27	1 53	20 42	14 46	0 0	0 24	17 36	15 47	6 42
M30	5s34	10n49	2n 3	16s51	3s14	6n 6	1n27	22s27	1s11	20s23	0n27	23s10	0n11	15s54	0n18	13n27	1s53	20n41	14n46	0s 1	0s25	17n39	15s47	6n41

Julian Day Number = 2168367.5, Delta T = 12m32s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'43, Lahiri = 13°02'44 Julian Calendar 1 Sept. 1224 == Greg. Calendar 8 Sept. 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

OCTOBER 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 7 36	15♎ 1'44	4♉40	6♏59	19♍13	6♐ 1	3♐ 1	7♑10	14♏20	11°R 7	11♍59	29°R57	28♓54	9♉ 0	17♑18	T 1
W 2	1 11 33	16° 1'26	16°30	7°11	20°27	6°45	3°13	7°13	14°24	11♉ 6	12° 1	29♓55	28°50	9° 7	17°19	W 2
T 3	1 15 29	17° 1'10	28°20	7°R15	21°41	7°29	3°24	7°16	14°27	11° 4	12° 3	29°52	28°47	9°13	17°20	T 3
F 4	1 19 26	18° 0'57	10♊13	7°12	22°56	8°13	3°35	7°19	14°30	11° 3	12° 5	29°49	28°44	9°20	17°21	F 4
S 5	1 23 23	19° 0'45	22°13	7° 0	24°10	8°57	3°47	7°22	14°34	11° 1	12° 7	29°47	28°41	9°27	17°23	S 5
S 6	1 27 19	20° 0'36	4♋24	6°40	25°24	9°41	3°58	7°25	14°37	11° 0	12° 9	29°45	28°38	9°33	17°24	S 6
M 7	1 31 16	21° 0'29	16°49	6°11	26°39	10°26	4°10	7°28	14°41	10°58	12°10	29°D44	28°35	9°40	17°25	M 7
T 8	1 35 12	22° 0'25	29°32	5°32	27°53	11°10	4°21	7°31	14°44	10°57	12°12	29°44	28°31	9°47	17°27	T 8
W 9	1 39 9	23° 0'22	12♌38	4°44	29° 8	11°55	4°33	7°35	14°48	10°55	12°14	29°45	28°28	9°53	17°29	W 9
T 10	1 43 5	24° 0'22	26°10	3°48	0♎22	12°39	4°45	7°38	14°51	10°54	12°16	29°47	28°25	10° 0	17°30	T 10
F 11	1 47 2	25° 0'24	10♍ 9	2°44	1°37	13°24	4°57	7°41	14°55	10°52	12°17	29°48	28°22	10° 7	17°32	F 11
S 12	1 50 58	26° 0'28	24°34	1°34	2°52	14° 9	5° 9	7°45	14°58	10°50	12°19	29°R49	28°19	10°13	17°34	S 12
S 13	1 54 55	27° 0'34	9♎23	0°19	4° 6	14°53	5°21	7°49	15° 2	10°49	12°21	29°49	28°16	10°20	17°35	S 13
M14	1 58 52	28° 0'43	24°29	29♎ 1	5°21	15°38	5°33	7°53	15° 6	10°47	12°23	29°47	28°12	10°27	17°37	M14
T 15	2 2 48	29° 0'53	9♏44	27°43	6°36	16°23	5°45	7°56	15° 9	10°45	12°24	29°44	28° 9	10°33	17°39	T 15
W16	2 6 45	0♏ 1'05	24°56	26°28	7°50	17° 8	5°57	8° 0	15°13	10°44	12°26	29°40	28° 6	10°40	17°41	W16
T 17	2 10 41	1° 1'18	9♐57	25°16	9° 5	17°53	6° 9	8° 4	15°16	10°42	12°27	29°35	28° 3	10°47	17°44	T 17
F 18	2 14 38	2° 1'34	24°37	24°12	10°20	18°38	6°22	8° 8	15°20	10°40	12°29	29°31	28° 0	10°53	17°46	F 18
S 19	2 18 34	3° 1'51	8♑52	23°16	11°35	19°23	6°34	8°13	15°24	10°39	12°31	29°27	27°56	11° 0	17°48	S 19
S 20	2 22 31	4° 2'09	22°39	22°30	12°50	20° 9	6°47	8°17	15°27	10°37	12°32	29°25	27°53	11° 7	17°50	S 20
M21	2 26 28	5° 2'29	5♒59	21°56	14° 5	20°54	6°59	8°21	15°31	10°35	12°34	29°D25	27°50	11°13	17°53	M21
T 22	2 30 24	6° 2'50	18°55	21°33	15°20	21°39	7°12	8°26	15°35	10°34	12°35	29°25	27°47	11°20	17°55	T 22
W23	2 34 21	7° 3'13	1♓30	21°D21	16°35	22°25	7°25	8°30	15°38	10°32	12°37	29°27	27°44	11°27	17°58	W23
T 24	2 38 17	8° 3'37	13°49	21°22	17°50	23°10	7°37	8°35	15°42	10°30	12°38	29°29	27°41	11°34	18° 0	T 24
F 25	2 42 14	9° 4'02	25°55	21°32	19° 5	23°56	7°50	8°39	15°46	10°29	12°39	29°R30	27°37	11°40	18° 3	F 25
S 26	2 46 10	10° 4'29	7♈53	21°54	20°20	24°41	8° 3	8°44	15°50	10°27	12°41	29°29	27°34	11°47	18° 6	S 26
S 27	2 50 7	11° 4'58	19°46	22°24	21°35	25°27	8°16	8°49	15°53	10°25	12°42	29°27	27°31	11°54	18° 8	S 27
M28	2 54 3	12° 5'28	1♉36	23° 3	22°50	26°12	8°29	8°54	15°57	10°23	12°43	29°23	27°28	12° 0	18°11	M28
T 29	2 58 0	13° 5'59	13°26	23°50	24° 5	26°58	8°41	8°59	16° 1	10°22	12°45	29°16	27°25	12° 7	18°14	T 29
W30	3 1 56	14° 6'33	25°17	24°43	25°20	27°44	8°54	9° 3	16° 4	10°20	12°46	29° 8	27°21	12°14	18°17	W30
T 31	3 5 53	15♏ 7'07	7♊11	25♎42	26♎35	28♐30	9♐ 7	9♑ 9	16♏ 8	10♉18	12♍47	28♓59	27♓18	12♉20	18♑20	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s57	15n58	3n 0	16s56	3s13	5n38	1n28	22s35	1s12	20s25	0n27	23s10	0n10	15s55	0n18	13n26	1s53	20n41	14n46	0s 1	0s27	17n42	15s47	6n41
W 2	6 20	20 30	3 50	16 58	3 11	5 10	1 29	22 43	1 12	20 27	0 26	23 10	0 10	15 56	0 18	13 26	1 53	20 40	14 47	0 2	0 28	17 45	15 48	6 40
T 3	6 43	24 14	4 29	16 56	3 7	4 41	1 30	22 50	1 12	20 30	0 26	23 10	0 10	15 57	0 18	13 25	1 53	20 40	14 47	0 3	0 29	17 48	15 48	6 40
F 4	7 6	26 58	4 57	16 51	3 2	4 13	1 31	22 58	1 13	20 32	0 26	23 10	0 10	15 58	0 18	13 25	1 53	20 39	14 47	0 4	0 30	17 50	15 48	6 39
S 5	7 29	28 31	5 12	16 41	2 56	3 44	1 32	23 5	1 13	20 34	0 26	23 10	0 10	15 59	0 18	13 24	1 53	20 39	14 47	0 5	0 32	17 53	15 49	6 39
S 6	7 51	28 42	5 14	16 27	2 48	3 15	1 32	23 12	1 13	20 37	0 26	23 10	0 10	16 0	0 18	13 24	1 53	20 39	14 48	0 6	0 33	17 56	15 49	6 38
M 7	8 14	27 28	5 1	16 8	2 39	2 46	1 33	23 19	1 13	20 39	0 26	23 10	0 10	16 1	0 18	13 23	1 53	20 38	14 48	0 6	0 34	17 59	15 49	6 38
T 8	8 36	24 48	4 34	15 44	2 28	2 16	1 33	23 26	1 14	20 41	0 26	23 10	0 10	16 2	0 18	13 23	1 53	20 38	14 48	0 6	0 35	18 2	15 50	6 37
W 9	8 59	20 47	3 51	15 16	2 15	1 47	1 34	23 32	1 14	20 43	0 25	23 10	0 10	16 3	0 18	13 22	1 53	20 37	14 49	0 6	0 37	18 4	15 50	6 37
T 10	9 21	15 35	2 55	14 43	2 0	1 18	1 34	23 38	1 14	20 46	0 25	23 10	0 10	16 5	0 18	13 22	1 53	20 37	14 49	0 5	0 38	18 7	15 50	6 36
F 11	9 43	9 26	1 46	14 6	1 43	0 48	1 35	23 44	1 14	20 48	0 25	23 10	0 10	16 6	0 18	13 21	1 53	20 37	14 50	0 5	0 39	18 10	15 51	6 36
S 12	10 5	2 36	0 29	13 24	1 25	0 19	1 35	23 50	1 15	20 50	0 25	23 9	0 9	16 7	0 18	13 21	1 53	20 36	14 50	0 4	0 40	18 13	15 51	6 36
S 13	10 27	4s32	0s52	12 40	1 6	0s11	1 35	23 55	1 15	20 53	0 25	23 9	0 9	16 8	0 18	13 20	1 53	20 36	14 50	0 5	0 42	18 15	15 51	6 35
M14	10 49	11 34	2 11	11 53	0 46	0 41	1 35	24 0	1 15	20 55	0 25	23 9	0 9	16 9	0 18	13 20	1 53	20 36	14 51	0 5	0 43	18 18	15 51	6 35
T 15	11 10	17 58	3 21	11 6	0 25	1 10	1 35	24 5	1 15	20 57	0 25	23 9	0 9	16 10	0 18	13 19	1 53	20 35	14 51	0 6	0 44	18 21	15 51	6 34
W16	11 32	23 14	4 17	10 19	0 5	1 40	1 35	24 10	1 15	20 59	0 24	23 9	0 9	16 11	0 18	13 19	1 53	20 35	14 51	0 8	0 46	18 24	15 52	6 34
T 17	11 53	26 53	4 54	9 35	0n16	2 10	1 35	24 14	1 16	21 2	0 24	23 9	0 9	16 12	0 18	13 18	1 53	20 35	14 52	0 10	0 47	18 26	15 52	6 33
F 18	12 14	28 37	5 11	8 53	0 35	2 39	1 35	24 19	1 16	21 4	0 24	23 9	0 9	16 13	0 18	13 18	1 53	20 35	14 52	0 12	0 48	18 29	15 52	6 33
S 19	12 35	28 22	5 8	8 15	0 53	3 9	1 35	24 23	1 16	21 6	0 24	23 8	0 9	16 14	0 18	13 17	1 53	20 34	14 53	0 13	0 49	18 32	15 52	6 32
S 20	12 55	26 21	4 47	7 43	1 10	3 39	1 34	24 26	1 16	21 8	0 24	23 8	0 9	16 15	0 18	13 17	1 53	20 34	14 53	0 14	0 51	18 35	15 52	6 32
M21	13 15	22 55	4 11	7 16	1 25	4 8	1 34	24 30	1 16	21 11	0 24	23 8	0 9	16 16	0 18	13 16	1 53	20 34	14 54	0 14	0 52	18 37	15 52	6 31
T 22	13 36	18 26	3 23	6 55	1 38	4 37	1 33	24 33	1 16	21 13	0 24	23 8	0 9	16 17	0 18	13 16	1 53	20 34	14 54	0 14	0 53	18 40	15 53	6 31
W23	13 56	13 16	2 27	6 40	1 50	5 7	1 33	24 36	1 16	21 15	0 24	23 8	0 8	16 18	0 18	13 15	1 53	20 34	14 54	0 13	0 54	18 43	15 53	6 31
T 24	14 15	7 41	1 24	6 31	1 59	5 36	1 32	24 38	1 17	21 17	0 23	23 7	0 8	16 20	0 18	13 14	1 53	20 33	14 55	0 13	0 56	18 45	15 53	6 30
F 25	14 35	1 56	0 19	6 28	2 7	6 5	1 32	24 41	1 17	21 20	0 23	23 7	0 8	16 21	0 18	13 14	1 53	20 33	14 55	0 12	0 57	18 48	15 53	6 30
S 26	14 54	3n50	0n45	6 31	2 13	6 34	1 31	24 43	1 17	21 22	0 23	23 7	0 8	16 22	0 18	13 13	1 53	20 33	14 56	0 12	0 58	18 51	15 53	6 29
S 27	15 13	9 26	1 48	6 38	2 17	7 3	1 30	24 45	1 17	21 24	0 23	23 7	0 8	16 23	0 18	13 13	1 53	20 33	14 56	0 13	0 59	18 54	15 53	6 29
M28	15 32	14 40	2 45	6 50	2 20	7 32	1 29	24 46	1 17	21 26	0 23	23 7	0 8	16 24	0 18	13 12	1 53	20 33	14 57	0 15	1 1	18 56	15 53	6 28
T 29	15 50	19 21	3 35	7 6	2 21	8 1	1 28	24 47	1 17	21 28	0 23	23 6	0 8	16 25	0 18	13 12	1 53	20 33	14 57	0 17	1 2	18 59	15 53	6 28
W30	16 8	23 18	4 16	7 25	2 22	8 29	1 27	24 48	1 17	21 30	0 23	23 6	0 8	16 26	0 18	13 11	1 53	20 33	14 58	0 21	1 3	19 2	15 53	6 28
T 31	16s26	26n17	4n45	7s47	2n21	8s58	1n26	24s49	1s17	21s32	0n23	23s 6	0n 8	16s27	0n18	13n11	1s53	20n33	14n58	0s24	1s 5	19n 4	15s53	6n27

Julian Day Number = 2168397.5, Delta T = 12m32s
Ecliptic obliquity = 23°32'33, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'47, Lahiri = 13°02'48 Julian Calendar 1 Oct. 1224 == Greg. Calendar 8 Oct. 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

NOVEMBER 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 9 50	16♏ 7'44	19♊10	26♎46	27♎51	29♐16	9♐21	9♑14	16♏12	10°R17	12♍48	28°R50	27♓15	12♉27	18♑23	F 1
S 2	3 13 46	17° 8'22	1♋16	27°54	29° 6	0♑ 1	9°34	9°19	16°16	10♉15	12°50	28♓41	27°12	12°34	18°26	S 2
S 3	3 17 43	18° 9'02	13°30	29° 7	0♏21	0°47	9°47	9°24	16°19	10°13	12°51	28°34	27° 9	12°40	18°29	S 3
M 4	3 21 39	19° 9'43	25°56	0♏22	1°36	1°33	10° 0	9°29	16°23	10°12	12°52	28°29	27° 6	12°47	18°33	M 4
T 5	3 25 36	20°10'26	8♌36	1°41	2°52	2°20	10°13	9°35	16°27	10°10	12°53	28°26	27° 2	12°54	18°36	T 5
W 6	3 29 32	21°11'11	21°35	3° 2	4° 7	3° 6	10°27	9°40	16°30	10° 8	12°54	28°D25	26°59	13° 0	18°39	W 6
T 7	3 33 29	22°11'57	4♍56	4°24	5°22	3°52	10°40	9°46	16°34	10° 7	12°55	28°26	26°56	13° 7	18°43	T 7
F 8	3 37 25	23°12'45	18°42	5°49	6°37	4°38	10°53	9°51	16°38	10° 5	12°56	28°27	26°53	13°14	18°46	F 8
S 9	3 41 22	24°13'34	2♎54	7°15	7°53	5°24	11° 7	9°57	16°41	10° 3	12°57	28°R27	26°50	13°20	18°50	S 9
S 10	3 45 19	25°14'25	17°31	8°42	9° 8	6°11	11°20	10° 3	16°45	10° 2	12°58	28°25	26°47	13°27	18°53	S 10
M11	3 49 15	26°15'18	2♏30	10°10	10°24	6°57	11°33	10° 8	16°49	10° 0	12°59	28°22	26°43	13°34	18°57	M11
T 12	3 53 12	27°16'11	17°43	11°39	11°39	7°43	11°47	10°14	16°53	9°59	13° 0	28°15	26°40	13°41	19° 1	T 12
W13	3 57 8	28°17'06	3♐ 0	13° 8	12°54	8°30	12° 0	10°20	16°56	9°57	13° 1	28° 6	26°37	13°47	19° 4	W13
T 14	4 1 5	29°18'03	18°10	14°39	14°10	9°16	12°14	10°26	17° 0	9°55	13° 2	27°57	26°34	13°54	19° 8	T 14
F 15	4 5 1	0♐19'00	3♑ 3	16° 9	15°25	10° 3	12°28	10°32	17° 4	9°54	13° 2	27°47	26°31	14° 1	19°12	F 15
S 16	4 8 58	1°19'58	17°31	17°40	16°41	10°49	12°41	10°38	17° 7	9°52	13° 3	27°38	26°27	14° 7	19°16	S 16
S 17	4 12 55	2°20'57	1♒29	19°12	17°56	11°36	12°55	10°44	17°11	9°51	13° 4	27°32	26°24	14°14	19°20	S 17
M18	4 16 51	3°21'57	14°57	20°44	19°11	12°23	13° 8	10°50	17°14	9°49	13° 5	27°28	26°21	14°21	19°24	M18
T 19	4 20 48	4°22'57	27°56	22°16	20°27	13° 9	13°22	10°56	17°18	9°48	13° 5	27°26	26°18	14°27	19°28	T 19
W20	4 24 44	5°23'57	10♓32	23°48	21°42	13°56	13°36	11° 2	17°22	9°46	13° 6	27°D26	26°15	14°34	19°32	W20
T 21	4 28 41	6°24'59	22°48	25°20	22°58	14°43	13°49	11° 8	17°25	9°45	13° 6	27°R27	26°12	14°41	19°36	T 21
F 22	4 32 37	7°26'01	4♈50	26°53	24°13	15°29	14° 3	11°15	17°29	9°43	13° 7	27°27	26° 8	14°47	19°40	F 22
S 23	4 36 34	8°27'03	16°43	28°25	25°29	16°16	14°17	11°21	17°32	9°42	13° 8	27°25	26° 5	14°54	19°44	S 23
S 24	4 40 30	9°28'06	28°32	29°58	26°44	17° 3	14°30	11°27	17°36	9°40	13° 8	27°20	26° 2	15° 1	19°48	S 24
M25	4 44 27	10°29'10	10♉21	1♐31	28° 0	17°50	14°44	11°34	17°39	9°39	13° 9	27°13	25°59	15° 7	19°53	M25
T 26	4 48 24	11°30'14	22°12	3° 4	29°15	18°37	14°58	11°40	17°43	9°37	13° 9	27° 3	25°56	15°14	19°57	T 26
W27	4 52 20	12°31'19	4♊ 7	4°37	0♑30	19°23	15°11	11°47	17°46	9°36	13° 9	26°50	25°53	15°21	20° 1	W27
T 28	4 56 17	13°32'25	16° 9	6°10	1°46	20°10	15°25	11°53	17°50	9°35	13°10	26°36	25°49	15°28	20° 6	T 28
F 29	5 0 13	14°33'31	28°18	7°44	3° 1	20°57	15°39	12° 0	17°53	9°33	13°10	26°22	25°46	15°34	20°10	F 29
S 30	5 4 10	15♐34'38	10♋35	9♐17	4♐17	21♑44	15♐53	12♑ 6	17♏57	9♉32	13♍10	26♓ 8	25♓43	15♉41	20♑15	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s44	28n 7	5n 3	8s12	2n19	9s26	1n25	24s50	1s17	21s35	0n23	23s 6	0n 8	16s28	0n18	13n10	1s53	20n33	14n58	0s28	1s 6	19n 7	15s53	6n27
S 2	17 1	28 39	5 7	8 39	2 17	9 54	1 24	24 50	1 17	21 37	0 22	23 5	0 8	16 29	0 18	13 10	1 53	20 33	14 59	0 32	1 7	19 10	15 53	6 26
S 3	17 19	27 46	4 57	9 7	2 14	10 21	1 23	24 50	1 17	21 39	0 22	23 5	0 7	16 30	0 18	13 9	1 53	20 33	14 59	0 34	1 8	19 12	15 53	6 26
M 4	17 35	25 31	4 33	9 37	2 10	10 49	1 21	24 49	1 17	21 41	0 22	23 5	0 7	16 31	0 18	13 9	1 53	20 33	15 0	0 36	1 10	19 15	15 53	6 26
T 5	17 52	21 58	3 55	10 9	2 6	11 16	1 20	24 49	1 17	21 43	0 22	23 4	0 7	16 33	0 18	13 8	1 53	20 33	15 0	0 38	1 11	19 18	15 53	6 25
W 6	18 8	17 17	3 5	10 41	2 1	11 43	1 19	24 48	1 17	21 45	0 22	23 4	0 7	16 34	0 18	13 8	1 53	20 33	15 1	0 38	1 12	19 20	15 53	6 25
T 7	18 24	11 39	2 3	11 14	1 55	12 9	1 17	24 46	1 17	21 47	0 22	23 4	0 7	16 35	0 18	13 7	1 53	20 33	15 1	0 38	1 13	19 23	15 53	6 24
F 8	18 39	5 17	0 52	11 47	1 50	12 36	1 16	24 45	1 17	21 49	0 22	23 3	0 7	16 36	0 18	13 7	1 53	20 33	15 2	0 37	1 15	19 26	15 53	6 24
S 9	18 55	1s31	0s24	12 21	1 44	13 2	1 14	24 43	1 17	21 51	0 22	23 3	0 7	16 37	0 18	13 6	1 53	20 33	15 2	0 37	1 16	19 28	15 53	6 24
S 10	19 9	8 27	1 40	12 55	1 38	13 27	1 12	24 41	1 17	21 53	0 22	23 3	0 7	16 38	0 18	13 6	1 53	20 33	15 3	0 38	1 17	19 31	15 53	6 23
M11	19 24	15 5	2 52	13 29	1 31	13 53	1 11	24 39	1 17	21 55	0 21	23 2	0 7	16 39	0 18	13 5	1 53	20 33	15 3	0 39	1 19	19 34	15 52	6 23
T 12	19 38	20 53	3 52	14 3	1 25	14 18	1 9	24 36	1 17	21 57	0 21	23 2	0 7	16 40	0 18	13 5	1 53	20 33	15 4	0 42	1 20	19 36	15 52	6 23
W13	19 52	25 21	4 35	14 37	1 18	14 43	1 7	24 33	1 17	21 59	0 21	23 2	0 7	16 41	0 18	13 4	1 53	20 33	15 4	0 45	1 21	19 39	15 52	6 22
T 14	20 5	27 59	4 59	15 10	1 11	15 7	1 5	24 30	1 17	22 0	0 21	23 1	0 7	16 42	0 18	13 4	1 53	20 33	15 5	0 49	1 22	19 41	15 52	6 22
F 15	20 18	28 33	5 2	15 43	1 4	15 31	1 4	24 26	1 17	22 2	0 21	23 1	0 7	16 43	0 18	13 3	1 53	20 34	15 5	0 53	1 24	19 44	15 52	6 22
S 16	20 31	27 7	4 46	16 16	0 57	15 54	1 2	24 23	1 17	22 4	0 21	23 0	0 6	16 44	0 18	13 3	1 53	20 34	15 6	0 57	1 25	19 47	15 52	6 21
S 17	20 43	24 1	4 13	16 48	0 50	16 18	1 0	24 19	1 17	22 6	0 21	23 0	0 6	16 45	0 18	13 2	1 53	20 34	15 7	0 59	1 26	19 49	15 51	6 21
M18	20 55	19 42	3 26	17 20	0 43	16 40	0 58	24 14	1 17	22 8	0 21	23 0	0 6	16 46	0 18	13 2	1 53	20 34	15 7	1 1	1 27	19 52	15 51	6 21
T 19	21 7	14 35	2 30	17 50	0 36	17 2	0 56	24 10	1 17	22 10	0 21	22 59	0 6	16 47	0 18	13 1	1 53	20 34	15 8	1 1	1 29	19 54	15 51	6 20
W20	21 18	9 1	1 29	18 21	0 28	17 24	0 54	24 5	1 16	22 11	0 20	22 59	0 6	16 48	0 18	13 1	1 53	20 35	15 8	1 1	1 30	19 57	15 51	6 20
T 21	21 28	3 15	0 25	18 50	0 21	17 46	0 52	24 0	1 16	22 13	0 20	22 58	0 6	16 49	0 18	13 1	1 53	20 35	15 9	1 1	1 31	20 0	15 50	6 20
F 22	21 39	2n32	0n39	19 19	0 14	18 6	0 50	23 54	1 16	22 15	0 20	22 58	0 6	16 50	0 18	13 0	1 53	20 35	15 9	1 1	1 32	20 2	15 50	6 19
S 23	21 49	8 9	1 41	19 47	0 7	18 27	0 47	23 48	1 16	22 17	0 20	22 57	0 6	16 51	0 18	13 0	1 53	20 35	15 10	1 2	1 34	20 5	15 50	6 19
S 24	21 58	13 27	2 37	20 14	0 0	18 47	0 45	23 42	1 16	22 18	0 20	22 57	0 6	16 52	0 18	12 59	1 53	20 36	15 10	1 4	1 35	20 7	15 49	6 19
M25	22 7	18 15	3 27	20 40	0s 7	19 6	0 43	23 36	1 16	22 20	0 20	22 57	0 6	16 53	0 18	12 59	1 53	20 36	15 11	1 7	1 36	20 10	15 49	6 19
T 26	22 16	22 22	4 7	21 5	0 13	19 25	0 41	23 30	1 16	22 22	0 20	22 56	0 6	16 54	0 18	12 59	1 53	20 36	15 11	1 11	1 38	20 12	15 49	6 18
W27	22 24	25 36	4 37	21 29	0 20	19 43	0 38	23 23	1 16	22 23	0 20	22 56	0 6	16 55	0 18	12 58	1 53	20 37	15 12	1 16	1 39	20 15	15 48	6 18
T 28	22 31	27 42	4 55	21 52	0 27	20 1	0 36	23 16	1 15	22 25	0 20	22 55	0 5	16 56	0 18	12 58	1 53	20 37	15 12	1 21	1 40	20 17	15 48	6 18
F 29	22 39	28 32	5 0	22 14	0 33	20 18	0 34	23 8	1 15	22 26	0 20	22 55	0 5	16 57	0 18	12 57	1 53	20 37	15 13	1 27	1 41	20 20	15 48	6 18
S 30	22s45	27n57	4n51	22s35	0s39	20s34	0n32	23s 1	1s15	22s28	0n20	22s54	0n 5	16s58	0n18	12n57	1s53	20n38	15n13	1s33	1s43	20n22	15s47	6n17

Julian Day Number = 2168428.5, Delta T = 12m32s
Ecliptic obliquity = 23°32'32, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'52, Lahiri = 13°02'52 Julian Calendar 1 Nov. 1224 == Greg. Calendar 8 Nov. 1224

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ASTRODIENST EPHEMERIS for the year 1224
geocentric

DECEMBER 1224 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 8 6	16♐35'45	23♋ 0	10♐51	5♐32	22♑31	16♐ 6	12♑13	18♏ 0	9°R31	13♍11	25°R57	25♓40	15♉48	20♑19	S 1
M 2	5 12 3	17°36'54	5♌36	12°25	6°48	23°18	16°20	12°20	18° 3	9♉30	13°11	25♓48	25°37	15°54	20°24	M 2
T 3	5 15 59	18°38'02	18°23	13°59	8° 3	24° 5	16°34	12°26	18° 7	9°28	13°11	25°42	25°33	16° 1	20°28	T 3
W 4	5 19 56	19°39'12	1♍24	15°33	9°19	24°52	16°48	12°33	18°10	9°27	13°11	25°39	25°30	16° 8	20°33	W 4
T 5	5 23 53	20°40'22	14°41	17° 8	10°34	25°39	17° 1	12°40	18°13	9°26	13°11	25°38	25°27	16°14	20°37	T 5
F 6	5 27 49	21°41'32	28°18	18°42	11°50	26°26	17°15	12°47	18°17	9°25	13°11	25°38	25°24	16°21	20°42	F 6
S 7	5 31 46	22°42'43	12♎15	20°17	13° 5	27°13	17°29	12°53	18°20	9°24	13°12	25°37	25°21	16°28	20°47	S 7
S 8	5 35 42	23°43'55	26°34	21°52	14°21	28° 0	17°43	13° 0	18°23	9°23	13°R12	25°35	25°18	16°34	20°51	S 8
M 9	5 39 39	24°45'08	11♏13	23°28	15°36	28°48	17°56	13° 7	18°26	9°21	13°12	25°30	25°14	16°41	20°56	M 9
T 10	5 43 35	25°46'20	26° 7	25° 3	16°52	29°35	18°10	13°14	18°29	9°20	13°12	25°22	25°11	16°48	21° 1	T 10
W11	5 47 32	26°47'34	11♐ 9	26°40	18° 7	0♒22	18°24	13°21	18°33	9°19	13°11	25°12	25° 8	16°55	21° 6	W11
T 12	5 51 28	27°48'47	26° 9	28°16	19°23	1° 9	18°37	13°28	18°36	9°18	13°11	25° 0	25° 5	17° 1	21°10	T 12
F 13	5 55 25	28°50'01	10♑58	29°52	20°38	1°56	18°51	13°35	18°39	9°17	13°11	24°47	25° 2	17° 8	21°15	F 13
S 14	5 59 22	29°51'14	25°27	1♑29	21°54	2°43	19° 5	13°42	18°42	9°16	13°11	24°36	24°59	17°15	21°20	S 14
S 15	6 3 18	0♑52'27	9♒29	3° 7	23° 9	3°31	19°18	13°49	18°45	9°15	13°11	24°28	24°55	17°21	21°25	S 15
M16	6 7 15	1°53'40	23° 3	4°44	24°25	4°18	19°32	13°56	18°48	9°15	13°11	24°22	24°52	17°28	21°30	M16
T 17	6 11 11	2°54'53	6♓ 9	6°23	25°40	5° 5	19°46	14° 3	18°51	9°14	13°10	24°19	24°49	17°35	21°35	T 17
W18	6 15 8	3°56'05	18°50	8° 1	26°56	5°52	19°59	14°10	18°54	9°13	13°10	24°18	24°46	17°41	21°40	W18
T 19	6 19 4	4°57'17	1♈ 9	9°40	28°11	6°40	20°13	14°17	18°57	9°12	13°10	24°18	24°43	17°48	21°45	T 19
F 20	6 23 1	5°58'28	13°13	11°19	29°27	7°27	20°26	14°24	18°59	9°11	13° 9	24°17	24°39	17°55	21°49	F 20
S 21	6 26 58	6°59'39	25° 7	12°58	0♑42	8°14	20°40	14°31	19° 2	9°11	13° 9	24°16	24°36	18° 2	21°54	S 21
S 22	6 30 54	8° 0'49	6♉56	14°38	1°58	9° 1	20°53	14°38	19° 5	9°10	13° 8	24°12	24°33	18° 8	21°59	S 22
M23	6 34 51	9° 1'58	18°46	16°18	3°13	9°48	21° 7	14°45	19° 8	9° 9	13° 8	24° 6	24°30	18°15	22° 4	M23
T 24	6 38 47	10° 3'08	0♊39	17°58	4°29	10°36	21°20	14°52	19°10	9° 8	13° 8	23°57	24°27	18°22	22° 9	T 24
W25	6 42 44	11° 4'16	12°40	19°39	5°44	11°23	21°33	14°59	19°13	9° 8	13° 7	23°45	24°24	18°28	22°14	W25
T 26	6 46 40	12° 5'24	24°50	21°20	6°59	12°10	21°47	15° 6	19°16	9° 7	13° 6	23°32	24°20	18°35	22°19	T 26
F 27	6 50 37	13° 6'32	7♋11	23° 1	8°15	12°57	22° 0	15°14	19°18	9° 7	13° 6	23°19	24°17	18°42	22°25	F 27
S 28	6 54 33	14° 7'39	19°43	24°42	9°30	13°45	22°13	15°21	19°21	9° 6	13° 5	23° 6	24°14	18°48	22°30	S 28
S 29	6 58 30	15° 8'45	2♌26	26°23	10°46	14°32	22°27	15°28	19°23	9° 6	13° 5	22°55	24°11	18°55	22°35	S 29
M30	7 2 27	16° 9'51	15°20	28° 3	12° 1	15°19	22°40	15°35	19°26	9° 5	13° 4	22°47	24° 8	19° 2	22°40	M30
T 31	7 6 23	17♑10'56	28♌25	29♑44	13♑17	16♒ 6	22♐53	15♑42	19♏28	9♉ 5	13♍ 3	22♓41	24♓ 5	19♉ 9	22♑45	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	
S 1	22s52	25n58	4n28	22s55	0s46	20s50	0n29	22s53	1s15	22s29	0n19	22s53	0n 5	16s59	0n18	12n57	1s53	20n38	15n14	1s37	1s44	20n25	15s47	6n17	S 1
M 2	22 58	22 41	3 51	23 14	0 52	21 6	0 27	22 45	1 15	22 31	0 19	22 53	0 5	17 0	0 18	12 56	1 53	20 39	15 15	1 41	1 45	20 28	15 46	6 17	M 2
T 3	23 3	18 17	3 3	23 32	0 58	21 21	0 24	22 36	1 14	22 32	0 19	22 52	0 5	17 1	0 18	12 56	1 52	20 39	15 15	1 43	1 46	20 30	15 46	6 17	T 3
W 4	23 8	12 57	2 4	23 48	1 3	21 35	0 22	22 28	1 14	22 34	0 19	22 52	0 5	17 2	0 18	12 56	1 52	20 39	15 16	1 44	1 48	20 33	15 46	6 16	W 4
T 5	23 13	6 56	0 57	24 4	1 9	21 48	0 20	22 19	1 14	22 35	0 19	22 51	0 5	17 3	0 18	12 55	1 52	20 40	15 16	1 45	1 49	20 35	15 45	6 16	T 5
F 6	23 17	0 28	0s14	24 18	1 14	22 1	0 17	22 10	1 14	22 37	0 19	22 51	0 5	17 4	0 18	12 55	1 52	20 40	15 17	1 45	1 50	20 38	15 45	6 16	F 6
S 7	23 20	6s11	1 27	24 30	1 20	22 13	0 15	22 0	1 14	22 38	0 19	22 50	0 5	17 5	0 18	12 55	1 52	20 41	15 17	1 45	1 51	20 40	15 44	6 16	S 7
S 8	23 24	12 42	2 35	24 42	1 25	22 25	0 12	21 51	1 13	22 40	0 19	22 50	0 5	17 6	0 18	12 54	1 52	20 41	15 18	1 46	1 53	20 43	15 44	6 16	S 8
M 9	23 26	18 40	3 36	24 52	1 29	22 36	0 10	21 41	1 13	22 41	0 19	22 49	0 5	17 6	0 18	12 54	1 52	20 42	15 18	1 48	1 54	20 45	15 43	6 15	M 9
T 10	23 28	23 36	4 22	25 1	1 34	22 46	0 8	21 31	1 13	22 42	0 19	22 48	0 5	17 7	0 18	12 54	1 52	20 42	15 19	1 51	1 55	20 48	15 43	6 15	T 10
W11	23 30	27 1	4 51	25 8	1 38	22 55	0 5	21 20	1 13	22 43	0 19	22 48	0 4	17 8	0 18	12 53	1 52	20 43	15 19	1 55	1 56	20 50	15 42	6 15	W11
T 12	23 31	28 29	5 0	25 14	1 42	23 4	0 3	21 10	1 12	22 45	0 18	22 47	0 4	17 9	0 18	12 53	1 52	20 43	15 20	2 0	1 58	20 52	15 42	6 15	T 12
F 13	23 32	27 52	4 48	25 19	1 46	23 12	0 0	20 59	1 12	22 46	0 18	22 46	0 4	17 10	0 18	12 53	1 52	20 44	15 20	2 5	1 59	20 55	15 41	6 15	F 13
S 14	23 33	25 22	4 18	25 22	1 50	23 20	0s 2	20 48	1 12	22 47	0 18	22 46	0 4	17 11	0 18	12 53	1 52	20 44	15 21	2 9	2 0	20 57	15 40	6 15	S 14
S 15	23 32	21 22	3 33	25 23	1 53	23 26	0 5	20 37	1 11	22 48	0 18	22 45	0 4	17 12	0 18	12 52	1 52	20 45	15 22	2 13	2 2	21 0	15 40	6 14	S 15
M16	23 32	16 22	2 37	25 23	1 56	23 32	0 7	20 25	1 11	22 50	0 18	22 45	0 4	17 12	0 18	12 52	1 52	20 45	15 22	2 15	2 3	21 2	15 39	6 14	M16
T 17	23 31	10 45	1 34	25 21	1 58	23 38	0 9	20 13	1 11	22 51	0 18	22 44	0 4	17 13	0 18	12 52	1 52	20 46	15 23	2 16	2 4	21 5	15 39	6 14	T 17
W18	23 29	4 53	0 29	25 18	2 1	23 42	0 12	20 1	1 10	22 52	0 18	22 43	0 4	17 14	0 18	12 52	1 52	20 47	15 23	2 17	2 5	21 7	15 38	6 14	W18
T 19	23 27	1n 1	0n36	25 14	2 3	23 46	0 14	19 49	1 10	22 53	0 18	22 43	0 4	17 15	0 18	12 52	1 52	20 47	15 24	2 17	2 7	21 10	15 37	6 14	T 19
F 20	23 24	6 45	1 38	25 7	2 4	23 49	0 16	19 37	1 10	22 54	0 18	22 42	0 4	17 16	0 18	12 51	1 52	20 48	15 24	2 17	2 8	21 12	15 37	6 14	F 20
S 21	23 21	12 10	2 35	24 59	2 5	23 51	0 19	19 24	1 10	22 55	0 18	22 41	0 4	17 16	0 18	12 51	1 52	20 49	15 25	2 17	2 9	21 14	15 36	6 14	S 21
S 22	23 18	17 7	3 25	24 49	2 6	23 53	0 21	19 11	1 9	22 56	0 18	22 40	0 4	17 17	0 18	12 51	1 52	20 49	15 25	2 19	2 10	21 17	15 35	6 14	S 22
M23	23 14	21 25	4 6	24 38	2 6	23 54	0 23	18 58	1 9	22 57	0 18	22 40	0 4	17 18	0 18	12 51	1 51	20 50	15 26	2 21	2 12	21 19	15 35	6 13	M23
T 24	23 10	24 53	4 37	24 25	2 6	23 54	0 26	18 45	1 8	22 58	0 17	22 39	0 4	17 19	0 18	12 51	1 51	20 50	15 26	2 25	2 13	21 22	15 34	6 13	T 24
W25	23 5	27 18	4 55	24 10	2 6	23 53	0 28	18 32	1 8	22 59	0 17	22 38	0 3	17 19	0 18	12 51	1 51	20 51	15 27	2 29	2 14	21 24	15 33	6 13	W25
T 26	22 59	28 27	5 1	23 54	2 5	23 52	0 30	18 18	1 8	23 0	0 17	22 38	0 3	17 20	0 18	12 50	1 51	20 52	15 27	2 35	2 15	21 27	15 33	6 13	T 26
F 27	22 54	28 13	4 52	23 35	2 3	23 49	0 33	18 4	1 7	23 1	0 17	22 37	0 3	17 21	0 18	12 50	1 51	20 52	15 28	2 40	2 17	21 29	15 32	6 13	F 27
S 28	22 47	26 32	4 30	23 16	2 1	23 47	0 35	17 50	1 7	23 2	0 17	22 36	0 3	17 21	0 18	12 50	1 51	20 53	15 28	2 45	2 18	21 31	15 31	6 13	S 28
S 29	22 41	23 29	3 53	22 54	1 58	23 43	0 37	17 36	1 7	23 2	0 17	22 35	0 3	17 22	0 18	12 50	1 51	20 54	15 29	2 49	2 19	21 34	15 30	6 13	S 29
M30	22 34	19 14	3 4	22 31	1 55	23 39	0 39	17 22	1 6	23 3	0 17	22 35	0 3	17 23	0 18	12 50	1 51	20 55	15 29	2 53	2 20	21 36	15 30	6 13	M30
T 31	22s26	14n 2	2n 5	22s 6	1s51	23s34	0s41	17s 7	1s 6	23s 4	0n17	22s34	0n 3	17s23	0n18	12n50	1s51	20n55	15n30	2s55	2s22	21n38	15s29	6n13	T 31

Julian Day Number = 2168458.5, Delta T = 12m32s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°55'56, Lahiri = 13°02'56 Julian Calendar 1 Dec. 1224 == Greg. Calendar 8 Dec. 1224

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

JANUARY 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 10 20	18♉12'01	11♍41	1♒24	14♉32	16♒53	23♐ 6	15♉49	19♏30	9°R 4	13°R 2	22°R39	24♓ 1	19♉15	22♉50	W 1
T 2	7 14 16	19°13'05	25° 8	3° 3	15°47	17°41	23°19	15°56	19°33	9♉ 4	13♍ 2	22°D38	23°58	19°22	22°55	T 2
F 3	7 18 13	20°14'09	8♎47	4°41	17° 3	18°28	23°32	16° 3	19°35	9° 4	13° 1	22♓39	23°55	19°29	23° 0	F 3
S 4	7 22 9	21°15'13	22°40	6°18	18°18	19°15	23°45	16°10	19°37	9° 3	13° 0	22°R39	23°52	19°35	23° 5	S 4
S 5	7 26 6	22°16'16	6♏47	7°54	19°34	20° 2	23°58	16°17	19°40	9° 3	12°59	22°38	23°49	19°42	23°10	S 5
M 6	7 30 2	23°17'18	21° 6	9°28	20°49	20°49	24°11	16°25	19°42	9° 3	12°58	22°35	23°45	19°49	23°15	M 6
T 7	7 33 59	24°18'20	5♐35	10°59	22° 4	21°36	24°24	16°32	19°44	9° 3	12°57	22°29	23°42	19°55	23°20	T 7
W 8	7 37 56	25°19'22	20°10	12°27	23°20	22°24	24°37	16°39	19°46	9° 3	12°56	22°22	23°39	20° 2	23°25	W 8
T 9	7 41 52	26°20'22	4♑45	13°52	24°35	23°11	24°50	16°46	19°48	9° 3	12°55	22°12	23°36	20° 9	23°31	T 9
F 10	7 45 49	27°21'22	19°12	15°13	25°50	23°58	25° 2	16°53	19°50	9° 2	12°54	22° 3	23°33	20°16	23°36	F 10
S 11	7 49 45	28°22'21	3♒25	16°30	27° 6	24°45	25°15	17° 0	19°52	9° 2	12°53	21°54	23°30	20°22	23°41	S 11
S 12	7 53 42	29°23'18	17°18	17°40	28°21	25°32	25°28	17° 7	19°54	9°D 2	12°52	21°47	23°26	20°29	23°46	S 12
M13	7 57 38	0♒24'15	0♓48	18°45	29°36	26°19	25°40	17°14	19°55	9° 2	12°51	21°43	23°23	20°36	23°51	M13
T 14	8 1 35	1°25'10	13°54	19°43	0♒52	27° 6	25°53	17°21	19°57	9° 3	12°50	21°41	23°20	20°42	23°56	T 14
W15	8 5 32	2°26'03	26°37	20°32	2° 7	27°53	26° 5	17°28	19°59	9° 3	12°49	21°D41	23°17	20°49	24° 1	W15
T 16	8 9 28	3°26'55	9♈ 0	21°14	3°22	28°40	26°17	17°35	20° 1	9° 3	12°48	21°42	23°14	20°56	24° 6	T 16
F 17	8 13 25	4°27'46	21° 7	21°46	4°38	29°27	26°30	17°42	20° 2	9° 3	12°47	21°43	23°11	21° 2	24°11	F 17
S 18	8 17 21	5°28'35	3♉ 4	22° 7	5°53	0♓14	26°42	17°49	20° 4	9° 3	12°46	21°R44	23° 7	21° 9	24°16	S 18
S 19	8 21 18	6°29'23	14°55	22°19	7° 8	1° 1	26°54	17°56	20° 5	9° 3	12°44	21°43	23° 4	21°16	24°21	S 19
M20	8 25 14	7°30'09	26°46	22°R20	8°23	1°48	27° 6	18° 2	20° 7	9° 4	12°43	21°41	23° 1	21°23	24°26	M20
T 21	8 29 11	8°30'54	8♊41	22° 9	9°38	2°35	27°18	18° 9	20° 8	9° 4	12°42	21°37	22°58	21°29	24°31	T 21
W22	8 33 7	9°31'37	20°46	21°48	10°54	3°22	27°30	18°16	20°10	9° 4	12°41	21°31	22°55	21°36	24°36	W22
T 23	8 37 4	10°32'19	3♋ 2	21°17	12° 9	4° 9	27°42	18°23	20°11	9° 5	12°39	21°24	22°51	21°43	24°41	T 23
F 24	8 41 1	11°32'59	15°32	20°36	13°24	4°56	27°54	18°30	20°12	9° 5	12°38	21°17	22°48	21°49	24°46	F 24
S 25	8 44 57	12°33'37	28°18	19°47	14°39	5°42	28° 6	18°36	20°13	9° 5	12°37	21° 9	22°45	21°56	24°51	S 25
S 26	8 48 54	13°34'14	11♌19	18°50	15°54	6°29	28°17	18°43	20°15	9° 6	12°35	21° 3	22°42	22° 3	24°55	S 26
M27	8 52 50	14°34'49	24°35	17°48	17° 9	7°16	28°29	18°50	20°16	9° 6	12°34	20°59	22°39	22° 9	25° 0	M27
T 28	8 56 47	15°35'23	8♍ 5	16°42	18°25	8° 3	28°40	18°56	20°17	9° 7	12°33	20°56	22°36	22°16	25° 5	T 28
W29	9 0 43	16°35'55	21°45	15°34	19°40	8°49	28°52	19° 3	20°18	9° 8	12°31	20°D56	22°32	22°23	25°10	W29
T 30	9 4 40	17°36'26	5♎35	14°25	20°55	9°36	29° 3	19° 9	20°19	9° 8	12°30	20°56	22°29	22°30	25°15	T 30
F 31	9 8 36	18♒36'55	19♎32	13♒18	22♒10	10♓23	29♐14	19♉16	20♏20	9♉ 9	12♍28	20♓58	22♓26	22♉36	25♉20	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s18	8n 6	0n58	21s40	1s46	23s28	0s43	16s53	1s 5	23s 5	0n17	22s33	0n 3	17s24	0n18	12n50	1s51	20n56	15n30	2s56	2s23	21n41	15s28	6n13
T 2	22 9	1 44	0s13	21 12	1 41	23 21	0 45	16 38	1 5	23 6	0 17	22 32	0 3	17 25	0 18	12 50	1 51	20 57	15 31	2 56	2 24	21 43	15 27	6 13
F 3	22 1	4s48	1 25	20 42	1 35	23 14	0 47	16 23	1 5	23 6	0 17	22 32	0 3	17 25	0 18	12 50	1 51	20 57	15 31	2 56	2 26	21 45	15 27	6 13
S 4	21 51	11 13	2 33	20 12	1 28	23 6	0 49	16 8	1 4	23 7	0 17	22 31	0 3	17 26	0 18	12 50	1 51	20 58	15 31	2 56	2 27	21 48	15 26	6 13
S 5	21 42	17 11	3 33	19 40	1 20	22 57	0 51	15 52	1 4	23 8	0 17	22 30	0 3	17 26	0 18	12 50	1 51	20 59	15 32	2 56	2 28	21 50	15 25	6 13
M 6	21 31	22 17	4 20	19 7	1 12	22 48	0 53	15 37	1 3	23 8	0 16	22 29	0 3	17 27	0 18	12 50	1 51	21 0	15 32	2 57	2 29	21 52	15 24	6 13
T 7	21 21	26 7	4 52	18 33	1 3	22 38	0 55	15 21	1 3	23 9	0 16	22 28	0 3	17 28	0 18	12 50	1 51	21 0	15 33	3 0	2 31	21 55	15 23	6 13
W 8	21 10	28 14	5 4	17 59	0 52	22 27	0 57	15 6	1 3	23 10	0 16	22 28	0 2	17 28	0 18	12 50	1 50	21 1	15 33	3 3	2 32	21 57	15 22	6 13
T 9	20 58	28 25	4 57	17 24	0 41	22 15	0 58	14 50	1 2	23 10	0 16	22 27	0 2	17 29	0 18	12 50	1 50	21 2	15 34	3 6	2 33	21 59	15 22	6 13
F 10	20 47	26 38	4 32	16 48	0 29	22 3	1 0	14 34	1 2	23 11	0 16	22 26	0 2	17 29	0 18	12 50	1 50	21 3	15 34	3 10	2 34	22 2	15 21	6 13
S 11	20 35	23 11	3 49	16 13	0 16	21 50	1 2	14 17	1 1	23 11	0 16	22 25	0 2	17 30	0 18	12 50	1 50	21 4	15 34	3 13	2 36	22 4	15 20	6 13
S 12	20 22	18 28	2 54	15 39	0 3	21 37	1 3	14 1	1 1	23 12	0 16	22 24	0 2	17 30	0 18	12 50	1 50	21 4	15 35	3 16	2 37	22 6	15 19	6 13
M13	20 9	12 57	1 50	15 5	0n12	21 23	1 5	13 44	1 0	23 12	0 16	22 24	0 2	17 31	0 18	12 50	1 50	21 5	15 35	3 18	2 38	22 9	15 18	6 13
T 14	19 56	7 0	0 42	14 33	0 27	21 8	1 7	13 28	1 0	23 13	0 16	22 23	0 2	17 31	0 18	12 50	1 50	21 6	15 36	3 19	2 39	22 11	15 17	6 13
W15	19 42	0 57	0n27	14 2	0 43	20 53	1 8	13 11	0 59	23 13	0 16	22 22	0 2	17 32	0 18	12 50	1 50	21 7	15 36	3 19	2 41	22 13	15 16	6 13
T 16	19 28	4n59	1 32	13 33	0 59	20 37	1 9	12 54	0 59	23 14	0 16	22 21	0 2	17 32	0 18	12 50	1 50	21 8	15 36	3 18	2 42	22 15	15 15	6 13
F 17	19 14	10 37	2 32	13 7	1 16	20 20	1 11	12 37	0 58	23 14	0 16	22 20	0 2	17 32	0 18	12 50	1 50	21 8	15 37	3 18	2 43	22 18	15 14	6 13
S 18	18 59	15 47	3 25	12 44	1 33	20 3	1 12	12 20	0 58	23 15	0 16	22 19	0 2	17 33	0 18	12 50	1 50	21 9	15 37	3 18	2 44	22 20	15 14	6 13
S 19	18 44	20 19	4 8	12 24	1 50	19 45	1 13	12 3	0 57	23 15	0 15	22 19	0 2	17 33	0 18	12 51	1 50	21 10	15 38	3 18	2 46	22 22	15 13	6 13
M20	18 28	24 4	4 40	12 7	2 7	19 27	1 15	11 46	0 57	23 15	0 15	22 18	0 2	17 34	0 18	12 51	1 50	21 11	15 38	3 19	2 47	22 25	15 12	6 14
T 21	18 13	26 48	5 1	11 55	2 24	19 8	1 16	11 28	0 56	23 16	0 15	22 17	0 2	17 34	0 18	12 51	1 50	21 12	15 38	3 20	2 48	22 27	15 11	6 14
W22	17 57	28 21	5 9	11 47	2 39	18 48	1 17	11 11	0 56	23 16	0 15	22 16	0 1	17 34	0 18	12 51	1 50	21 12	15 39	3 23	2 50	22 29	15 10	6 14
T 23	17 40	28 33	5 3	11 43	2 54	18 28	1 18	10 53	0 55	23 16	0 15	22 15	0 1	17 35	0 18	12 51	1 49	21 13	15 39	3 25	2 51	22 31	15 9	6 14
F 24	17 24	27 18	4 42	11 43	3 7	18 8	1 19	10 36	0 55	23 16	0 15	22 14	0 1	17 35	0 18	12 51	1 49	21 14	15 39	3 28	2 52	22 33	15 8	6 14
S 25	17 7	24 37	4 7	11 48	3 19	17 47	1 20	10 18	0 54	23 17	0 15	22 13	0 1	17 35	0 18	12 52	1 49	21 15	15 40	3 31	2 53	22 36	15 7	6 14
S 26	16 49	20 38	3 19	11 56	3 29	17 25	1 21	10 0	0 54	23 17	0 15	22 13	0 1	17 36	0 18	12 52	1 49	21 16	15 40	3 34	2 55	22 38	15 6	6 14
M27	16 32	15 33	2 18	12 8	3 36	17 3	1 22	9 42	0 53	23 17	0 15	22 12	0 1	17 36	0 18	12 52	1 49	21 16	15 40	3 35	2 56	22 40	15 5	6 14
T 28	16 14	9 39	1 9	12 22	3 42	16 41	1 22	9 24	0 53	23 17	0 15	22 11	0 1	17 36	0 18	12 52	1 49	21 17	15 41	3 36	2 57	22 42	15 4	6 15
W29	15 56	3 13	0s 5	12 39	3 45	16 18	1 23	9 6	0 52	23 17	0 15	22 10	0 1	17 37	0 18	12 53	1 49	21 18	15 41	3 37	2 58	22 45	15 3	6 15
T 30	15 37	3s26	1 19	12 59	3 46	15 54	1 24	8 48	0 52	23 18	0 15	22 9	0 1	17 37	0 18	12 53	1 49	21 19	15 41	3 36	3 0	22 47	15 2	6 15
F 31	15s19	9s59	2s30	13s19	3n44	15s31	1s24	8s30	0s51	23s18	0n15	22s 8	0n 1	17s37	0n18	12n53	1s49	21n20	15n41	3s36	3s 1	22n49	15s 1	6n15

Julian Day Number = 2168489.5, Delta T = 12m32s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'00, Lahiri = 13°03'00 Julian Calendar 1 Jan. 1225 == Greg. Calendar 8 Jan. 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

FEBRUARY 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 33	19♒37'23	3♏36	12°R15	23♒25	11♓ 9	29♐25	19♑22	20♏20	9♉10	12°R27	20♓59	22♓23	22♉43	25♑24	S 1
S 2	9 16 30	20°37'50	17°44	11♒15	24°40	11°56	29°36	19°29	20°21	9°10	12♍26	21°R 0	22°20	22°50	25°29	S 2
M 3	9 20 26	21°38'16	1♐55	10°21	25°55	12°42	29°47	19°35	20°22	9°11	12°24	21° 0	22°17	22°56	25°34	M 3
T 4	9 24 23	22°38'40	16° 6	9°33	27°10	13°29	29°58	19°42	20°23	9°12	12°23	20°58	22°13	23° 3	25°38	T 4
W 5	9 28 19	23°39'03	0♑17	8°52	28°25	14°15	0♑ 9	19°48	20°23	9°13	12°21	20°55	22°10	23°10	25°43	W 5
T 6	9 32 16	24°39'24	14°22	8°18	29°40	15° 2	0°20	19°54	20°24	9°13	12°20	20°51	22° 7	23°17	25°48	T 6
F 7	9 36 12	25°39'44	28°19	7°51	0♓55	15°48	0°30	20° 1	20°24	9°14	12°18	20°47	22° 4	23°23	25°52	F 7
S 8	9 40 9	26°40'02	12♒ 5	7°32	2°10	16°35	0°41	20° 7	20°25	9°15	12°16	20°44	22° 1	23°30	25°57	S 8
S 9	9 44 5	27°40'18	25°35	7°19	3°25	17°21	0°51	20°13	20°25	9°16	12°15	20°41	21°57	23°37	26° 1	S 9
M10	9 48 2	28°40'33	8♓49	7°D14	4°40	18° 7	1° 1	20°19	20°26	9°17	12°13	20°39	21°54	23°43	26° 6	M10
T 11	9 51 59	29°40'45	21°44	7°15	5°55	18°54	1°12	20°25	20°26	9°18	12°12	20°D39	21°51	23°50	26°10	T 11
W12	9 55 55	0♓40'56	4♈22	7°23	7°10	19°40	1°22	20°31	20°26	9°19	12°10	20°39	21°48	23°57	26°15	W12
T 13	9 59 52	1°41'04	16°44	7°36	8°25	20°26	1°32	20°37	20°26	9°20	12° 9	20°41	21°45	24° 3	26°19	T 13
F 14	10 3 48	2°41'11	28°52	7°56	9°39	21°12	1°42	20°43	20°27	9°21	12° 7	20°42	21°42	24°10	26°23	F 14
S 15	10 7 45	3°41'15	10♉50	8°20	10°54	21°58	1°51	20°49	20°27	9°22	12° 6	20°44	21°38	24°17	26°28	S 15
S 16	10 11 41	4°41'17	22°43	8°49	12° 9	22°44	2° 1	20°55	20°R27	9°24	12° 4	20°45	21°35	24°24	26°32	S 16
M17	10 15 38	5°41'17	4♊35	9°23	13°24	23°31	2°10	21° 0	20°27	9°25	12° 2	20°R45	21°32	24°30	26°36	M17
T 18	10 19 34	6°41'15	16°31	10° 1	14°39	24°17	2°20	21° 6	20°27	9°26	12° 1	20°45	21°29	24°37	26°40	T 18
W19	10 23 31	7°41'11	28°35	10°44	15°53	25° 3	2°29	21°12	20°26	9°27	11°59	20°44	21°26	24°44	26°44	W19
T 20	10 27 28	8°41'04	10♋52	11°30	17° 8	25°48	2°38	21°17	20°26	9°29	11°57	20°43	21°23	24°50	26°48	T 20
F 21	10 31 24	9°40'55	23°26	12°19	18°23	26°34	2°47	21°23	20°26	9°30	11°56	20°41	21°19	24°57	26°53	F 21
S 22	10 35 21	10°40'44	6♌19	13°12	19°38	27°20	2°56	21°28	20°26	9°31	11°54	20°39	21°16	25° 4	26°57	S 22
S 23	10 39 17	11°40'31	19°33	14° 7	20°52	28° 6	3° 5	21°34	20°25	9°33	11°53	20°38	21°13	25°11	27° 1	S 23
M24	10 43 14	12°40'16	3♍ 6	15° 6	22° 7	28°52	3°14	21°39	20°25	9°34	11°51	20°38	21°10	25°17	27° 4	M24
T 25	10 47 10	13°39'58	16°59	16° 7	23°21	29°38	3°22	21°44	20°25	9°35	11°49	20°D37	21° 7	25°24	27° 8	T 25
W26	10 51 7	14°39'39	1♎ 6	17°11	24°36	0♈23	3°31	21°50	20°24	9°37	11°48	20°37	21° 3	25°31	27°12	W26
T 27	10 55 3	15°39'17	15°25	18°17	25°51	1° 9	3°39	21°55	20°23	9°38	11°46	20°38	21° 0	25°37	27°16	T 27
F 28	10 59 0	16♓38'54	29♎50	19♒25	27♓ 5	1♈54	3♑47	22♑ 0	20♏23	9♉40	11♍45	20♓38	20♓57	25♉44	27♑20	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 0	16s 5	3s32	13s40	3n40	15s 6	1s25	8s12	0s51	23s18	0n15	22s 7	0n 1	17s37	0n18	12n53	1s49	21n21	15n42	3s35	3s 2	22n51	15s 0	6n15
S 2	14 41	21 23	4 22	14 2	3 35	14 42	1 25	7 53	0 50	23 18	0 14	22 7	0 1	17 37	0 18	12 54	1 49	21 21	15 42	3 35	3 3	22 53	14 59	6 15
M 3	14 21	25 28	4 56	14 24	3 27	14 17	1 26	7 35	0 49	23 18	0 14	22 6	0 1	17 38	0 18	12 54	1 49	21 22	15 42	3 35	3 5	22 55	14 58	6 16
T 4	14 2	27 59	5 12	14 45	3 18	13 51	1 26	7 16	0 49	23 18	0 14	22 5	0 0	17 38	0 18	12 54	1 49	21 23	15 42	3 36	3 6	22 58	14 57	6 16
W 5	13 42	28 41	5 9	15 6	3 8	13 25	1 26	6 58	0 48	23 18	0 14	22 4	0 0	17 38	0 18	12 55	1 49	21 24	15 43	3 37	3 7	23 0	14 56	6 16
T 6	13 22	27 31	4 47	15 25	2 57	12 59	1 26	6 39	0 48	23 18	0 14	22 3	0 0	17 38	0 18	12 55	1 49	21 25	15 43	3 38	3 8	23 2	14 55	6 16
F 7	13 1	24 39	4 9	15 43	2 45	12 33	1 27	6 21	0 47	23 18	0 14	22 2	0 0	17 38	0 18	12 55	1 49	21 25	15 43	3 40	3 10	23 4	14 54	6 16
S 8	12 41	20 23	3 16	16 1	2 33	12 6	1 27	6 2	0 47	23 18	0 14	22 2	0 0	17 38	0 18	12 56	1 48	21 26	15 43	3 41	3 11	23 6	14 53	6 17
S 9	12 20	15 8	2 13	16 16	2 20	11 38	1 27	5 43	0 46	23 18	0 14	22 1	0 0	17 38	0 18	12 56	1 48	21 27	15 43	3 43	3 12	23 8	14 52	6 17
M10	11 59	9 18	1 5	16 30	2 6	11 11	1 27	5 25	0 45	23 18	0 14	22 0	0 0	17 39	0 18	12 56	1 48	21 28	15 44	3 43	3 13	23 10	14 51	6 17
T 11	11 38	3 12	0n 6	16 43	1 53	10 43	1 26	5 6	0 45	23 18	0 14	21 59	0s 0	17 39	0 18	12 57	1 48	21 28	15 44	3 43	3 15	23 13	14 50	6 17
W12	11 17	2n53	1 15	16 54	1 40	10 15	1 26	4 47	0 44	23 18	0 14	21 58	0 0	17 39	0 18	12 57	1 48	21 29	15 44	3 43	3 16	23 15	14 49	6 18
T 13	10 55	8 44	2 19	17 3	1 26	9 47	1 26	4 29	0 44	23 18	0 14	21 57	0 0	17 39	0 18	12 57	1 48	21 30	15 44	3 43	3 17	23 17	14 47	6 18
F 14	10 34	14 10	3 15	17 11	1 13	9 18	1 26	4 10	0 43	23 18	0 14	21 57	0 0	17 39	0 18	12 58	1 48	21 31	15 44	3 42	3 18	23 19	14 46	6 18
S 15	10 12	18 59	4 3	17 17	1 0	8 49	1 25	3 51	0 43	23 18	0 14	21 56	0 0	17 39	0 18	12 58	1 48	21 32	15 44	3 41	3 20	23 21	14 45	6 18
S 16	9 50	23 1	4 39	17 22	0 48	8 20	1 25	3 32	0 42	23 18	0 13	21 55	0 0	17 39	0 18	12 59	1 48	21 32	15 45	3 41	3 21	23 23	14 44	6 19
M17	9 28	26 7	5 4	17 25	0 35	7 51	1 24	3 13	0 41	23 18	0 13	21 54	0 0	17 39	0 18	12 59	1 48	21 33	15 45	3 41	3 22	23 25	14 43	6 19
T 18	9 6	28 5	5 15	17 26	0 23	7 21	1 24	2 54	0 41	23 18	0 13	21 53	0 1	17 39	0 18	13 0	1 48	21 34	15 45	3 41	3 24	23 27	14 42	6 19
W19	8 43	28 45	5 13	17 26	0 11	6 52	1 23	2 36	0 40	23 18	0 13	21 52	0 1	17 39	0 18	13 0	1 48	21 34	15 45	3 41	3 25	23 29	14 41	6 20
T 20	8 21	28 1	4 57	17 24	0 0	6 22	1 22	2 17	0 40	23 18	0 13	21 52	0 1	17 39	0 18	13 0	1 48	21 35	15 45	3 42	3 26	23 31	14 40	6 20
F 21	7 58	25 52	4 26	17 21	0s11	5 52	1 22	1 58	0 39	23 18	0 13	21 51	0 1	17 39	0 18	13 1	1 48	21 36	15 45	3 42	3 27	23 33	14 39	6 20
S 22	7 36	22 21	3 41	17 16	0 21	5 22	1 21	1 39	0 38	23 18	0 13	21 50	0 1	17 39	0 18	13 1	1 48	21 37	15 45	3 43	3 29	23 35	14 38	6 20
S 23	7 13	17 37	2 44	17 10	0 32	4 51	1 20	1 20	0 38	23 17	0 13	21 49	0 1	17 38	0 18	13 2	1 48	21 37	15 45	3 44	3 30	23 38	14 37	6 21
M24	6 50	11 54	1 36	17 2	0 41	4 21	1 19	1 1	0 37	23 17	0 13	21 49	0 1	17 38	0 18	13 2	1 48	21 38	15 45	3 44	3 31	23 40	14 36	6 21
T 25	6 27	5 28	0 20	16 53	0 51	3 50	1 18	0 42	0 37	23 17	0 13	21 48	0 1	17 38	0 18	13 3	1 47	21 39	15 45	3 44	3 32	23 42	14 35	6 21
W26	6 4	1s19	0s58	16 42	0 59	3 20	1 17	0 24	0 36	23 17	0 13	21 47	0 1	17 38	0 18	13 3	1 47	21 39	15 45	3 44	3 34	23 44	14 34	6 22
T 27	5 41	8 8	2 13	16 29	1 8	2 49	1 16	0 5	0 35	23 17	0 13	21 46	0 1	17 38	0 18	13 4	1 47	21 40	15 45	3 44	3 35	23 46	14 33	6 22
F 28	5s18	14s35	3s21	16s16	1s16	2s18	1s14	0n14	0s35	23s17	0n13	21s46	0s 1	17s38	0n18	13n 4	1s47	21n41	15n45	3s44	3s36	23n48	14s32	6n22

Julian Day Number = 2168520.5, Delta T = 12m32s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'04, Lahiri = 13°03'05 Julian Calendar 1 Feb. 1225 == Greg. Calendar 8 Feb. 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

MARCH 1225 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 56	17♓38'29	14♏16	20♒36	28♓20	2♈40	3♑55	22♑ 5	20°R22	9♉41	11°R43	20♓38	20♓54	25♉51	27♑23	S 1
S 2	11 6 53	18°38'02	28°40	21°49	29°34	3°25	4° 3	22°10	20♏22	9°43	11♍41	20°39	20°51	25°58	27°27	S 2
M 3	11 10 50	19°37'33	12♐56	23° 3	0♈49	4°11	4°11	22°15	20°21	9°44	11°40	20°39	20°48	26° 4	27°31	M 3
T 4	11 14 46	20°37'03	27° 4	24°20	2° 3	4°56	4°19	22°20	20°20	9°46	11°38	20°39	20°44	26°11	27°34	T 4
W 5	11 18 43	21°36'31	11♑ 0	25°38	3°17	5°42	4°26	22°24	20°19	9°48	11°37	20°39	20°41	26°18	27°38	W 5
T 6	11 22 39	22°35'57	24°44	26°58	4°32	6°27	4°34	22°29	20°18	9°49	11°35	20°39	20°38	26°24	27°41	T 6
F 7	11 26 36	23°35'22	8♒15	28°20	5°46	7°12	4°41	22°34	20°17	9°51	11°33	20°39	20°35	26°31	27°45	F 7
S 8	11 30 32	24°34'44	21°34	29°44	7° 1	7°58	4°48	22°38	20°16	9°53	11°32	20°39	20°32	26°38	27°48	S 8
S 9	11 34 29	25°34'04	4♓38	1♓ 9	8°15	8°43	4°55	22°43	20°15	9°54	11°30	20°40	20°29	26°44	27°51	S 9
M10	11 38 25	26°33'23	17°29	2°36	9°29	9°28	5° 2	22°47	20°14	9°56	11°29	20°R40	20°25	26°51	27°54	M10
T 11	11 42 22	27°32'39	0♈ 8	4° 4	10°44	10°13	5° 8	22°51	20°13	9°58	11°27	20°40	20°22	26°58	27°58	T 11
W12	11 46 19	28°31'53	12°33	5°33	11°58	10°58	5°15	22°55	20°12	10° 0	11°26	20°39	20°19	27° 5	28° 1	W12
T 13	11 50 15	29°31'05	24°47	7° 5	13°12	11°43	5°21	23° 0	20°11	10° 1	11°24	20°38	20°16	27°11	28° 4	T 13
F 14	11 54 12	0♈30'15	6♉52	8°37	14°26	12°28	5°27	23° 4	20° 9	10° 3	11°23	20°37	20°13	27°18	28° 7	F 14
S 15	11 58 8	1°29'23	18°49	10°12	15°40	13°13	5°33	23° 8	20° 8	10° 5	11°21	20°36	20° 9	27°25	28°10	S 15
S 16	12 2 5	2°28'28	0♊41	11°47	16°55	13°58	5°39	23°12	20° 7	10° 7	11°20	20°34	20° 6	27°31	28°13	S 16
M17	12 6 1	3°27'32	12°33	13°25	18° 9	14°43	5°45	23°16	20° 5	10° 9	11°18	20°33	20° 3	27°38	28°16	M17
T 18	12 9 58	4°26'33	24°28	15° 3	19°23	15°27	5°50	23°19	20° 4	10°11	11°17	20°32	20° 0	27°45	28°18	T 18
W19	12 13 54	5°25'31	6♋31	16°43	20°37	16°12	5°56	23°23	20° 2	10°12	11°15	20°D32	19°57	27°52	28°21	W19
T 20	12 17 51	6°24'27	18°46	18°25	21°51	16°57	6° 1	23°27	20° 1	10°14	11°14	20°32	19°54	27°58	28°24	T 20
F 21	12 21 48	7°23'21	1♌17	20° 8	23° 5	17°41	6° 6	23°30	19°59	10°16	11°12	20°33	19°50	28° 5	28°26	F 21
S 22	12 25 44	8°22'13	14°10	21°52	24°19	18°26	6°11	23°34	19°57	10°18	11°11	20°34	19°47	28°12	28°29	S 22
S 23	12 29 41	9°21'02	27°26	23°39	25°33	19°11	6°15	23°37	19°56	10°20	11°10	20°36	19°44	28°18	28°31	S 23
M24	12 33 37	10°19'49	11♍ 7	25°26	26°47	19°55	6°20	23°40	19°54	10°22	11° 8	20°37	19°41	28°25	28°34	M24
T 25	12 37 34	11°18'34	25°12	27°15	28° 1	20°39	6°24	23°43	19°52	10°24	11° 7	20°R37	19°38	28°32	28°36	T 25
W26	12 41 30	12°17'17	9♎39	29° 6	29°14	21°24	6°28	23°46	19°51	10°26	11° 5	20°36	19°34	28°39	28°38	W26
T 27	12 45 27	13°15'57	24°23	0♈58	0♉28	22° 8	6°32	23°49	19°49	10°28	11° 4	20°34	19°31	28°45	28°41	T 27
F 28	12 49 23	14°14'36	9♏16	2°52	1°42	22°52	6°36	23°52	19°47	10°30	11° 3	20°31	19°28	28°52	28°43	F 28
S 29	12 53 20	15°13'13	24° 9	4°47	2°56	23°36	6°40	23°55	19°45	10°32	11° 2	20°28	19°25	28°59	28°45	S 29
S 30	12 57 17	16°11'49	8♐56	6°44	4° 9	24°21	6°43	23°58	19°43	10°35	11° 0	20°24	19°22	29° 5	28°47	S 30
M31	13 1 13	17♈10'22	23♐29	8♈42	5♉23	25♈ 5	6♑47	24♑ 1	19♏41	10♉37	10♍59	20♓22	19♓19	29♉12	28♑49	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s54	20s15	4s16	16s 0	1s23	1s47	1s13	0n33	0s34	23s17	0n13	21s45	0s 1	17s38	0n18	13n 5	1s47	21n41	15n45	3s43	3s37	23n50	14s31	6n23
S 2	4 31	24 43	4 54	15 43	1 31	1 16	1 12	0 51	0 33	23 16	0 12	21 44	0 1	17 37	0 18	13 5	1 47	21 42	15 45	3 43	3 39	23 52	14 30	6 23
M 3	4 7	27 38	5 14	15 25	1 37	0 45	1 11	1 10	0 33	23 16	0 12	21 43	0 2	17 37	0 18	13 6	1 47	21 43	15 45	3 43	3 40	23 54	14 29	6 23
T 4	3 44	28 46	5 15	15 6	1 44	0 14	1 9	1 29	0 32	23 16	0 12	21 43	0 2	17 37	0 18	13 7	1 47	21 43	15 45	3 43	3 41	23 56	14 28	6 24
W 5	3 21	28 1	4 57	14 45	1 49	0n17	1 8	1 47	0 32	23 16	0 12	21 42	0 2	17 37	0 18	13 7	1 47	21 44	15 45	3 43	3 42	23 58	14 27	6 24
T 6	2 57	25 35	4 23	14 22	1 55	0 48	1 6	2 6	0 31	23 16	0 12	21 41	0 2	17 36	0 18	13 8	1 47	21 44	15 45	3 43	3 44	24 0	14 26	6 24
F 7	2 33	21 43	3 34	13 58	2 0	1 19	1 5	2 24	0 30	23 16	0 12	21 41	0 2	17 36	0 18	13 8	1 47	21 45	15 45	3 43	3 45	24 2	14 25	6 25
S 8	2 10	16 49	2 34	13 33	2 4	1 50	1 3	2 43	0 30	23 15	0 12	21 40	0 2	17 36	0 18	13 9	1 47	21 46	15 45	3 43	3 46	24 4	14 24	6 25
S 9	1 46	11 13	1 28	13 6	2 8	2 21	1 1	3 1	0 29	23 15	0 12	21 39	0 2	17 36	0 18	13 9	1 47	21 46	15 45	3 43	3 47	24 5	14 23	6 26
M10	1 22	5 14	0 18	12 38	2 12	2 52	1 0	3 20	0 28	23 15	0 12	21 39	0 2	17 35	0 18	13 10	1 47	21 47	15 45	3 43	3 49	24 7	14 22	6 26
T 11	0 59	0n51	0n52	12 9	2 15	3 23	0 58	3 38	0 28	23 15	0 12	21 38	0 2	17 35	0 18	13 11	1 47	21 47	15 45	3 43	3 50	24 9	14 21	6 26
W12	0 35	6 48	1 58	11 38	2 17	3 54	0 56	3 57	0 27	23 15	0 12	21 37	0 2	17 35	0 18	13 11	1 47	21 48	15 45	3 43	3 51	24 11	14 20	6 27
T 13	0 12	12 24	2 58	11 6	2 19	4 24	0 54	4 15	0 27	23 14	0 12	21 37	0 2	17 34	0 18	13 12	1 47	21 48	15 45	3 43	3 52	24 13	14 19	6 27
F 14	0n12	17 28	3 49	10 33	2 21	4 55	0 52	4 33	0 26	23 14	0 11	21 36	0 2	17 34	0 18	13 12	1 47	21 49	15 45	3 44	3 54	24 15	14 18	6 28
S 15	0 36	21 48	4 29	9 58	2 22	5 25	0 50	4 51	0 25	23 14	0 11	21 36	0 3	17 34	0 18	13 13	1 47	21 49	15 45	3 45	3 55	24 17	14 17	6 28
S 16	0 59	25 13	4 57	9 22	2 23	5 56	0 48	5 9	0 25	23 14	0 11	21 35	0 3	17 33	0 18	13 14	1 47	21 50	15 45	3 45	3 56	24 19	14 16	6 28
M17	1 23	27 34	5 13	8 45	2 23	6 26	0 46	5 27	0 24	23 14	0 11	21 34	0 3	17 33	0 18	13 14	1 47	21 50	15 44	3 46	3 57	24 21	14 15	6 29
T 18	1 46	28 41	5 15	8 6	2 23	6 56	0 44	5 45	0 23	23 14	0 11	21 34	0 3	17 33	0 18	13 15	1 47	21 51	15 44	3 46	3 59	24 23	14 14	6 29
W19	2 10	28 26	5 4	7 27	2 22	7 26	0 42	6 3	0 23	23 13	0 11	21 33	0 3	17 32	0 18	13 15	1 46	21 51	15 44	3 46	4 0	24 25	14 13	6 30
T 20	2 33	26 49	4 39	6 46	2 21	7 56	0 40	6 21	0 22	23 13	0 11	21 33	0 3	17 32	0 18	13 16	1 46	21 51	15 44	3 46	4 1	24 27	14 12	6 30
F 21	2 57	23 51	4 0	6 3	2 19	8 26	0 37	6 38	0 21	23 13	0 11	21 32	0 3	17 31	0 18	13 17	1 46	21 52	15 44	3 46	4 2	24 28	14 11	6 31
S 22	3 20	19 39	3 8	5 20	2 17	8 55	0 35	6 56	0 21	23 13	0 11	21 32	0 3	17 31	0 18	13 17	1 46	21 52	15 44	3 45	4 4	24 30	14 10	6 31
S 23	3 43	14 22	2 4	4 35	2 14	9 25	0 33	7 14	0 20	23 13	0 11	21 31	0 3	17 30	0 18	13 18	1 46	21 53	15 43	3 45	4 5	24 32	14 9	6 31
M24	4 6	8 14	0 52	3 49	2 11	9 54	0 31	7 31	0 20	23 13	0 11	21 31	0 3	17 30	0 18	13 19	1 46	21 53	15 43	3 44	4 6	24 34	14 8	6 32
T 25	4 30	1 32	0s25	3 2	2 7	10 22	0 28	7 49	0 19	23 13	0 11	21 30	0 3	17 29	0 18	13 19	1 46	21 53	15 43	3 44	4 7	24 36	14 7	6 32
W26	4 53	5s25	1 43	2 14	2 3	10 51	0 26	8 6	0 18	23 13	0 10	21 30	0 3	17 29	0 18	13 20	1 46	21 54	15 43	3 44	4 9	24 38	14 7	6 33
T 27	5 16	12 12	2 55	1 25	1 58	11 19	0 23	8 23	0 18	23 12	0 10	21 29	0 4	17 28	0 18	13 21	1 46	21 54	15 43	3 45	4 10	24 40	14 6	6 33
F 28	5 38	18 22	3 56	0 35	1 53	11 47	0 21	8 40	0 17	23 12	0 10	21 29	0 4	17 28	0 18	13 21	1 46	21 54	15 42	3 46	4 11	24 41	14 5	6 34
S 29	6 1	23 26	4 41	0n17	1 47	12 15	0 19	8 57	0 16	23 12	0 10	21 29	0 4	17 27	0 18	13 22	1 46	21 55	15 42	3 48	4 12	24 43	14 4	6 34
S 30	6 24	26 56	5 7	1 9	1 40	12 42	0 16	9 14	0 16	23 12	0 10	21 28	0 4	17 27	0 18	13 23	1 46	21 55	15 42	3 49	4 14	24 45	14 3	6 35
M31	6n46	28s36	5s13	2n 2	1s33	13n10	0s14	9n31	0s15	23s12	0n10	21s28	0s 4	17s26	0n18	13n23	1s46	21n55	15n42	3s50	4s15	24n47	14s 2	6n35

Julian Day Number = 2168548.5, Delta T = 12m31s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'08, Lahiri = 13°03'09 Julian Calendar 1 March 1225 == Greg. Calendar 8 March 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

APRIL 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 10	18♈ 8'54	7♉44	10♈42	6♉37	25♈49	6♉50	24♉ 3	19°R39	10♉39	10°R58	20°R20	19♓15	29♉19	28♉51	T 1
W 2	13 9 6	19° 7'25	21°39	12°43	7°50	26°33	6°53	24° 6	19♏37	10°41	10♍57	20°D20	19°12	29°26	28°52	W 2
T 3	13 13 3	20° 5'53	5♒14	14°46	9° 4	27°17	6°56	24° 8	19°35	10°43	10°55	20♓21	19° 9	29°32	28°54	T 3
F 4	13 16 59	21° 4'20	18°30	16°49	10°18	28° 1	6°58	24°10	19°33	10°45	10°54	20°22	19° 6	29°39	28°56	F 4
S 5	13 20 56	22° 2'46	1♓29	18°55	11°31	28°45	7° 1	24°12	19°31	10°47	10°53	20°24	19° 3	29°46	28°58	S 5
S 6	13 24 52	23° 1'09	14°12	21° 1	12°45	29°28	7° 3	24°14	19°29	10°49	10°52	20°R25	19° 0	29°52	28°59	S 6
M 7	13 28 49	23°59'31	26°44	23° 8	13°58	0♉12	7° 5	24°16	19°27	10°52	10°51	20°25	18°56	29°59	29° 1	M 7
T 8	13 32 46	24°57'51	9♈ 4	25°16	15°12	0°56	7° 7	24°18	19°25	10°54	10°50	20°23	18°53	0♊ 6	29° 2	T 8
W 9	13 36 42	25°56'10	21°16	27°25	16°25	1°40	7° 9	24°20	19°22	10°56	10°49	20°20	18°50	0°13	29° 3	W 9
T 10	13 40 39	26°54'26	3♉21	29°34	17°38	2°23	7°10	24°22	19°20	10°58	10°48	20°15	18°47	0°19	29° 5	T 10
F 11	13 44 35	27°52'41	15°19	1♉43	18°52	3° 7	7°11	24°24	19°18	11° 0	10°47	20° 8	18°44	0°26	29° 6	F 11
S 12	13 48 32	28°50'54	27°13	3°52	20° 5	3°50	7°12	24°25	19°16	11° 3	10°46	20° 1	18°40	0°33	29° 7	S 12
S 13	13 52 28	29°49'06	9♊ 5	6° 0	21°18	4°34	7°13	24°26	19°13	11° 5	10°45	19°54	18°37	0°39	29° 8	S 13
M14	13 56 25	0♉47'15	20°56	8° 8	22°32	5°17	7°14	24°28	19°11	11° 7	10°44	19°47	18°34	0°46	29° 9	M14
T 15	14 0 21	1°45'22	2♋51	10°15	23°45	6° 0	7°15	24°29	19° 9	11° 9	10°43	19°42	18°31	0°53	29°10	T 15
W16	14 4 18	2°43'28	14°52	12°21	24°58	6°44	7°15	24°30	19° 6	11°11	10°42	19°38	18°28	1° 0	29°11	W16
T 17	14 8 15	3°41'31	27° 5	14°25	26°11	7°27	7°R15	24°31	19° 4	11°14	10°41	19°37	18°25	1° 6	29°12	T 17
F 18	14 12 11	4°39'33	9♌32	16°27	27°24	8°10	7°15	24°32	19° 2	11°16	10°41	19°D37	18°21	1°13	29°12	F 18
S 19	14 16 8	5°37'32	22°20	18°27	28°37	8°53	7°15	24°33	18°59	11°18	10°40	19°38	18°18	1°20	29°13	S 19
S 20	14 20 4	6°35'30	5♍31	20°25	29°51	9°36	7°15	24°34	18°57	11°20	10°39	19°39	18°15	1°26	29°14	S 20
M21	14 24 1	7°33'25	19°10	22°20	1♊ 4	10°19	7°14	24°34	18°54	11°23	10°38	19°R39	18°12	1°33	29°14	M21
T 22	14 27 57	8°31'19	3♎16	24°12	2°17	11° 2	7°13	24°35	18°52	11°25	10°38	19°39	18° 9	1°40	29°14	T 22
W23	14 31 54	9°29'11	17°50	26° 1	3°29	11°45	7°12	24°35	18°50	11°27	10°37	19°36	18° 6	1°47	29°15	W23
T 24	14 35 50	10°27'02	2♏45	27°48	4°42	12°28	7°11	24°36	18°47	11°29	10°36	19°31	18° 2	1°53	29°15	T 24
F 25	14 39 47	11°24'51	17°55	29°31	5°55	13°11	7°10	24°36	18°45	11°32	10°36	19°24	17°59	2° 0	29°15	F 25
S 26	14 43 44	12°22'38	3♐ 9	1♊11	7° 8	13°54	7° 8	24°36	18°42	11°34	10°35	19°17	17°56	2° 7	29°15	S 26
S 27	14 47 40	13°20'25	18°17	2°48	8°21	14°37	7° 7	24°R36	18°40	11°36	10°35	19° 9	17°53	2°14	29°16	S 27
M28	14 51 37	14°18'10	3♑ 9	4°21	9°34	15°19	7° 5	24°36	18°37	11°38	10°34	19° 2	17°50	2°20	29°R16	M28
T 29	14 55 33	15°15'54	17°38	5°51	10°46	16° 2	7° 3	24°36	18°35	11°41	10°34	18°57	17°46	2°27	29°16	T 29
W30	14 59 30	16♉13'36	1♒41	7♊17	11♊59	16♉45	7♑ 0	24♑36	18♏32	11♉43	10♍33	18♓54	17♓43	2♊34	29♑15	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 9	28s18	4s59	2n56	1s26	13n37	0s11	9n48	0s14	23s12	0n10	21s27	0s 4	17s26	0n18	13n24	1s46	21n55	15n42	3s51	4s16	24n49	14s 1	6n35
W 2	7 31	26 12	4 28	3 51	1 18	14 3	0 8	10 4	0 14	23 12	0 10	21 27	0 4	17 25	0 18	13 25	1 46	21 56	15 41	3 51	4 17	24 50	14 1	6 36
T 3	7 53	22 38	3 42	4 46	1 10	14 29	0 6	10 21	0 13	23 12	0 10	21 27	0 4	17 25	0 18	13 25	1 46	21 56	15 41	3 50	4 19	24 52	14 0	6 36
F 4	8 15	17 58	2 46	5 42	1 1	14 55	0 3	10 37	0 12	23 12	0 10	21 26	0 4	17 24	0 18	13 26	1 46	21 56	15 41	3 50	4 20	24 54	13 59	6 37
S 5	8 37	12 35	1 42	6 38	0 52	15 21	0 1	10 53	0 12	23 12	0 10	21 26	0 4	17 24	0 18	13 27	1 46	21 56	15 40	3 49	4 21	24 56	13 58	6 37
S 6	8 59	6 46	0 34	7 35	0 43	15 46	0n 2	11 10	0 11	23 12	0 9	21 26	0 4	17 23	0 18	13 28	1 46	21 56	15 40	3 49	4 22	24 57	13 58	6 38
M 7	9 21	0 47	0n34	8 31	0 33	16 10	0 5	11 26	0 11	23 12	0 9	21 26	0 4	17 23	0 18	13 28	1 46	21 57	15 40	3 49	4 24	24 59	13 57	6 38
T 8	9 42	5n 9	1 40	9 28	0 23	16 35	0 7	11 42	0 10	23 12	0 9	21 25	0 5	17 22	0 18	13 29	1 46	21 57	15 40	3 50	4 25	25 1	13 56	6 39
W 9	10 4	10 48	2 40	10 24	0 12	16 58	0 10	11 57	0 9	23 12	0 9	21 25	0 5	17 21	0 18	13 30	1 46	21 57	15 39	3 51	4 26	25 3	13 55	6 39
T 10	10 25	16 0	3 32	11 20	0 2	17 22	0 12	12 13	0 9	23 12	0 9	21 25	0 5	17 21	0 18	13 30	1 46	21 57	15 39	3 53	4 27	25 4	13 55	6 40
F 11	10 46	20 33	4 14	12 16	0n 9	17 45	0 15	12 29	0 8	23 12	0 9	21 25	0 5	17 20	0 18	13 31	1 46	21 57	15 39	3 55	4 29	25 6	13 54	6 40
S 12	11 7	24 15	4 45	13 10	0 20	18 7	0 18	12 44	0 7	23 12	0 9	21 24	0 5	17 19	0 18	13 32	1 46	21 57	15 38	3 58	4 30	25 8	13 53	6 41
S 13	11 27	26 54	5 4	14 3	0 30	18 30	0 20	13 0	0 7	23 12	0 9	21 24	0 5	17 19	0 18	13 32	1 46	21 57	15 38	4 1	4 31	25 10	13 52	6 41
M14	11 48	28 22	5 9	14 56	0 41	18 51	0 23	13 15	0 6	23 12	0 9	21 24	0 5	17 18	0 18	13 33	1 46	21 57	15 38	4 4	4 32	25 11	13 52	6 42
T 15	12 8	28 32	5 1	15 46	0 51	19 12	0 26	13 30	0 5	23 12	0 9	21 24	0 5	17 18	0 18	13 34	1 46	21 57	15 37	4 6	4 34	25 13	13 51	6 42
W16	12 28	27 21	4 40	16 35	1 2	19 33	0 28	13 45	0 5	23 12	0 8	21 24	0 5	17 17	0 18	13 34	1 46	21 57	15 37	4 7	4 35	25 15	13 50	6 43
T 17	12 48	24 51	4 6	17 22	1 11	19 53	0 31	14 0	0 4	23 12	0 8	21 24	0 5	17 16	0 18	13 35	1 46	21 58	15 37	4 8	4 36	25 16	13 50	6 43
F 18	13 8	21 8	3 19	18 7	1 21	20 13	0 34	14 14	0 3	23 12	0 8	21 24	0 5	17 16	0 18	13 36	1 46	21 58	15 36	4 8	4 37	25 18	13 49	6 44
S 19	13 27	16 22	2 22	18 50	1 30	20 32	0 36	14 29	0 3	23 12	0 8	21 24	0 6	17 15	0 18	13 37	1 46	21 57	15 36	4 7	4 39	25 20	13 49	6 44
S 20	13 46	10 42	1 16	19 30	1 38	20 50	0 39	14 43	0 2	23 13	0 8	21 24	0 6	17 14	0 18	13 37	1 46	21 57	15 36	4 7	4 40	25 21	13 48	6 45
M21	14 5	4 21	0 3	20 8	1 46	21 8	0 41	14 57	0 2	23 13	0 8	21 24	0 6	17 14	0 18	13 38	1 46	21 57	15 35	4 7	4 41	25 23	13 47	6 45
T 22	14 24	2s25	1s13	20 44	1 53	21 25	0 44	15 11	0 1	23 13	0 8	21 24	0 6	17 13	0 18	13 39	1 46	21 57	15 35	4 7	4 42	25 25	13 47	6 46
W23	14 43	9 16	2 26	21 17	2 0	21 42	0 46	15 25	0 0	23 13	0 8	21 24	0 6	17 12	0 18	13 39	1 46	21 57	15 35	4 8	4 44	25 26	13 46	6 46
T 24	15 1	15 46	3 30	21 48	2 6	21 58	0 49	15 39	0n 0	23 13	0 8	21 24	0 6	17 12	0 18	13 40	1 46	21 57	15 34	4 10	4 45	25 28	13 46	6 47
F 25	15 19	21 25	4 21	22 16	2 11	22 14	0 51	15 53	0 1	23 13	0 8	21 24	0 6	17 11	0 18	13 41	1 46	21 57	15 34	4 13	4 46	25 30	13 45	6 47
S 26	15 37	25 41	4 54	22 42	2 15	22 29	0 54	16 6	0 2	23 14	0 7	21 24	0 6	17 10	0 18	13 41	1 46	21 57	15 33	4 16	4 47	25 31	13 45	6 47
S 27	15 55	28 6	5 6	23 5	2 19	22 43	0 56	16 20	0 2	23 14	0 7	21 24	0 6	17 10	0 18	13 42	1 46	21 57	15 33	4 19	4 49	25 33	13 44	6 48
M28	16 12	28 27	4 57	23 25	2 22	22 57	0 59	16 33	0 3	23 14	0 7	21 24	0 6	17 9	0 18	13 43	1 46	21 57	15 33	4 21	4 50	25 35	13 44	6 48
T 29	16 29	26 49	4 29	23 44	2 24	23 10	1 1	16 46	0 3	23 14	0 7	21 24	0 6	17 8	0 18	13 44	1 46	21 57	15 32	4 23	4 51	25 36	13 43	6 49
W30	16n46	23s31	3s45	24n 0	2n25	23n22	1n 4	16n59	0n 4	23s14	0n 7	21s24	0s 7	17s 8	0n18	13n44	1s46	21n56	15n32	4s25	4s52	25n38	13s43	6n49

Julian Day Number = 2168579.5, Delta T = 12m31s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'12, Lahiri = 13°03'13 Julian Calendar 1 Apr. 1225 == Greg. Calendar 8 Apr. 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

MAY 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 26	17♉11'18	15♒17	8♊40	13♊12	17♉27	6°R58	24°R36	18°R30	11♉45	10°R33	18°D53	17♓40	2♊40	29°R15	T 1
F 2	15 7 23	18° 8'59	28°29	9°59	14°24	18°10	6♑55	24♑35	18♏27	11°47	10♍32	18♓53	17°37	2°47	29♑15	F 2
S 3	15 11 19	19° 6'38	11♓19	11°14	15°37	18°52	6°53	24°35	18°25	11°50	10°32	18°54	17°34	2°54	29°15	S 3
S 4	15 15 16	20° 4'16	23°51	12°26	16°49	19°34	6°50	24°34	18°22	11°52	10°32	18°R54	17°31	3° 1	29°14	S 4
M 5	15 19 13	21° 1'54	6♈10	13°34	18° 2	20°17	6°46	24°33	18°20	11°54	10°31	18°53	17°27	3° 7	29°14	M 5
T 6	15 23 9	21°59'30	18°18	14°38	19°14	20°59	6°43	24°33	18°17	11°56	10°31	18°49	17°24	3°14	29°13	T 6
W 7	15 27 6	22°57'05	0♉19	15°38	20°27	21°41	6°40	24°32	18°15	11°59	10°31	18°42	17°21	3°21	29°12	W 7
T 8	15 31 2	23°54'39	12°15	16°35	21°39	22°23	6°36	24°31	18°12	12° 1	10°30	18°33	17°18	3°27	29°12	T 8
F 9	15 34 59	24°52'12	24° 9	17°27	22°51	23° 6	6°32	24°30	18°10	12° 3	10°30	18°22	17°15	3°34	29°11	F 9
S 10	15 38 55	25°49'44	6♊ 0	18°15	24° 4	23°48	6°28	24°28	18° 7	12° 5	10°30	18°10	17°12	3°41	29°10	S 10
S 11	15 42 52	26°47'15	17°52	18°59	25°16	24°30	6°24	24°27	18° 5	12° 7	10°30	17°57	17° 8	3°48	29° 9	S 11
M12	15 46 48	27°44'45	29°46	19°39	26°28	25°12	6°19	24°26	18° 2	12°10	10°30	17°46	17° 5	3°54	29° 8	M12
T 13	15 50 45	28°42'13	11♋43	20°15	27°40	25°54	6°15	24°24	18° 0	12°12	10°30	17°36	17° 2	4° 1	29° 7	T 13
W14	15 54 42	29°39'41	23°47	20°46	28°53	26°36	6°10	24°23	17°57	12°14	10°D30	17°28	16°59	4° 8	29° 6	W14
T 15	15 58 38	0♊37'07	6♌ 0	21°12	0♋ 5	27°17	6° 5	24°21	17°55	12°16	10°30	17°23	16°56	4°14	29° 5	T 15
F 16	16 2 35	1°34'32	18°26	21°35	1°17	27°59	6° 0	24°19	17°53	12°18	10°30	17°21	16°52	4°21	29° 4	F 16
S 17	16 6 31	2°31'55	1♍10	21°52	2°29	28°41	5°55	24°18	17°50	12°20	10°30	17°D20	16°49	4°28	29° 3	S 17
S 18	16 10 28	3°29'18	14°16	22° 5	3°41	29°23	5°50	24°16	17°48	12°23	10°30	17°R20	16°46	4°35	29° 1	S 18
M19	16 14 24	4°26'39	27°47	22°13	4°52	0♊ 4	5°45	24°14	17°45	12°25	10°30	17°20	16°43	4°41	29° 0	M19
T 20	16 18 21	5°23'59	11♎46	22°R17	6° 4	0°46	5°39	24°12	17°43	12°27	10°30	17°18	16°40	4°48	28°58	T 20
W21	16 22 17	6°21'18	26°14	22°16	7°16	1°27	5°33	24° 9	17°41	12°29	10°30	17°14	16°37	4°55	28°57	W21
T 22	16 26 14	7°18'36	11♏ 6	22°11	8°28	2° 9	5°28	24° 7	17°39	12°31	10°31	17° 7	16°33	5° 2	28°55	T 22
F 23	16 30 11	8°15'53	26°18	22° 1	9°40	2°50	5°22	24° 5	17°36	12°33	10°31	16°58	16°30	5° 8	28°54	F 23
S 24	16 34 7	9°13'10	11♐37	21°48	10°51	3°32	5°16	24° 3	17°34	12°35	10°31	16°48	16°27	5°15	28°52	S 24
S 25	16 38 4	10°10'26	26°55	21°30	12° 3	4°13	5° 9	24° 0	17°32	12°37	10°32	16°38	16°24	5°22	28°50	S 25
M26	16 42 0	11° 7'41	11♑58	21° 9	13°14	4°55	5° 3	23°57	17°29	12°39	10°32	16°28	16°21	5°28	28°48	M26
T 27	16 45 57	12° 4'56	26°39	20°44	14°26	5°36	4°57	23°55	17°27	12°41	10°32	16°21	16°18	5°35	28°46	T 27
W28	16 49 53	13° 2'10	10♒51	20°17	15°37	6°17	4°50	23°52	17°25	12°43	10°33	16°16	16°14	5°42	28°44	W28
T 29	16 53 50	13°59'24	24°34	19°47	16°49	6°58	4°44	23°49	17°23	12°45	10°33	16°13	16°11	5°49	28°42	T 29
F 30	16 57 46	14°56'38	7♓49	19°15	18° 0	7°39	4°37	23°46	17°21	12°47	10°34	16°12	16° 8	5°55	28°40	F 30
S 31	17 1 43	15♊53'52	20♓39	18♊42	19♋11	8♊20	4♑30	23♑43	17♏19	12♉49	10♍34	16♓12	16♓ 5	6♊ 2	28♑38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 2	19s 1	2s50	24n13	2n25	23n34	1n 6	17n11	0n 5	23s15	0n 7	21s24	0s 7	17s 7	0n18	13n45	1s46	21n56	15n31	4s25	4s54	25n39	13s42	6n50
F 2	17 19	13 44	1 47	24 25	2 24	23 45	1 8	17 24	0 5	23 15	0 7	21 24	0 7	17 6	0 18	13 46	1 46	21 56	15 31	4 25	4 55	25 41	13 42	6 50
S 3	17 35	7 59	0 41	24 35	2 23	23 56	1 10	17 36	0 6	23 15	0 7	21 25	0 7	17 6	0 18	13 46	1 46	21 56	15 31	4 25	4 56	25 42	13 42	6 51
S 4	17 50	2 3	0n26	24 42	2 20	24 5	1 13	17 48	0 7	23 15	0 6	21 25	0 7	17 5	0 18	13 47	1 46	21 55	15 30	4 25	4 57	25 44	13 41	6 51
M 5	18 6	3n51	1 31	24 47	2 17	24 15	1 15	18 0	0 7	23 16	0 6	21 25	0 7	17 4	0 18	13 48	1 46	21 55	15 30	4 25	4 59	25 46	13 41	6 52
T 6	18 21	9 31	2 30	24 51	2 13	24 23	1 17	18 12	0 8	23 16	0 6	21 25	0 7	17 4	0 18	13 48	1 46	21 55	15 29	4 27	5 0	25 47	13 41	6 52
W 7	18 35	14 46	3 22	24 53	2 8	24 31	1 19	18 24	0 8	23 16	0 6	21 26	0 7	17 3	0 18	13 49	1 46	21 55	15 29	4 29	5 1	25 49	13 40	6 53
T 8	18 50	19 27	4 4	24 53	2 2	24 38	1 21	18 36	0 9	23 17	0 6	21 26	0 7	17 2	0 18	13 50	1 46	21 54	15 29	4 33	5 2	25 50	13 40	6 53
F 9	19 4	23 20	4 35	24 51	1 55	24 44	1 23	18 47	0 10	23 17	0 6	21 26	0 7	17 1	0 18	13 50	1 46	21 54	15 28	4 37	5 4	25 52	13 40	6 54
S 10	19 18	26 14	4 55	24 48	1 47	24 50	1 25	18 58	0 10	23 17	0 6	21 26	0 7	17 1	0 18	13 51	1 46	21 54	15 28	4 42	5 5	25 53	13 39	6 54
S 11	19 31	27 59	5 1	24 43	1 38	24 54	1 27	19 9	0 11	23 18	0 6	21 27	0 8	17 0	0 18	13 52	1 46	21 53	15 27	4 47	5 6	25 55	13 39	6 55
M12	19 45	28 27	4 55	24 37	1 29	24 59	1 29	19 20	0 11	23 18	0 6	21 27	0 8	16 59	0 18	13 52	1 46	21 53	15 27	4 51	5 7	25 56	13 39	6 55
T 13	19 57	27 36	4 36	24 29	1 18	25 2	1 31	19 31	0 12	23 18	0 5	21 27	0 8	16 59	0 18	13 53	1 46	21 53	15 27	4 55	5 9	25 58	13 39	6 55
W14	20 10	25 26	4 4	24 20	1 7	25 5	1 32	19 41	0 13	23 19	0 5	21 28	0 8	16 58	0 18	13 54	1 46	21 52	15 26	4 58	5 10	25 59	13 38	6 56
T 15	20 22	22 5	3 20	24 10	0 55	25 7	1 34	19 51	0 13	23 19	0 5	21 28	0 8	16 57	0 18	13 54	1 46	21 52	15 26	5 0	5 11	26 1	13 38	6 56
F 16	20 34	17 41	2 27	23 59	0 42	25 8	1 36	20 1	0 14	23 19	0 5	21 29	0 8	16 57	0 18	13 55	1 46	21 52	15 25	5 1	5 12	26 2	13 38	6 57
S 17	20 45	12 25	1 25	23 46	0 29	25 8	1 37	20 11	0 15	23 20	0 5	21 29	0 8	16 56	0 18	13 56	1 46	21 51	15 25	5 1	5 13	26 4	13 38	6 57
S 18	20 57	6 28	0 16	23 33	0 15	25 8	1 39	20 21	0 15	23 20	0 5	21 29	0 8	16 55	0 18	13 56	1 46	21 51	15 24	5 1	5 15	26 5	13 38	6 58
M19	21 7	0 3	0s55	23 18	0s 0	25 7	1 40	20 31	0 16	23 20	0 5	21 30	0 8	16 55	0 18	13 57	1 46	21 50	15 24	5 2	5 16	26 7	13 37	6 58
T 20	21 18	6s36	2 5	23 3	0 16	25 6	1 42	20 40	0 16	23 21	0 4	21 30	0 8	16 54	0 18	13 57	1 46	21 50	15 24	5 2	5 17	26 8	13 37	6 58
W21	21 28	13 7	3 10	22 47	0 32	25 3	1 43	20 49	0 17	23 21	0 4	21 31	0 9	16 54	0 18	13 58	1 46	21 49	15 23	5 4	5 18	26 10	13 37	6 59
T 22	21 37	19 5	4 4	22 30	0 48	25 0	1 44	20 58	0 18	23 22	0 4	21 31	0 9	16 53	0 18	13 59	1 46	21 49	15 23	5 6	5 20	26 11	13 37	6 59
F 23	21 47	23 58	4 41	22 13	1 5	24 56	1 45	21 7	0 18	23 22	0 4	21 32	0 9	16 52	0 18	13 59	1 46	21 48	15 22	5 10	5 21	26 12	13 37	7 0
S 24	21 56	27 13	4 59	21 55	1 22	24 52	1 46	21 15	0 19	23 22	0 4	21 32	0 9	16 52	0 18	14 0	1 46	21 48	15 22	5 14	5 22	26 14	13 37	7 0
S 25	22 4	28 26	4 56	21 37	1 39	24 47	1 48	21 24	0 19	23 23	0 4	21 33	0 9	16 51	0 18	14 0	1 46	21 47	15 21	5 18	5 23	26 15	13 37	7 1
M26	22 12	27 30	4 32	21 19	1 56	24 41	1 48	21 32	0 20	23 23	0 4	21 33	0 9	16 50	0 18	14 1	1 46	21 47	15 21	5 22	5 25	26 17	13 37	7 1
T 27	22 20	24 40	3 50	21 1	2 13	24 34	1 49	21 40	0 20	23 23	0 4	21 34	0 9	16 50	0 18	14 2	1 46	21 46	15 20	5 25	5 26	26 18	13 37	7 1
W28	22 28	20 23	2 55	20 42	2 29	24 27	1 50	21 48	0 21	23 24	0 3	21 35	0 9	16 49	0 18	14 2	1 46	21 46	15 20	5 27	5 27	26 19	13 37	7 2
T 29	22 35	15 8	1 52	20 24	2 45	24 19	1 51	21 55	0 22	23 24	0 3	21 35	0 9	16 49	0 18	14 3	1 46	21 45	15 20	5 28	5 28	26 21	13 37	7 2
F 30	22 41	9 21	0 44	20 7	3 0	24 10	1 52	22 3	0 22	23 25	0 3	21 36	0 9	16 48	0 18	14 3	1 46	21 45	15 19	5 28	5 30	26 22	13 37	7 2
S 31	22n48	3s22	0n24	19n50	3s15	24n 1	1n52	22n10	0n23	23s25	0n 3	21s36	0s10	16s47	0n18	14n 4	1s46	21n44	15n19	5s28	5s31	26n24	13s37	7n 3

Julian Day Number = 2168609.5, Delta T = 12m31s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'17, Lahiri = 13°03'17 Julian Calendar 1 May 1225 == Greg. Calendar 8 May 1225

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1225
geocentric

JUNE 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 40	16♊51'05	3♈ 9	18°R 8	20♋22	9♊ 1	4°R23	23°R40	17°R17	12♉51	10♍35	16°R12	16♓ 2	6♊ 9	28°R36	S 1
M 2	17 9 36	17°48'18	15°23	17♊33	21°34	9°42	4♂16	23♂37	17♏15	12°53	10°35	16♓10	15°58	6°15	28♂34	M 2
T 3	17 13 33	18°45'31	27°25	16°59	22°45	10°23	4° 9	23°34	17°13	12°55	10°36	16° 5	15°55	6°22	28°31	T 3
W 4	17 17 29	19°42'44	9♉21	16°26	23°56	11° 4	4° 2	23°31	17°11	12°57	10°36	15°58	15°52	6°29	28°29	W 4
T 5	17 21 26	20°39'57	21°13	15°54	25° 7	11°45	3°54	23°28	17° 9	12°59	10°37	15°48	15°49	6°36	28°27	T 5
F 6	17 25 22	21°37'10	3♊ 4	15°24	26°18	12°26	3°47	23°24	17° 7	13° 1	10°38	15°36	15°46	6°42	28°24	F 6
S 7	17 29 19	22°34'22	14°56	14°56	27°29	13° 7	3°40	23°21	17° 5	13° 3	10°39	15°23	15°43	6°49	28°22	S 7
S 8	17 33 15	23°31'34	26°51	14°32	28°39	13°48	3°32	23°17	17° 3	13° 4	10°39	15° 9	15°39	6°56	28°19	S 8
M 9	17 37 12	24°28'46	8♋50	14°11	29°50	14°28	3°25	23°14	17° 1	13° 6	10°40	14°56	15°36	7° 3	28°17	M 9
T 10	17 41 9	25°25'58	20°54	13°54	1♌ 1	15° 9	3°17	23°10	16°59	13° 8	10°41	14°45	15°33	7° 9	28°14	T 10
W11	17 45 5	26°23'10	3♌ 5	13°41	2°12	15°49	3°10	23° 6	16°58	13°10	10°42	14°36	15°30	7°16	28°11	W11
T 12	17 49 2	27°20'21	15°25	13°32	3°22	16°30	3° 2	23° 3	16°56	13°11	10°43	14°31	15°27	7°23	28° 9	T 12
F 13	17 52 58	28°17'32	27°57	13°D28	4°33	17°11	2°54	22°59	16°54	13°13	10°44	14°28	15°24	7°29	28° 6	F 13
S 14	17 56 55	29°14'42	10♍43	13°28	5°43	17°51	2°47	22°55	16°53	13°15	10°44	14°D27	15°20	7°36	28° 3	S 14
S 15	18 0 51	0♋11'53	23°48	13°34	6°53	18°31	2°39	22°51	16°51	13°17	10°45	14°R27	15°17	7°43	28° 0	S 15
M16	18 4 48	1° 9'03	7♎15	13°44	8° 4	19°12	2°31	22°47	16°50	13°18	10°46	14°27	15°14	7°50	27°57	M16
T 17	18 8 45	2° 6'12	21° 6	14° 0	9°14	19°52	2°24	22°43	16°48	13°20	10°47	14°26	15°11	7°56	27°55	T 17
W18	18 12 41	3° 3'22	5♏22	14°20	10°24	20°32	2°16	22°39	16°47	13°21	10°48	14°22	15° 8	8° 3	27°52	W18
T 19	18 16 38	4° 0'31	20° 1	14°46	11°34	21°13	2° 8	22°35	16°45	13°23	10°50	14°17	15° 4	8°10	27°49	T 19
F 20	18 20 34	4°57'41	5♐ 0	15°17	12°44	21°53	2° 1	22°31	16°44	13°25	10°51	14° 9	15° 1	8°16	27°46	F 20
S 21	18 24 31	5°54'50	20° 9	15°53	13°54	22°33	1°53	22°27	16°42	13°26	10°52	13°59	14°58	8°23	27°43	S 21
S 22	18 28 27	6°52'00	5♑19	16°33	15° 4	23°13	1°45	22°23	16°41	13°28	10°53	13°50	14°55	8°30	27°40	S 22
M23	18 32 24	7°49'10	20°20	17°19	16°13	23°53	1°38	22°19	16°40	13°29	10°54	13°41	14°52	8°37	27°36	M23
T 24	18 36 20	8°46'20	5♒ 2	18°10	17°23	24°33	1°30	22°14	16°39	13°31	10°55	13°34	14°49	8°43	27°33	T 24
W25	18 40 17	9°43'31	19°18	19° 5	18°33	25°13	1°22	22°10	16°37	13°32	10°57	13°30	14°45	8°50	27°30	W25
T 26	18 44 14	10°40'42	3♓ 7	20° 6	19°42	25°53	1°15	22° 6	16°36	13°33	10°58	13°27	14°42	8°57	27°27	T 26
F 27	18 48 10	11°37'54	16°27	21°11	20°51	26°33	1° 7	22° 2	16°35	13°35	10°59	13°D27	14°39	9° 4	27°24	F 27
S 28	18 52 7	12°35'06	29°21	22°21	22° 1	27°13	1° 0	21°57	16°34	13°36	11° 1	13°28	14°36	9°10	27°21	S 28
S 29	18 56 3	13°32'19	11♈53	23°35	23°10	27°53	0°53	21°53	16°33	13°38	11° 2	13°R28	14°33	9°17	27°17	S 29
M30	19 0 0	14♋29'33	24♈ 8	24♊54	24♌19	28♊33	0♂45	21♂48	16♏32	13♉39	11♍ 3	13♓28	14♓30	9♊24	27♂14	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	2n36	1n28	19n33	3s28	23n51	1n53	22n17	0n23	23s25	0n 3	21s37	0s10	16s47	0n18	14n 4	1s46	21n43	15n18	5s28	5s32	26n25	13s37	7n 3
M 2	22 59	8 21	2 28	19 18	3 41	23 40	1 53	22 24	0 24	23 26	0 3	21 38	0 10	16 46	0 18	14 5	1 46	21 43	15 18	5 29	5 33	26 26	13 37	7 3
T 3	23 4	13 42	3 19	19 3	3 52	23 29	1 53	22 30	0 25	23 26	0 3	21 38	0 10	16 46	0 18	14 6	1 46	21 42	15 17	5 31	5 35	26 28	13 37	7 4
W 4	23 8	18 29	4 1	18 50	4 2	23 17	1 54	22 37	0 25	23 26	0 2	21 39	0 10	16 45	0 18	14 6	1 46	21 41	15 17	5 33	5 36	26 29	13 38	7 4
T 5	23 13	22 32	4 33	18 38	4 11	23 4	1 54	22 43	0 26	23 27	0 2	21 40	0 10	16 45	0 18	14 7	1 46	21 41	15 17	5 37	5 37	26 30	13 38	7 4
F 6	23 17	25 39	4 53	18 28	4 18	22 51	1 54	22 49	0 26	23 27	0 2	21 40	0 10	16 44	0 18	14 7	1 46	21 40	15 16	5 42	5 38	26 32	13 38	7 5
S 7	23 20	27 39	5 0	18 19	4 24	22 37	1 54	22 55	0 27	23 28	0 2	21 41	0 10	16 44	0 18	14 8	1 46	21 39	15 16	5 47	5 39	26 33	13 38	7 5
S 8	23 23	28 24	4 53	18 12	4 28	22 22	1 54	23 0	0 27	23 28	0 2	21 42	0 10	16 43	0 18	14 8	1 47	21 39	15 15	5 53	5 41	26 34	13 38	7 5
M 9	23 26	27 49	4 34	18 7	4 31	22 7	1 54	23 6	0 28	23 28	0 2	21 42	0 10	16 43	0 17	14 9	1 47	21 38	15 15	5 58	5 42	26 36	13 38	7 6
T 10	23 28	25 55	4 3	18 4	4 32	21 52	1 53	23 11	0 29	23 29	0 2	21 43	0 11	16 42	0 17	14 9	1 47	21 37	15 15	6 2	5 43	26 37	13 39	7 6
W11	23 30	22 48	3 20	18 2	4 32	21 35	1 53	23 16	0 29	23 29	0 1	21 44	0 11	16 42	0 17	14 10	1 47	21 37	15 14	6 5	5 44	26 38	13 39	7 6
T 12	23 31	18 37	2 27	18 3	4 31	21 19	1 53	23 21	0 30	23 29	0 1	21 44	0 11	16 41	0 17	14 10	1 47	21 36	15 14	6 7	5 46	26 39	13 39	7 7
F 13	23 32	13 35	1 26	18 5	4 28	21 1	1 52	23 25	0 30	23 30	0 1	21 45	0 11	16 41	0 17	14 11	1 47	21 35	15 13	6 8	5 47	26 41	13 39	7 7
S 14	23 32	7 53	0 20	18 9	4 24	20 43	1 51	23 30	0 31	23 30	0 1	21 46	0 11	16 40	0 17	14 11	1 47	21 35	15 13	6 9	5 48	26 42	13 40	7 7
S 15	23 33	1 43	0s49	18 14	4 19	20 25	1 51	23 34	0 31	23 30	0 1	21 47	0 11	16 40	0 17	14 12	1 47	21 34	15 13	6 9	5 49	26 43	13 40	7 7
M16	23 32	4s41	1 58	18 22	4 13	20 6	1 50	23 38	0 32	23 30	0 1	21 47	0 11	16 39	0 17	14 12	1 47	21 33	15 12	6 9	5 51	26 44	13 40	7 8
T 17	23 32	11 4	3 1	18 31	4 6	19 46	1 49	23 42	0 32	23 31	0 0	21 48	0 11	16 39	0 17	14 13	1 47	21 32	15 12	6 9	5 52	26 46	13 41	7 8
W18	23 30	17 4	3 55	18 41	3 58	19 26	1 48	23 45	0 33	23 31	0 0	21 49	0 11	16 39	0 17	14 13	1 47	21 32	15 11	6 11	5 53	26 47	13 41	7 8
T 19	23 29	22 15	4 36	18 53	3 49	19 6	1 47	23 48	0 34	23 31	0 0	21 50	0 11	16 38	0 17	14 13	1 47	21 31	15 11	6 13	5 54	26 48	13 41	7 8
F 20	23 27	26 7	4 58	19 6	3 39	18 45	1 46	23 52	0 34	23 32	0 0	21 50	0 11	16 38	0 17	14 14	1 47	21 30	15 11	6 16	5 56	26 49	13 42	7 8
S 21	23 25	28 10	5 0	19 20	3 29	18 23	1 44	23 55	0 35	23 32	0s 0	21 51	0 12	16 38	0 17	14 14	1 47	21 29	15 10	6 19	5 57	26 51	13 42	7 9
S 22	23 22	28 7	4 41	19 35	3 18	18 2	1 43	23 57	0 35	23 32	0 0	21 52	0 12	16 37	0 17	14 15	1 47	21 28	15 10	6 23	5 58	26 52	13 42	7 9
M23	23 19	26 0	4 3	19 51	3 6	17 39	1 41	24 0	0 36	23 32	0 0	21 53	0 12	16 37	0 17	14 15	1 47	21 28	15 9	6 27	5 59	26 53	13 43	7 9
T 24	23 15	22 9	3 9	20 8	2 54	17 16	1 40	24 2	0 36	23 33	0 1	21 54	0 12	16 37	0 17	14 15	1 47	21 27	15 9	6 29	6 0	26 54	13 43	7 9
W25	23 11	17 4	2 5	20 25	2 41	16 53	1 38	24 4	0 37	23 33	0 1	21 54	0 12	16 36	0 17	14 16	1 47	21 26	15 9	6 31	6 2	26 55	13 44	7 9
T 26	23 7	11 16	0 55	20 42	2 28	16 30	1 36	24 6	0 37	23 33	0 1	21 55	0 12	16 36	0 17	14 16	1 47	21 25	15 8	6 32	6 3	26 56	13 44	7 10
F 27	23 2	5 8	0n16	21 0	2 15	16 6	1 35	24 8	0 38	23 33	0 1	21 56	0 12	16 36	0 17	14 17	1 47	21 24	15 8	6 32	6 4	26 58	13 45	7 10
S 28	22 57	1n 1	1 24	21 18	2 2	15 41	1 33	24 9	0 38	23 33	0 1	21 57	0 12	16 35	0 17	14 17	1 47	21 23	15 8	6 32	6 5	26 59	13 45	7 10
S 29	22 51	6 57	2 26	21 35	1 48	15 17	1 31	24 11	0 39	23 34	0 1	21 57	0 12	16 35	0 17	14 17	1 47	21 23	15 7	6 32	6 7	27 0	13 45	7 10
M30	22n45	12n29	3n19	21n52	1s34	14n52	1n28	24n12	0n40	23s34	0s 1	21s58	0s12	16s35	0n17	14n18	1s47	21n22	15n 7	6s32	6s 8	27n 1	13s46	7n10

Julian Day Number = 2168640.5, Delta T = 12m31s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'21, Lahiri = 13°03'21 Julian Calendar 1 June 1225 == Greg. Calendar 8 June 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

JULY 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 56	15♋26'47	6♉10	26♊17	25♌28	29♊12	0°R38	21°R44	16°R31	13♉40	11♍ 5	13°R25	14♓26	9♊30	27°R11	T 1
W 2	19 7 53	16°24'03	18° 5	27°45	26°37	29°52	0♑31	21♑40	16♏30	13°41	11° 6	13♓21	14°23	9°37	27♑ 8	W 2
T 3	19 11 49	17°21'19	29°56	29°17	27°46	0♋32	0°24	21°35	16°30	13°43	11° 7	13°14	14°20	9°44	27° 4	T 3
F 4	19 15 46	18°18'36	11♊48	0♋53	28°54	1°11	0°17	21°31	16°29	13°44	11° 9	13° 6	14°17	9°51	27° 1	F 4
S 5	19 19 43	19°15'54	23°43	2°33	0♍ 3	1°51	0°10	21°26	16°28	13°45	11°10	12°56	14°14	9°57	26°58	S 5
S 6	19 23 39	20°13'13	5♋43	4°16	1°12	2°31	0° 3	21°22	16°28	13°46	11°12	12°46	14°10	10° 4	26°54	S 6
M 7	19 27 36	21°10'32	17°50	6° 3	2°20	3°10	29♐56	21°18	16°27	13°47	11°14	12°37	14° 7	10°11	26°51	M 7
T 8	19 31 32	22° 7'52	0♌ 5	7°53	3°28	3°50	29°50	21°13	16°26	13°48	11°15	12°29	14° 4	10°18	26°48	T 8
W 9	19 35 29	23° 5'13	12°29	9°46	4°36	4°29	29°43	21° 9	16°26	13°49	11°17	12°23	14° 1	10°24	26°44	W 9
T 10	19 39 25	24° 2'35	25° 3	11°42	5°44	5° 8	29°37	21° 4	16°25	13°50	11°18	12°19	13°58	10°31	26°41	T 10
F 11	19 43 22	24°59'57	7♍48	13°40	6°52	5°48	29°30	21° 0	16°25	13°51	11°20	12°D18	13°55	10°38	26°37	F 11
S 12	19 47 18	25°57'20	20°46	15°40	8° 0	6°27	29°24	20°55	16°25	13°52	11°22	12°18	13°51	10°44	26°34	S 12
S 13	19 51 15	26°54'43	4♎ 0	17°42	9° 8	7° 6	29°18	20°51	16°24	13°53	11°23	12°19	13°48	10°51	26°31	S 13
M14	19 55 12	27°52'07	17°30	19°45	10°15	7°46	29°12	20°46	16°24	13°54	11°25	12°20	13°45	10°58	26°27	M14
T 15	19 59 8	28°49'32	1♏18	21°49	11°23	8°25	29° 6	20°42	16°24	13°55	11°27	12°R20	13°42	11° 5	26°24	T 15
W16	20 3 5	29°46'57	15°24	23°53	12°30	9° 4	29° 1	20°38	16°24	13°56	11°28	12°19	13°39	11°11	26°21	W16
T 17	20 7 1	0♌44'23	29°48	25°58	13°37	9°43	28°55	20°33	16°24	13°57	11°30	12°17	13°36	11°18	26°17	T 17
F 18	20 10 58	1°41'50	14♐27	28° 3	14°44	10°22	28°50	20°29	16°23	13°57	11°32	12°12	13°32	11°25	26°14	F 18
S 19	20 14 54	2°39'18	29°15	0♌ 8	15°51	11° 1	28°44	20°25	16°D23	13°58	11°34	12° 7	13°29	11°32	26°11	S 19
S 20	20 18 51	3°36'47	14♑ 4	2°12	16°58	11°40	28°39	20°21	16°24	13°59	11°36	12° 1	13°26	11°38	26° 7	S 20
M21	20 22 48	4°34'17	28°47	4°15	18° 4	12°19	28°34	20°16	16°24	14° 0	11°37	11°56	13°23	11°45	26° 4	M21
T 22	20 26 44	5°31'47	13♒16	6°18	19°11	12°58	28°30	20°12	16°24	14° 0	11°39	11°52	13°20	11°52	26° 1	T 22
W23	20 30 41	6°29'19	27°26	8°20	20°17	13°37	28°25	20° 8	16°24	14° 1	11°41	11°49	13°16	11°58	25°57	W23
T 24	20 34 37	7°26'52	11♓12	10°20	21°23	14°16	28°20	20° 4	16°24	14° 2	11°43	11°D49	13°13	12° 5	25°54	T 24
F 25	20 38 34	8°24'27	24°32	12°20	22°29	14°55	28°16	20° 0	16°25	14° 2	11°45	11°49	13°10	12°12	25°51	F 25
S 26	20 42 30	9°22'03	7♈29	14°18	23°35	15°34	28°12	19°56	16°25	14° 3	11°47	11°51	13° 7	12°19	25°47	S 26
S 27	20 46 27	10°19'40	20° 4	16°15	24°40	16°12	28° 8	19°52	16°25	14° 3	11°49	11°52	13° 4	12°25	25°44	S 27
M28	20 50 23	11°17'19	2♉22	18°11	25°46	16°51	28° 4	19°48	16°26	14° 4	11°51	11°53	13° 1	12°32	25°41	M28
T 29	20 54 20	12°15'00	14°27	20° 5	26°51	17°30	28° 0	19°44	16°26	14° 4	11°53	11°R54	12°57	12°39	25°38	T 29
W30	20 58 17	13°12'42	26°23	21°58	27°56	18° 8	27°57	19°40	16°27	14° 4	11°55	11°53	12°54	12°45	25°35	W30
T 31	21 2 13	14♌10'26	8♊16	23♌49	29♍ 1	18♋47	27♐54	19♑36	16♏27	14♉ 5	11♍57	11♓51	12♓51	12♊52	25♑32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n39	17n27	4n 3	22n 9	1s21	14n26	1n26	24n12	0n40	23s34	0s 2	21s59	0s12	16s35	0n17	14n18	1s48	21n21	15n 7	6s33	6s 9	27n 2	13s46	7n10
W 2	22 32	21 42	4 36	22 24	1 7	14 0	1 24	24 13	0 41	23 34	0 2	22 0	0 13	16 34	0 17	14 18	1 48	21 20	15 6	6 34	6 10	27 3	13 47	7 10
T 3	22 25	25 3	4 57	22 39	0 53	13 34	1 21	24 14	0 41	23 34	0 2	22 1	0 13	16 34	0 17	14 19	1 48	21 19	15 6	6 37	6 12	27 4	13 48	7 10
F 4	22 17	27 20	5 5	22 52	0 40	13 8	1 19	24 14	0 42	23 34	0 2	22 1	0 13	16 34	0 17	14 19	1 48	21 18	15 6	6 40	6 13	27 6	13 48	7 10
S 5	22 9	28 23	5 0	23 4	0 27	12 41	1 16	24 14	0 42	23 35	0 2	22 2	0 13	16 34	0 17	14 19	1 48	21 17	15 5	6 44	6 14	27 7	13 49	7 11
S 6	22 1	28 6	4 41	23 14	0 14	12 14	1 13	24 14	0 43	23 35	0 2	22 3	0 13	16 34	0 17	14 19	1 48	21 17	15 5	6 48	6 15	27 8	13 49	7 11
M 7	21 52	26 29	4 10	23 23	0 2	11 47	1 10	24 13	0 43	23 35	0 2	22 4	0 13	16 33	0 17	14 20	1 48	21 16	15 5	6 51	6 16	27 9	13 50	7 11
T 8	21 43	23 35	3 27	23 29	0n10	11 20	1 8	24 13	0 44	23 35	0 3	22 5	0 13	16 33	0 17	14 20	1 48	21 15	15 4	6 54	6 18	27 10	13 50	7 11
W 9	21 33	19 35	2 33	23 33	0 22	10 52	1 5	24 12	0 44	23 35	0 3	22 5	0 13	16 33	0 17	14 20	1 48	21 14	15 4	6 57	6 19	27 11	13 51	7 11
T 10	21 24	14 40	1 32	23 34	0 33	10 24	1 1	24 11	0 45	23 35	0 3	22 6	0 13	16 33	0 17	14 21	1 48	21 13	15 4	6 58	6 20	27 12	13 52	7 11
F 11	21 13	9 3	0 24	23 33	0 43	9 56	0 58	24 10	0 45	23 35	0 3	22 7	0 13	16 33	0 17	14 21	1 48	21 12	15 4	6 59	6 21	27 13	13 52	7 11
S 12	21 3	2 58	0s46	23 29	0 52	9 27	0 55	24 9	0 46	23 36	0 3	22 8	0 13	16 33	0 17	14 21	1 48	21 11	15 3	6 59	6 23	27 14	13 53	7 11
S 13	20 52	3s21	1 55	23 23	1 1	8 58	0 51	24 7	0 46	23 36	0 3	22 8	0 14	16 33	0 17	14 21	1 48	21 10	15 3	6 58	6 24	27 15	13 53	7 11
M14	20 41	9 39	2 59	23 14	1 9	8 30	0 48	24 6	0 47	23 36	0 3	22 9	0 14	16 33	0 17	14 21	1 48	21 9	15 3	6 58	6 25	27 16	13 54	7 11
T 15	20 29	15 37	3 54	23 2	1 17	8 1	0 44	24 4	0 47	23 36	0 4	22 10	0 14	16 33	0 17	14 22	1 48	21 8	15 2	6 58	6 26	27 17	13 55	7 11
W16	20 17	20 55	4 36	22 47	1 23	7 31	0 41	24 2	0 48	23 36	0 4	22 11	0 14	16 33	0 17	14 22	1 48	21 8	15 2	6 58	6 27	27 18	13 55	7 11
T 17	20 5	25 7	5 2	22 30	1 29	7 2	0 37	23 59	0 48	23 36	0 4	22 11	0 14	16 33	0 17	14 22	1 48	21 7	15 2	6 59	6 29	27 19	13 56	7 11
F 18	19 52	27 45	5 9	22 10	1 34	6 33	0 33	23 57	0 49	23 36	0 4	22 12	0 14	16 33	0 17	14 22	1 48	21 6	15 2	7 1	6 30	27 20	13 57	7 11
S 19	19 39	28 28	4 56	21 48	1 38	6 3	0 29	23 54	0 49	23 36	0 4	22 13	0 14	16 33	0 17	14 22	1 49	21 5	15 1	7 3	6 31	27 21	13 57	7 11
S 20	19 26	27 9	4 23	21 24	1 41	5 33	0 25	23 51	0 50	23 36	0 4	22 14	0 14	16 33	0 17	14 23	1 49	21 4	15 1	7 5	6 32	27 22	13 58	7 10
M21	19 12	23 57	3 32	20 57	1 43	5 3	0 21	23 48	0 50	23 36	0 4	22 14	0 14	16 33	0 17	14 23	1 49	21 3	15 1	7 7	6 34	27 23	13 59	7 10
T 22	18 58	19 17	2 29	20 28	1 45	4 33	0 17	23 45	0 51	23 36	0 4	22 15	0 14	16 33	0 17	14 23	1 49	21 2	15 1	7 9	6 35	27 24	13 59	7 10
W23	18 44	13 38	1 18	19 58	1 46	4 3	0 13	23 42	0 51	23 37	0 5	22 16	0 14	16 33	0 17	14 23	1 49	21 1	15 1	7 9	6 36	27 25	14 0	7 10
T 24	18 29	7 27	0 3	19 26	1 46	3 33	0 8	23 38	0 52	23 37	0 5	22 16	0 14	16 33	0 16	14 23	1 49	21 0	15 0	7 10	6 37	27 26	14 1	7 10
F 25	18 14	1 8	1n 9	18 52	1 46	3 3	0 4	23 34	0 52	23 37	0 5	22 17	0 15	16 33	0 16	14 23	1 49	20 59	15 0	7 10	6 38	27 27	14 1	7 10
S 26	17 59	5n 3	2 16	18 17	1 45	2 33	0s 1	23 30	0 53	23 37	0 5	22 18	0 15	16 33	0 16	14 23	1 49	20 58	15 0	7 9	6 40	27 28	14 2	7 10
S 27	17 44	10 52	3 14	17 41	1 44	2 3	0 5	23 26	0 53	23 37	0 5	22 19	0 15	16 33	0 16	14 23	1 49	20 57	15 0	7 8	6 41	27 29	14 3	7 10
M28	17 28	16 7	4 2	17 3	1 42	1 32	0 10	23 22	0 54	23 37	0 5	22 19	0 15	16 34	0 16	14 23	1 49	20 56	15 0	7 8	6 42	27 30	14 4	7 9
T 29	17 12	20 40	4 38	16 25	1 39	1 2	0 15	23 17	0 54	23 37	0 5	22 20	0 15	16 34	0 16	14 24	1 49	20 55	14 59	7 8	6 43	27 31	14 4	7 9
W30	16 55	24 19	5 2	15 46	1 36	0 31	0 20	23 13	0 55	23 37	0 5	22 20	0 15	16 34	0 16	14 24	1 49	20 54	14 59	7 8	6 45	27 32	14 5	7 9
T 31	16n39	26n55	5n12	15n 5	1n32	0n 1	0s25	23n 8	0n55	23s37	0s 6	22s21	0s15	16s34	0n16	14n24	1s49	20n54	14n59	7s 9	6s46	27n32	14s 6	7n 9

Julian Day Number = 2168670.5, Delta T = 12m31s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'25, Lahiri = 13°03'25 Julian Calendar 1 July 1225 == Greg. Calendar 8 July 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

AUGUST 1225 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 6 10	15♌ 8'12	20♊ 9	25♌39	0♎ 5	19♋26	27°R50	19°R32	16♏28	14♉ 5	11♍59	11°R48	12♓48	12♊59	25°R29	F 1
S 2	21 10 6	16° 5'59	2♋ 7	27°28	1°10	20° 4	27♐47	19♑28	16°29	14° 5	12° 1	11♓44	12°45	13° 6	25♑25	S 2
S 3	21 14 3	17° 3'48	14°12	29°15	2°14	20°43	27°45	19°25	16°30	14° 6	12° 3	11°40	12°42	13°12	25°22	S 3
M 4	21 17 59	18° 1'39	26°28	1♍ 1	3°18	21°21	27°42	19°21	16°30	14° 6	12° 5	11°36	12°38	13°19	25°19	M 4
T 5	21 21 56	18°59'31	8♌55	2°46	4°22	22° 0	27°40	19°17	16°31	14° 6	12° 7	11°32	12°35	13°26	25°16	T 5
W 6	21 25 52	19°57'25	21°35	4°29	5°25	22°38	27°37	19°14	16°32	14° 6	12° 9	11°30	12°32	13°33	25°13	W 6
T 7	21 29 49	20°55'20	4♍28	6°10	6°29	23°16	27°35	19°10	16°33	14° 6	12°11	11°29	12°29	13°39	25°11	T 7
F 8	21 33 46	21°53'16	17°34	7°51	7°32	23°55	27°34	19° 7	16°34	14° 6	12°13	11°D29	12°26	13°46	25° 8	F 8
S 9	21 37 42	22°51'15	0♎54	9°30	8°35	24°33	27°32	19° 4	16°35	14° 7	12°15	11°30	12°22	13°53	25° 5	S 9
S 10	21 41 39	23°49'14	14°26	11° 8	9°37	25°11	27°30	19° 1	16°36	14°R 7	12°17	11°31	12°19	13°59	25° 2	S 10
M11	21 45 35	24°47'15	28°10	12°45	10°40	25°50	27°29	18°57	16°38	14° 7	12°19	11°32	12°16	14° 6	24°59	M11
T 12	21 49 32	25°45'17	12♏ 5	14°20	11°42	26°28	27°28	18°54	16°39	14° 7	12°21	11°33	12°13	14°13	24°57	T 12
W13	21 53 28	26°43'21	26°11	15°54	12°43	27° 6	27°27	18°51	16°40	14° 6	12°24	11°R34	12°10	14°20	24°54	W13
T 14	21 57 25	27°41'26	10♐25	17°26	13°45	27°44	27°26	18°48	16°41	14° 6	12°26	11°33	12° 7	14°26	24°51	T 14
F 15	22 1 21	28°39'33	24°46	18°58	14°46	28°22	27°26	18°45	16°43	14° 6	12°28	11°32	12° 3	14°33	24°49	F 15
S 16	22 5 18	29°37'41	9♑ 9	20°28	15°47	29° 0	27°26	18°43	16°44	14° 6	12°30	11°31	12° 0	14°40	24°46	S 16
S 17	22 9 15	0♍35'51	23°31	21°57	16°48	29°38	27°D25	18°40	16°46	14° 6	12°32	11°30	11°57	14°47	24°44	S 17
M18	22 13 11	1°34'02	7♒47	23°25	17°48	0♌16	27°25	18°37	16°47	14° 6	12°34	11°29	11°54	14°53	24°41	M18
T 19	22 17 8	2°32'15	21°53	24°51	18°48	0°54	27°26	18°35	16°49	14° 5	12°37	11°28	11°51	15° 0	24°39	T 19
W20	22 21 4	3°30'29	5♓43	26°16	19°47	1°32	27°26	18°32	16°50	14° 5	12°39	11°D27	11°47	15° 7	24°37	W20
T 21	22 25 1	4°28'45	19°16	27°39	20°46	2°10	27°27	18°30	16°52	14° 5	12°41	11°27	11°44	15°13	24°34	T 21
F 22	22 28 57	5°27'04	2♈29	29° 2	21°45	2°48	27°28	18°27	16°54	14° 4	12°43	11°28	11°41	15°20	24°32	F 22
S 23	22 32 54	6°25'24	15°23	0♎22	22°43	3°26	27°29	18°25	16°56	14° 4	12°45	11°28	11°38	15°27	24°30	S 23
S 24	22 36 50	7°23'46	27°58	1°42	23°41	4° 3	27°30	18°23	16°57	14° 4	12°47	11°29	11°35	15°34	24°28	S 24
M25	22 40 47	8°22'10	10♉17	3° 0	24°39	4°41	27°31	18°21	16°59	14° 3	12°50	11°29	11°32	15°40	24°26	M25
T 26	22 44 43	9°20'37	22°23	4°16	25°36	5°19	27°33	18°19	17° 1	14° 3	12°52	11°29	11°28	15°47	24°24	T 26
W27	22 48 40	10°19'05	4♊21	5°31	26°33	5°56	27°34	18°17	17° 3	14° 2	12°54	11°29	11°25	15°54	24°22	W27
T 28	22 52 37	11°17'36	16°14	6°44	27°29	6°34	27°36	18°15	17° 5	14° 1	12°56	11°29	11°22	16° 0	24°20	T 28
F 29	22 56 33	12°16'10	28° 8	7°56	28°25	7°12	27°39	18°13	17° 7	14° 1	12°59	11°29	11°19	16° 7	24°18	F 29
S 30	23 0 30	13°14'45	10♋ 7	9° 5	29°20	7°49	27°41	18°12	17° 9	14° 0	13° 1	11°29	11°16	16°14	24°16	S 30
S 31	23 4 26	14♍13'22	22♋15	10♎13	0♏15	8♌27	27♐43	18♑10	17♏11	14♉ 0	13♍ 3	11♓30	11♓13	16♊21	24♑15	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n22	28n19	5n10	14n24	1n28	0s29	0s30	23n 3	0n56	23s37	0s 6	22s22	0s15	16s34	0n16	14n24	1s49	20n53	14n59	7s10	6s47	27n33	14s 6	7n 9
S 2	16 5	28 25	4 53	13 43	1 24	1 0	0 35	22 58	0 56	23 37	0 6	22 22	0 15	16 35	0 16	14 24	1 49	20 52	14 59	7 12	6 48	27 34	14 7	7 9
S 3	15 47	27 10	4 24	13 1	1 19	1 30	0 40	22 52	0 57	23 37	0 6	22 23	0 15	16 35	0 16	14 24	1 49	20 51	14 59	7 13	6 49	27 35	14 8	7 8
M 4	15 30	24 35	3 42	12 19	1 14	2 0	0 45	22 47	0 57	23 37	0 6	22 24	0 15	16 35	0 16	14 24	1 49	20 50	14 58	7 15	6 51	27 36	14 9	7 8
T 5	15 12	20 50	2 50	11 36	1 8	2 31	0 50	22 41	0 58	23 38	0 6	22 24	0 15	16 35	0 16	14 24	1 50	20 49	14 58	7 16	6 52	27 37	14 9	7 8
W 6	14 53	16 4	1 47	10 53	1 3	3 1	0 56	22 35	0 58	23 38	0 6	22 25	0 15	16 36	0 16	14 24	1 50	20 48	14 58	7 17	6 53	27 38	14 10	7 8
T 7	14 35	10 31	0 39	10 10	0 57	3 31	1 1	22 29	0 59	23 38	0 6	22 25	0 16	16 36	0 16	14 24	1 50	20 47	14 58	7 17	6 54	27 38	14 11	7 7
F 8	14 16	4 25	0s34	9 26	0 50	4 1	1 6	22 23	0 59	23 38	0 7	22 26	0 16	16 36	0 16	14 24	1 50	20 46	14 58	7 17	6 56	27 39	14 12	7 7
S 9	13 57	1s58	1 45	8 43	0 44	4 31	1 12	22 17	1 0	23 38	0 7	22 26	0 16	16 37	0 16	14 24	1 50	20 45	14 58	7 17	6 57	27 40	14 12	7 7
S 10	13 38	8 21	2 52	7 59	0 37	5 1	1 17	22 10	1 0	23 38	0 7	22 27	0 16	16 37	0 16	14 24	1 50	20 44	14 58	7 16	6 58	27 41	14 13	7 7
M11	13 19	14 26	3 50	7 16	0 30	5 31	1 23	22 4	1 1	23 38	0 7	22 27	0 16	16 37	0 16	14 24	1 50	20 43	14 58	7 16	6 59	27 42	14 14	7 6
T 12	12 59	19 53	4 35	6 32	0 22	6 0	1 29	21 57	1 1	23 38	0 7	22 28	0 16	16 38	0 16	14 23	1 50	20 42	14 58	7 16	7 0	27 43	14 15	7 6
W13	12 40	24 19	5 5	5 49	0 15	6 30	1 34	21 50	1 2	23 38	0 7	22 28	0 16	16 38	0 16	14 23	1 50	20 42	14 57	7 15	7 2	27 43	14 15	7 6
T 14	12 20	27 19	5 16	5 6	0 7	6 59	1 40	21 43	1 2	23 38	0 7	22 29	0 16	16 38	0 16	14 23	1 50	20 41	14 57	7 16	7 3	27 44	14 16	7 6
F 15	11 59	28 34	5 7	4 23	0s 0	7 28	1 46	21 36	1 2	23 38	0 7	22 29	0 16	16 39	0 16	14 23	1 50	20 40	14 57	7 16	7 4	27 45	14 17	7 5
S 16	11 39	27 53	4 40	3 40	0 8	7 57	1 52	21 28	1 3	23 39	0 7	22 30	0 16	16 39	0 16	14 23	1 50	20 39	14 57	7 16	7 5	27 46	14 18	7 5
S 17	11 19	25 20	3 55	2 57	0 16	8 26	1 58	21 21	1 3	23 39	0 8	22 30	0 16	16 40	0 16	14 23	1 50	20 38	14 57	7 17	7 7	27 46	14 18	7 5
M18	10 58	21 14	2 56	2 15	0 24	8 55	2 4	21 13	1 4	23 39	0 8	22 31	0 16	16 40	0 16	14 23	1 50	20 37	14 57	7 17	7 8	27 47	14 19	7 4
T 19	10 37	15 57	1 46	1 34	0 32	9 23	2 10	21 5	1 4	23 39	0 8	22 31	0 16	16 41	0 16	14 23	1 50	20 36	14 57	7 18	7 9	27 48	14 20	7 4
W20	10 16	9 57	0 32	0 52	0 41	9 52	2 16	20 57	1 5	23 39	0 8	22 32	0 16	16 41	0 16	14 23	1 50	20 35	14 57	7 18	7 10	27 49	14 20	7 4
T 21	9 55	3 36	0n43	0 11	0 49	10 20	2 22	20 49	1 5	23 39	0 8	22 32	0 17	16 42	0 16	14 22	1 50	20 34	14 57	7 18	7 11	27 49	14 21	7 3
F 22	9 33	2n44	1 54	0s29	0 57	10 47	2 28	20 41	1 6	23 39	0 8	22 32	0 17	16 42	0 16	14 22	1 51	20 34	14 57	7 18	7 13	27 50	14 22	7 3
S 23	9 12	8 48	2 57	1 9	1 6	11 15	2 34	20 33	1 6	23 39	0 8	22 33	0 17	16 43	0 16	14 22	1 51	20 33	14 57	7 18	7 14	27 51	14 23	7 3
S 24	8 50	14 22	3 50	1 49	1 14	11 42	2 40	20 24	1 7	23 39	0 8	22 33	0 17	16 43	0 16	14 22	1 51	20 32	14 57	7 17	7 15	27 51	14 23	7 2
M25	8 28	19 15	4 31	2 27	1 22	12 9	2 46	20 16	1 7	23 40	0 8	22 33	0 17	16 44	0 16	14 22	1 51	20 31	14 57	7 17	7 16	27 52	14 24	7 2
T 26	8 6	23 16	4 59	3 6	1 31	12 36	2 52	20 7	1 8	23 40	0 9	22 34	0 17	16 44	0 16	14 22	1 51	20 30	14 57	7 17	7 17	27 53	14 25	7 1
W27	7 44	26 15	5 14	3 43	1 39	13 3	2 58	19 58	1 8	23 40	0 9	22 34	0 17	16 45	0 16	14 21	1 51	20 29	14 57	7 17	7 19	27 54	14 26	7 1
T 28	7 22	28 4	5 16	4 20	1 47	13 29	3 4	19 49	1 8	23 40	0 9	22 34	0 17	16 46	0 16	14 21	1 51	20 28	14 57	7 17	7 20	27 54	14 26	7 1
F 29	6 59	28 35	5 4	4 55	1 56	13 55	3 10	19 40	1 9	23 40	0 9	22 35	0 17	16 46	0 16	14 21	1 51	20 28	14 57	7 17	7 21	27 55	14 27	7 0
S 30	6 37	27 47	4 38	5 30	2 4	14 21	3 17	19 31	1 9	23 40	0 9	22 35	0 17	16 47	0 16	14 21	1 51	20 27	14 57	7 17	7 22	27 55	14 28	7 0
S 31	6n14	25n39	4n 0	6s 5	2s12	14s46	3s23	19n21	1n10	23s40	0s 9	22s35	0s17	16s47	0n16	14n20	1s51	20n26	14n57	7s17	7s24	27n56	14s28	6n59

Julian Day Number = 2168701.5, Delta T = 12m31s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'29, Lahiri = 13°03'30 Julian Calendar 1 Aug. 1225 == Greg. Calendar 8 Aug. 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

SEPTEMBER 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 8 23	15♍12'02	4♌36	11♎18	1♏ 9	9♌ 4	27♐46	18°R 9	17♏13	13°R59	13♍ 5	11♓30	11♓ 9	16♊27	24°R13	M 1
T 2	23 12 19	16°10'44	17°13	12°21	2° 3	9°42	27°49	18♑ 8	17°16	13♉58	13° 7	11°31	11° 6	16°34	24♑11	T 2
W 3	23 16 16	17° 9'28	0♍ 7	13°22	2°56	10°19	27°52	18° 6	17°18	13°58	13°10	11°31	11° 3	16°41	24°10	W 3
T 4	23 20 12	18° 8'14	13°20	14°21	3°48	10°56	27°55	18° 5	17°20	13°57	13°12	11°R31	11° 0	16°48	24° 8	T 4
F 5	23 24 9	19° 7'02	26°50	15°17	4°40	11°34	27°59	18° 4	17°23	13°56	13°14	11°31	10°57	16°54	24° 7	F 5
S 6	23 28 6	20° 5'52	10♎36	16° 9	5°31	12°11	28° 2	18° 3	17°25	13°55	13°16	11°30	10°53	17° 1	24° 6	S 6
S 7	23 32 2	21° 4'44	24°35	16°59	6°22	12°48	28° 6	18° 2	17°27	13°54	13°18	11°29	10°50	17° 8	24° 4	S 7
M 8	23 35 59	22° 3'38	8♏43	17°45	7°12	13°26	28°10	18° 1	17°30	13°53	13°21	11°28	10°47	17°14	24° 3	M 8
T 9	23 39 55	23° 2'33	22°57	18°28	8° 1	14° 3	28°14	18° 1	17°32	13°52	13°23	11°27	10°44	17°21	24° 2	T 9
W10	23 43 52	24° 1'31	7♐13	19° 6	8°50	14°40	28°19	18° 0	17°35	13°52	13°25	11°26	10°41	17°28	24° 1	W10
T 11	23 47 48	25° 0'30	21°28	19°40	9°37	15°17	28°23	18° 0	17°37	13°51	13°27	11°D25	10°38	17°35	24° 0	T 11
F 12	23 51 45	25°59'31	5♑40	20° 9	10°24	15°54	28°28	17°59	17°40	13°50	13°29	11°25	10°34	17°41	23°59	F 12
S 13	23 55 41	26°58'34	19°45	20°33	11°10	16°31	28°33	17°59	17°43	13°49	13°31	11°26	10°31	17°48	23°58	S 13
S 14	23 59 38	27°57'39	3♒42	20°52	11°56	17° 8	28°38	17°59	17°45	13°47	13°34	11°27	10°28	17°55	23°57	S 14
M15	0 3 35	28°56'45	17°31	21° 4	12°40	17°45	28°43	17°D59	17°48	13°46	13°36	11°28	10°25	18° 2	23°57	M15
T 16	0 7 31	29°55'53	1♓ 8	21°R10	13°23	18°22	28°48	17°59	17°51	13°45	13°38	11°29	10°22	18° 8	23°56	T 16
W17	0 11 28	0♎55'03	14°34	21° 9	14° 5	18°59	28°54	17°59	17°54	13°44	13°40	11°R30	10°19	18°15	23°55	W17
T 18	0 15 24	1°54'15	27°46	21° 1	14°47	19°36	28°59	17°59	17°56	13°43	13°42	11°29	10°15	18°22	23°55	T 18
F 19	0 19 21	2°53'30	10♈44	20°45	15°27	20°13	29° 5	18° 0	17°59	13°42	13°44	11°27	10°12	18°28	23°54	F 19
S 20	0 23 17	3°52'46	23°27	20°21	16° 6	20°49	29°11	18° 0	18° 2	13°41	13°46	11°24	10° 9	18°35	23°54	S 20
S 21	0 27 14	4°52'04	5♉56	19°49	16°44	21°26	29°17	18° 1	18° 5	13°39	13°49	11°20	10° 6	18°42	23°54	S 21
M22	0 31 10	5°51'25	18°12	19° 8	17°20	22° 3	29°24	18° 1	18° 8	13°38	13°51	11°16	10° 3	18°49	23°53	M22
T 23	0 35 7	6°50'48	0♊17	18°20	17°56	22°39	29°30	18° 2	18°11	13°37	13°53	11°12	9°59	18°55	23°53	T 23
W24	0 39 4	7°50'13	12°14	17°25	18°30	23°16	29°37	18° 3	18°14	13°36	13°55	11° 9	9°56	19° 2	23°53	W24
T 25	0 43 0	8°49'41	24° 7	16°22	19° 3	23°53	29°44	18° 4	18°17	13°34	13°57	11° 7	9°53	19° 9	23°D53	T 25
F 26	0 46 57	9°49'11	5♋59	15°15	19°34	24°29	29°50	18° 5	18°20	13°33	13°59	11°D 6	9°50	19°15	23°53	F 26
S 27	0 50 53	10°48'43	17°57	14° 4	20° 4	25° 6	29°58	18° 6	18°23	13°32	14° 1	11° 6	9°47	19°22	23°53	S 27
S 28	0 54 50	11°48'18	0♌ 3	12°50	20°33	25°42	0♑ 5	18° 7	18°26	13°30	14° 3	11° 7	9°44	19°29	23°53	S 28
M29	0 58 46	12°47'55	12°25	11°37	20°59	26°19	0°12	18° 8	18°30	13°29	14° 5	11° 9	9°40	19°36	23°54	M29
T 30	1 2 43	13♎47'34	25♌ 4	10♎26	21♏25	26♌55	0♑20	18♑10	18♏33	13♉27	14♍ 7	11♓10	9♓37	19♊42	23♑54	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n51	22n16	3n11	6s38	2s19	15s11	3s29	19n12	1n10	23s41	0s 9	22s35	0s17	16s48	0n16	14n20	1s51	20n25	14n57	7s17	7s25	27n57	14s29	6n59
T 2	5 29	17 49	2 11	7 10	2 27	15 36	3 35	19 2	1 11	23 41	0 9	22 36	0 17	16 49	0 16	14 20	1 51	20 24	14 57	7 17	7 26	27 57	14 30	6 59
W 3	5 6	12 27	1 3	7 40	2 35	16 0	3 41	18 52	1 11	23 41	0 9	22 36	0 17	16 49	0 16	14 20	1 51	20 24	14 58	7 17	7 27	27 58	14 30	6 58
T 4	4 43	6 25	0s10	8 10	2 42	16 24	3 47	18 42	1 12	23 41	0 9	22 36	0 17	16 50	0 16	14 19	1 51	20 23	14 58	7 17	7 28	27 59	14 31	6 58
F 5	4 19	0s 1	1 24	8 38	2 49	16 48	3 53	18 33	1 12	23 41	0 10	22 36	0 17	16 51	0 16	14 19	1 51	20 22	14 58	7 17	7 30	27 59	14 32	6 57
S 6	3 56	6 34	2 34	9 5	2 56	17 11	4 0	18 22	1 12	23 41	0 10	22 36	0 17	16 51	0 15	14 19	1 51	20 21	14 58	7 17	7 31	28 0	14 32	6 57
S 7	3 33	12 55	3 36	9 30	3 2	17 34	4 6	18 12	1 13	23 41	0 10	22 37	0 18	16 52	0 15	14 18	1 51	20 20	14 58	7 17	7 32	28 0	14 33	6 57
M 8	3 10	18 40	4 26	9 53	3 8	17 56	4 12	18 2	1 13	23 42	0 10	22 37	0 18	16 53	0 15	14 18	1 51	20 20	14 58	7 18	7 33	28 1	14 34	6 56
T 9	2 46	23 25	5 0	10 15	3 14	18 18	4 18	17 52	1 14	23 42	0 10	22 37	0 18	16 53	0 15	14 18	1 51	20 19	14 58	7 18	7 34	28 2	14 34	6 56
W10	2 23	26 47	5 15	10 34	3 19	18 39	4 24	17 41	1 14	23 42	0 10	22 37	0 18	16 54	0 15	14 18	1 52	20 18	14 58	7 19	7 36	28 2	14 35	6 55
T 11	1 59	28 26	5 11	10 52	3 23	19 1	4 29	17 31	1 15	23 42	0 10	22 37	0 18	16 55	0 15	14 17	1 52	20 17	14 58	7 19	7 37	28 3	14 35	6 55
F 12	1 36	28 13	4 48	11 6	3 27	19 21	4 35	17 20	1 15	23 42	0 10	22 37	0 18	16 56	0 15	14 17	1 52	20 17	14 59	7 19	7 38	28 3	14 36	6 54
S 13	1 12	26 10	4 8	11 19	3 31	19 41	4 41	17 9	1 16	23 42	0 10	22 37	0 18	16 56	0 15	14 17	1 52	20 16	14 59	7 18	7 39	28 4	14 37	6 54
S 14	0 49	22 32	3 14	11 28	3 33	20 1	4 47	16 58	1 16	23 42	0 10	22 37	0 18	16 57	0 15	14 16	1 52	20 15	14 59	7 18	7 40	28 4	14 37	6 53
M15	0 25	17 41	2 8	11 34	3 35	20 20	4 52	16 47	1 16	23 43	0 10	22 38	0 18	16 58	0 15	14 16	1 52	20 15	14 59	7 17	7 42	28 5	14 38	6 53
T 16	0 2	12 0	0 57	11 37	3 35	20 39	4 58	16 36	1 17	23 43	0 11	22 38	0 18	16 59	0 15	14 15	1 52	20 14	14 59	7 17	7 43	28 5	14 38	6 52
W17	0s22	5 51	0n17	11 36	3 35	20 57	5 3	16 25	1 17	23 43	0 11	22 38	0 18	17 0	0 15	14 15	1 52	20 13	14 59	7 17	7 44	28 6	14 39	6 52
T 18	0 46	0n27	1 28	11 31	3 33	21 15	5 9	16 14	1 18	23 43	0 11	22 38	0 18	17 0	0 15	14 15	1 52	20 13	15 0	7 17	7 45	28 6	14 40	6 51
F 19	1 9	6 37	2 34	11 22	3 30	21 32	5 14	16 3	1 18	23 43	0 11	22 38	0 18	17 1	0 15	14 14	1 52	20 12	15 0	7 18	7 47	28 7	14 40	6 51
S 20	1 33	12 24	3 30	11 9	3 25	21 49	5 19	15 51	1 19	23 43	0 11	22 38	0 18	17 2	0 15	14 14	1 52	20 11	15 0	7 19	7 48	28 7	14 41	6 51
S 21	1 57	17 34	4 16	10 50	3 18	22 5	5 24	15 40	1 19	23 43	0 11	22 38	0 18	17 3	0 15	14 13	1 52	20 11	15 0	7 21	7 49	28 8	14 41	6 50
M22	2 20	21 56	4 48	10 27	3 10	22 20	5 29	15 28	1 19	23 43	0 11	22 38	0 18	17 4	0 15	14 13	1 52	20 10	15 1	7 22	7 50	28 8	14 42	6 50
T 23	2 44	25 18	5 7	10 0	3 0	22 35	5 34	15 17	1 20	23 44	0 11	22 38	0 18	17 5	0 15	14 13	1 52	20 9	15 1	7 24	7 51	28 9	14 42	6 49
W24	3 7	27 32	5 13	9 27	2 48	22 49	5 38	15 5	1 20	23 44	0 11	22 37	0 18	17 5	0 15	14 12	1 52	20 9	15 1	7 25	7 53	28 9	14 43	6 49
T 25	3 31	28 29	5 5	8 51	2 35	23 3	5 43	14 53	1 21	23 44	0 11	22 37	0 18	17 6	0 15	14 12	1 52	20 8	15 1	7 26	7 54	28 9	14 43	6 48
F 26	3 54	28 8	4 44	8 10	2 19	23 15	5 47	14 41	1 21	23 44	0 11	22 37	0 19	17 7	0 15	14 11	1 52	20 8	15 1	7 26	7 55	28 10	14 44	6 48
S 27	4 18	26 29	4 11	7 26	2 2	23 28	5 51	14 30	1 22	23 44	0 11	22 37	0 19	17 8	0 15	14 11	1 52	20 7	15 2	7 26	7 56	28 10	14 44	6 47
S 28	4 41	23 35	3 26	6 41	1 43	23 39	5 55	14 18	1 22	23 44	0 12	22 37	0 19	17 9	0 15	14 11	1 52	20 7	15 2	7 26	7 57	28 11	14 44	6 47
M29	5 5	19 34	2 31	5 54	1 24	23 50	5 58	14 6	1 22	23 44	0 12	22 37	0 19	17 10	0 15	14 10	1 52	20 6	15 2	7 25	7 59	28 11	14 45	6 46
T 30	5s28	14n35	1n27	5s 7	1s 3	24s 0	6s 2	13n53	1n23	23s44	0s12	22s37	0s19	17s11	0n15	14n10	1s52	20n 5	15n 3	7s24	8s 0	28n11	14s45	6n46

Julian Day Number = 2168732.5, Delta T = 12m30s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'33, Lahiri = 13°03'34 Julian Calendar 1 Sept. 1225 == Greg. Calendar 8 Sept. 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

OCTOBER 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 6 39	14♎47'15	8♍ 6	9°R18	21♏48	27♌31	0♉27	18♉11	18♏36	13°R26	14♍ 9	11°R11	9♓34	19♊49	23♉54	W 1
T 2	1 10 36	15°46'59	21°31	8♎18	22°10	28° 7	0°35	18°13	18°39	13♉25	14°11	11♓11	9°31	19°56	23°55	T 2
F 3	1 14 33	16°46'45	5♎20	7°25	22°30	28°44	0°43	18°15	18°42	13°23	14°13	11° 9	9°28	20° 2	23°55	F 3
S 4	1 18 29	17°46'32	19°30	6°41	22°48	29°20	0°51	18°17	18°46	13°22	14°15	11° 5	9°24	20° 9	23°56	S 4
S 5	1 22 26	18°46'22	3♏57	6° 8	23° 4	29°56	1° 0	18°18	18°49	13°20	14°17	11° 0	9°21	20°16	23°57	S 5
M 6	1 26 22	19°46'14	18°35	5°47	23°18	0♍32	1° 8	18°20	18°52	13°19	14°19	10°54	9°18	20°23	23°57	M 6
T 7	1 30 19	20°46'08	3♐16	5°D36	23°30	1° 8	1°16	18°23	18°56	13°17	14°20	10°47	9°15	20°29	23°58	T 7
W 8	1 34 15	21°46'03	17°53	5°37	23°40	1°44	1°25	18°25	18°59	13°16	14°22	10°42	9°12	20°36	23°59	W 8
T 9	1 38 12	22°46'01	2♑21	5°49	23°48	2°20	1°34	18°27	19° 3	13°14	14°24	10°39	9° 9	20°43	24° 0	T 9
F 10	1 42 8	23°46'00	16°36	6°12	23°53	2°56	1°43	18°29	19° 6	13°12	14°26	10°37	9° 5	20°50	24° 1	F 10
S 11	1 46 5	24°46'00	0♒34	6°44	23°56	3°32	1°52	18°32	19° 9	13°11	14°28	10°D37	9° 2	20°56	24° 2	S 11
S 12	1 50 2	25°46'02	14°17	7°25	23°R57	4° 8	2° 1	18°35	19°13	13° 9	14°29	10°38	8°59	21° 3	24° 3	S 12
M13	1 53 58	26°46'06	27°45	8°14	23°55	4°43	2°10	18°37	19°16	13° 8	14°31	10°39	8°56	21°10	24° 5	M13
T 14	1 57 55	27°46'11	10♓59	9°10	23°51	5°19	2°20	18°40	19°20	13° 6	14°33	10°R40	8°53	21°16	24° 6	T 14
W15	2 1 51	28°46'18	24° 1	10°12	23°45	5°55	2°29	18°43	19°23	13° 4	14°35	10°39	8°50	21°23	24° 7	W15
T 16	2 5 48	29°46'26	6♈51	11°20	23°36	6°30	2°39	18°46	19°27	13° 3	14°36	10°36	8°46	21°30	24° 9	T 16
F 17	2 9 44	0♏46'36	19°30	12°33	23°24	7° 6	2°49	18°49	19°30	13° 1	14°38	10°30	8°43	21°37	24°10	F 17
S 18	2 13 41	1°46'49	1♉58	13°49	23°11	7°41	2°58	18°52	19°34	12°59	14°40	10°22	8°40	21°43	24°12	S 18
S 19	2 17 37	2°47'02	14°17	15°10	22°54	8°17	3° 8	18°55	19°38	12°58	14°41	10°13	8°37	21°50	24°14	S 19
M20	2 21 34	3°47'18	26°26	16°33	22°36	8°52	3°19	18°59	19°41	12°56	14°43	10° 2	8°34	21°57	24°15	M20
T 21	2 25 30	4°47'36	8♊27	17°58	22°15	9°28	3°29	19° 2	19°45	12°54	14°45	9°52	8°30	22° 3	24°17	T 21
W22	2 29 27	5°47'56	20°22	19°26	21°52	10° 3	3°39	19° 5	19°48	12°53	14°46	9°42	8°27	22°10	24°19	W22
T 23	2 33 24	6°48'17	2♋13	20°55	21°27	10°38	3°49	19° 9	19°52	12°51	14°48	9°34	8°24	22°17	24°21	T 23
F 24	2 37 20	7°48'41	14° 4	22°26	20°59	11°13	4° 0	19°13	19°56	12°49	14°49	9°29	8°21	22°24	24°23	F 24
S 25	2 41 17	8°49'06	25°58	23°58	20°30	11°48	4°11	19°16	19°59	12°48	14°51	9°26	8°18	22°30	24°25	S 25
S 26	2 45 13	9°49'34	8♌ 1	25°31	20° 0	12°24	4°21	19°20	20° 3	12°46	14°52	9°D25	8°15	22°37	24°27	S 26
M27	2 49 10	10°50'03	20°18	27° 4	19°28	12°59	4°32	19°24	20° 7	12°44	14°54	9°25	8°11	22°44	24°29	M27
T 28	2 53 6	11°50'34	2♍54	28°38	18°54	13°33	4°43	19°28	20°10	12°43	14°55	9°R26	8° 8	22°51	24°31	T 28
W29	2 57 3	12°51'07	15°53	0♏12	18°20	14° 8	4°54	19°32	20°14	12°41	14°56	9°26	8° 5	22°57	24°34	W29
T 30	3 1 0	13°51'42	29°19	1°47	17°45	14°43	5° 5	19°36	20°18	12°39	14°58	9°24	8° 2	23° 4	24°36	T 30
F 31	3 4 56	14♏52'18	13♎15	3♏22	17♏ 9	15♍18	5♉17	19♉41	20♏21	12♉38	14♍59	9♓20	7♓59	23♊11	24♉39	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s51	8n50	0n17	4s21	0s43	24s10	6s 5	13n41	1n23	23s44	0s12	22s37	0s19	17s12	0n15	14n 9	1s52	20n 5	15n 3	7s24	8s 1	28n12	14s46	6n45
T 2	6 14	2 31	0s56	3 38	0 22	24 18	6 8	13 29	1 24	23 44	0 12	22 36	0 19	17 13	0 15	14 9	1 52	20 4	15 3	7 24	8 2	28 12	14 46	6 45
F 3	6 37	4s 5	2 8	2 59	0 2	24 26	6 10	13 17	1 24	23 44	0 12	22 36	0 19	17 13	0 15	14 8	1 52	20 4	15 3	7 25	8 3	28 13	14 47	6 44
S 4	7 0	10 38	3 13	2 24	0n17	24 33	6 13	13 4	1 25	23 44	0 12	22 36	0 19	17 14	0 15	14 8	1 52	20 3	15 4	7 26	8 5	28 13	14 47	6 44
S 5	7 23	16 46	4 8	1 55	0 35	24 39	6 15	12 52	1 25	23 44	0 12	22 36	0 19	17 15	0 15	14 7	1 52	20 3	15 4	7 28	8 6	28 13	14 47	6 43
M 6	7 46	22 1	4 46	1 31	0 52	24 44	6 16	12 40	1 25	23 44	0 12	22 36	0 19	17 16	0 15	14 7	1 52	20 3	15 4	7 31	8 7	28 14	14 48	6 43
T 7	8 9	25 55	5 7	1 13	1 7	24 49	6 17	12 27	1 26	23 44	0 12	22 35	0 19	17 17	0 15	14 6	1 53	20 2	15 5	7 33	8 8	28 14	14 48	6 42
W 8	8 31	28 5	5 7	1 1	1 20	24 52	6 18	12 15	1 26	23 44	0 12	22 35	0 19	17 18	0 15	14 6	1 53	20 2	15 5	7 35	8 9	28 14	14 48	6 42
T 9	8 54	28 19	4 48	0 55	1 32	24 54	6 19	12 2	1 27	23 44	0 12	22 35	0 19	17 19	0 15	14 5	1 53	20 1	15 5	7 36	8 11	28 15	14 49	6 41
F 10	9 16	26 39	4 11	0 55	1 42	24 56	6 19	11 49	1 27	23 44	0 12	22 35	0 19	17 20	0 15	14 5	1 53	20 1	15 6	7 37	8 12	28 15	14 49	6 41
S 11	9 38	23 21	3 19	1 0	1 50	24 56	6 18	11 37	1 28	23 44	0 13	22 34	0 19	17 21	0 15	14 4	1 53	20 0	15 6	7 37	8 13	28 15	14 49	6 40
S 12	10 0	18 48	2 18	1 10	1 57	24 55	6 17	11 24	1 28	23 44	0 13	22 34	0 19	17 22	0 15	14 4	1 53	20 0	15 6	7 37	8 14	28 16	14 50	6 40
M13	10 22	13 23	1 9	1 24	2 3	24 54	6 16	11 11	1 28	23 44	0 13	22 34	0 19	17 23	0 15	14 3	1 53	20 0	15 7	7 36	8 15	28 16	14 50	6 39
T 14	10 44	7 27	0n 2	1 43	2 7	24 50	6 14	10 59	1 29	23 44	0 13	22 33	0 19	17 24	0 15	14 3	1 53	19 59	15 7	7 36	8 17	28 16	14 50	6 39
W15	11 5	1 18	1 11	2 5	2 9	24 46	6 11	10 46	1 29	23 44	0 13	22 33	0 19	17 25	0 15	14 2	1 53	19 59	15 8	7 36	8 18	28 16	14 50	6 38
T 16	11 26	4n49	2 16	2 30	2 11	24 41	6 8	10 33	1 30	23 44	0 13	22 33	0 20	17 26	0 15	14 2	1 53	19 59	15 8	7 38	8 19	28 17	14 50	6 38
F 17	11 48	10 38	3 13	2 58	2 11	24 34	6 4	10 20	1 30	23 44	0 13	22 32	0 20	17 27	0 15	14 1	1 53	19 58	15 8	7 40	8 20	28 17	14 51	6 37
S 18	12 9	15 57	4 0	3 28	2 11	24 26	6 0	10 7	1 31	23 44	0 13	22 32	0 20	17 28	0 15	14 1	1 53	19 58	15 9	7 43	8 21	28 17	14 51	6 37
S 19	12 29	20 33	4 34	4 0	2 10	24 17	5 54	9 54	1 31	23 43	0 13	22 31	0 20	17 29	0 15	14 0	1 53	19 58	15 9	7 46	8 22	28 17	14 51	6 37
M20	12 50	24 14	4 56	4 34	2 8	24 7	5 49	9 41	1 31	23 43	0 13	22 31	0 20	17 30	0 15	14 0	1 53	19 58	15 10	7 50	8 24	28 18	14 51	6 36
T 21	13 10	26 49	5 4	5 9	2 5	23 55	5 42	9 28	1 32	23 43	0 13	22 31	0 20	17 31	0 15	13 59	1 53	19 57	15 10	7 54	8 25	28 18	14 51	6 36
W22	13 31	28 10	4 59	5 46	2 1	23 42	5 35	9 15	1 32	23 43	0 13	22 30	0 20	17 32	0 15	13 59	1 53	19 57	15 10	7 58	8 26	28 18	14 52	6 35
T 23	13 51	28 13	4 41	6 23	1 58	23 27	5 27	9 2	1 33	23 43	0 13	22 30	0 20	17 33	0 15	13 58	1 53	19 57	15 11	8 1	8 27	28 18	14 52	6 35
F 24	14 10	26 58	4 11	7 1	1 53	23 11	5 18	8 49	1 33	23 42	0 14	22 29	0 20	17 34	0 15	13 58	1 53	19 57	15 11	8 3	8 28	28 18	14 52	6 34
S 25	14 30	24 29	3 30	7 39	1 48	22 55	5 9	8 36	1 33	23 42	0 14	22 29	0 20	17 35	0 15	13 57	1 53	19 56	15 12	8 4	8 30	28 19	14 52	6 34
S 26	14 49	20 54	2 39	8 18	1 43	22 36	4 59	8 23	1 34	23 42	0 14	22 28	0 20	17 36	0 15	13 57	1 53	19 56	15 12	8 5	8 31	28 19	14 52	6 33
M27	15 8	16 22	1 40	8 57	1 38	22 17	4 48	8 10	1 34	23 42	0 14	22 28	0 20	17 37	0 15	13 56	1 53	19 56	15 13	8 4	8 32	28 19	14 52	6 33
T 28	15 27	11 2	0 35	9 36	1 32	21 57	4 37	7 57	1 35	23 41	0 14	22 27	0 20	17 38	0 15	13 56	1 53	19 56	15 13	8 4	8 33	28 19	14 52	6 32
W29	15 46	5 4	0s34	10 15	1 26	21 36	4 25	7 44	1 35	23 41	0 14	22 27	0 20	17 39	0 15	13 55	1 53	19 56	15 13	8 4	8 34	28 19	14 52	6 32
T 30	16 4	1s19	1 44	10 54	1 20	21 13	4 12	7 31	1 36	23 41	0 14	22 26	0 20	17 40	0 15	13 55	1 53	19 56	15 14	8 5	8 36	28 19	14 52	6 32
F 31	16s22	7s51	2s50	11s32	1n14	20s50	3s59	7n17	1n36	23s40	0s14	22s26	0s20	17s41	0n15	13n54	1s53	19n56	15n14	8s 6	8s37	28n19	14s52	6n31

Julian Day Number = 2168762.5, Delta T = 12m30s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'37, Lahiri = 13°03'38 Julian Calendar 1 Oct. 1225 == Greg. Calendar 8 Oct. 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

NOVEMBER 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 53	15♏52'56	27♎37	4♏57	16°R33	15♍53	5♑28	19♑45	20♏25	12°R36	15♍ 0	9°R13	7♓56	23♊17	24♑41	S 1
S 2	3 12 49	16°53'36	12♏23	6°32	15♏56	16°27	5°39	19°49	20°29	12♉34	15° 2	9♓ 3	7°52	23°24	24°44	S 2
M 3	3 16 46	17°54'18	27°25	8° 8	15°20	17° 2	5°51	19°54	20°33	12°32	15° 3	8°53	7°49	23°31	24°46	M 3
T 4	3 20 42	18°55'00	12♐32	9°43	14°44	17°36	6° 2	19°58	20°36	12°31	15° 4	8°42	7°46	23°38	24°49	T 4
W 5	3 24 39	19°55'45	27°35	11°18	14° 9	18°11	6°14	20° 3	20°40	12°29	15° 5	8°32	7°43	23°44	24°52	W 5
T 6	3 28 35	20°56'30	12♑24	12°53	13°35	18°45	6°26	20° 8	20°44	12°27	15° 6	8°25	7°40	23°51	24°54	T 6
F 7	3 32 32	21°57'17	26°53	14°28	13° 1	19°19	6°38	20°12	20°47	12°26	15° 7	8°20	7°36	23°58	24°57	F 7
S 8	3 36 29	22°58'04	10♒58	16° 3	12°29	19°54	6°50	20°17	20°51	12°24	15° 9	8°18	7°33	24° 4	25° 0	S 8
S 9	3 40 25	23°58'52	24°40	17°38	11°59	20°28	7° 2	20°22	20°55	12°22	15°10	8°D18	7°30	24°11	25° 3	S 9
M10	3 44 22	24°59'42	8♓ 1	19°12	11°30	21° 2	7°14	20°27	20°58	12°21	15°11	8°R18	7°27	24°18	25° 6	M10
T 11	3 48 18	26° 0'32	21° 2	20°47	11° 3	21°36	7°26	20°32	21° 2	12°19	15°12	8°17	7°24	24°25	25° 9	T 11
W12	3 52 15	27° 1'23	3♈48	22°21	10°38	22°10	7°38	20°37	21° 6	12°17	15°13	8°15	7°21	24°31	25°12	W12
T 13	3 56 11	28° 2'15	16°20	23°56	10°15	22°44	7°51	20°43	21°10	12°16	15°14	8°10	7°17	24°38	25°16	T 13
F 14	4 0 8	29° 3'08	28°43	25°30	9°54	23°17	8° 3	20°48	21°13	12°14	15°15	8° 1	7°14	24°45	25°19	F 14
S 15	4 4 4	0♐ 4'02	10♉57	27° 5	9°36	23°51	8°15	20°53	21°17	12°13	15°15	7°50	7°11	24°51	25°22	S 15
S 16	4 8 1	1° 4'57	23° 4	28°39	9°20	24°25	8°28	20°58	21°21	12°11	15°16	7°37	7° 8	24°58	25°25	S 16
M17	4 11 58	2° 5'54	5♊ 5	0♐13	9° 6	24°58	8°41	21° 4	21°24	12° 9	15°17	7°22	7° 5	25° 5	25°29	M17
T 18	4 15 54	3° 6'51	17° 1	1°47	8°55	25°31	8°53	21° 9	21°28	12° 8	15°18	7° 7	7° 2	25°12	25°32	T 18
W19	4 19 51	4° 7'49	28°54	3°22	8°47	26° 5	9° 6	21°15	21°32	12° 6	15°19	6°53	6°58	25°18	25°36	W19
T 20	4 23 47	5° 8'48	10♋45	4°56	8°40	26°38	9°19	21°21	21°35	12° 5	15°19	6°41	6°55	25°25	25°39	T 20
F 21	4 27 44	6° 9'49	22°35	6°30	8°37	27°11	9°32	21°26	21°39	12° 3	15°20	6°32	6°52	25°32	25°43	F 21
S 22	4 31 40	7°10'50	4♌29	8° 5	8°D36	27°44	9°45	21°32	21°42	12° 2	15°21	6°27	6°49	25°38	25°47	S 22
S 23	4 35 37	8°11'53	16°31	9°39	8°37	28°17	9°58	21°38	21°46	12° 0	15°21	6°24	6°46	25°45	25°50	S 23
M24	4 39 33	9°12'56	28°44	11°13	8°41	28°50	10°11	21°44	21°50	11°59	15°22	6°22	6°42	25°52	25°54	M24
T 25	4 43 30	10°14'01	11♍14	12°48	8°47	29°23	10°24	21°50	21°53	11°57	15°22	6°22	6°39	25°59	25°58	T 25
W26	4 47 27	11°15'06	24° 7	14°23	8°56	29°56	10°37	21°56	21°57	11°56	15°23	6°22	6°36	26° 5	26° 2	W26
T 27	4 51 23	12°16'13	7♎25	15°58	9° 6	0♎28	10°50	22° 2	22° 0	11°55	15°23	6°20	6°33	26°12	26° 5	T 27
F 28	4 55 20	13°17'20	21°14	17°33	9°19	1° 1	11° 3	22° 8	22° 4	11°53	15°24	6°16	6°30	26°19	26° 9	F 28
S 29	4 59 16	14°18'28	5♏33	19° 8	9°35	1°33	11°17	22°14	22° 7	11°52	15°24	6° 9	6°27	26°25	26°13	S 29
S 30	5 3 13	15♐19'37	20♏20	20♐43	9♏52	2♎ 6	11♑30	22♑20	22♏11	11♉50	15♍25	5♓59	6♓23	26♊32	26♑17	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s40	14s11	3s47	12s10	1n 7	20s27	3s45	7n 4	1n36	23s40	0s14	22s25	0s20	17s42	0n15	13n54	1s53	19n56	15n15	8s 9	8s38	28n20	14s52	6n31
S 2	16 57	19 54	4 30	12 48	1 1	20 3	3 31	6 51	1 37	23 39	0 14	22 24	0 20	17 43	0 15	13 53	1 53	19 55	15 15	8 12	8 39	28 20	14 52	6 30
M 3	17 14	24 28	4 56	13 26	0 54	19 38	3 16	6 38	1 37	23 39	0 14	22 24	0 20	17 44	0 15	13 53	1 53	19 55	15 16	8 16	8 40	28 20	14 52	6 30
T 4	17 31	27 22	5 1	14 2	0 47	19 13	3 2	6 25	1 38	23 39	0 14	22 23	0 20	17 45	0 15	13 52	1 53	19 55	15 16	8 21	8 42	28 20	14 52	6 29
W 5	17 48	28 16	4 45	14 39	0 40	18 48	2 46	6 12	1 38	23 38	0 14	22 22	0 20	17 46	0 15	13 52	1 53	19 55	15 17	8 24	8 43	28 20	14 52	6 29
T 6	18 4	27 7	4 11	15 14	0 34	18 23	2 31	5 59	1 38	23 38	0 15	22 22	0 21	17 47	0 15	13 51	1 53	19 55	15 17	8 27	8 44	28 20	14 52	6 29
F 7	18 20	24 9	3 21	15 49	0 27	17 58	2 16	5 46	1 39	23 37	0 15	22 21	0 21	17 48	0 15	13 51	1 53	19 55	15 18	8 29	8 45	28 20	14 52	6 28
S 8	18 36	19 47	2 19	16 24	0 20	17 33	2 0	5 32	1 39	23 37	0 15	22 21	0 21	17 49	0 15	13 50	1 53	19 55	15 18	8 30	8 46	28 20	14 52	6 28
S 9	18 51	14 29	1 11	16 57	0 13	17 9	1 44	5 19	1 40	23 36	0 15	22 20	0 21	17 50	0 15	13 50	1 53	19 55	15 19	8 30	8 47	28 20	14 52	6 27
M10	19 6	8 37	0 1	17 30	0 6	16 45	1 29	5 6	1 40	23 35	0 15	22 19	0 21	17 51	0 15	13 49	1 53	19 55	15 19	8 30	8 49	28 20	14 51	6 27
T 11	19 20	2 33	1n 7	18 2	0s 1	16 22	1 13	4 53	1 41	23 35	0 15	22 18	0 21	17 52	0 15	13 49	1 53	19 56	15 20	8 30	8 50	28 20	14 51	6 27
W12	19 35	3n30	2 10	18 33	0 7	16 0	0 58	4 40	1 41	23 34	0 15	22 18	0 21	17 53	0 15	13 48	1 53	19 56	15 20	8 31	8 51	28 20	14 51	6 26
T 13	19 48	9 19	3 6	19 4	0 14	15 38	0 43	4 27	1 41	23 34	0 15	22 17	0 21	17 54	0 15	13 48	1 53	19 56	15 21	8 33	8 52	28 20	14 51	6 26
F 14	20 2	14 41	3 53	19 33	0 21	15 17	0 28	4 14	1 42	23 33	0 15	22 16	0 21	17 55	0 15	13 47	1 53	19 56	15 21	8 36	8 53	28 20	14 51	6 26
S 15	20 15	19 24	4 27	20 2	0 27	14 58	0 14	4 1	1 42	23 32	0 15	22 15	0 21	17 55	0 15	13 47	1 53	19 56	15 22	8 40	8 55	28 20	14 51	6 25
S 16	20 28	23 17	4 50	20 29	0 33	14 39	0n 1	3 48	1 43	23 31	0 15	22 15	0 21	17 56	0 15	13 46	1 52	19 56	15 22	8 45	8 56	28 20	14 50	6 25
M17	20 40	26 8	4 59	20 56	0 40	14 22	0 14	3 35	1 43	23 31	0 15	22 14	0 21	17 57	0 15	13 46	1 52	19 56	15 23	8 51	8 57	28 20	14 50	6 24
T 18	20 52	27 48	4 55	21 21	0 46	14 6	0 28	3 22	1 44	23 30	0 15	22 13	0 21	17 58	0 15	13 45	1 52	19 56	15 23	8 56	8 58	28 20	14 50	6 24
W19	21 4	28 10	4 38	21 46	0 52	13 50	0 41	3 9	1 44	23 29	0 16	22 12	0 21	17 59	0 14	13 45	1 52	19 57	15 24	9 1	8 59	28 20	14 49	6 24
T 20	21 15	27 14	4 9	22 10	0 58	13 37	0 54	2 56	1 44	23 28	0 16	22 11	0 21	18 0	0 14	13 45	1 52	19 57	15 24	9 6	9 1	28 20	14 49	6 23
F 21	21 26	25 4	3 29	22 32	1 4	13 24	1 6	2 43	1 45	23 28	0 16	22 11	0 21	18 1	0 14	13 44	1 52	19 57	15 25	9 9	9 2	28 20	14 49	6 23
S 22	21 36	21 48	2 40	22 53	1 9	13 12	1 17	2 31	1 45	23 27	0 16	22 10	0 21	18 2	0 14	13 44	1 52	19 57	15 26	9 11	9 3	28 20	14 49	6 23
S 23	21 46	17 35	1 43	23 13	1 15	13 2	1 29	2 18	1 46	23 26	0 16	22 9	0 21	18 3	0 14	13 43	1 52	19 57	15 26	9 12	9 4	28 20	14 48	6 22
M24	21 56	12 36	0 40	23 32	1 20	12 53	1 39	2 5	1 46	23 25	0 16	22 8	0 21	18 4	0 14	13 43	1 52	19 58	15 27	9 13	9 5	28 20	14 48	6 22
T 25	22 5	6 59	0s26	23 50	1 25	12 45	1 50	1 52	1 46	23 24	0 16	22 7	0 21	18 5	0 14	13 42	1 52	19 58	15 27	9 13	9 6	28 20	14 48	6 22
W26	22 13	0 56	1 32	24 7	1 30	12 39	2 0	1 40	1 47	23 23	0 16	22 6	0 21	18 6	0 14	13 42	1 52	19 58	15 28	9 13	9 8	28 20	14 47	6 21
T 27	22 22	5s21	2 36	24 22	1 35	12 33	2 9	1 27	1 47	23 22	0 16	22 5	0 22	18 7	0 14	13 42	1 52	19 59	15 28	9 14	9 9	28 20	14 47	6 21
F 28	22 30	11 36	3 33	24 36	1 39	12 29	2 18	1 14	1 48	23 21	0 16	22 4	0 22	18 8	0 14	13 41	1 52	19 59	15 29	9 15	9 10	28 20	14 46	6 21
S 29	22 37	17 30	4 19	24 49	1 43	12 25	2 27	1 2	1 48	23 20	0 16	22 3	0 22	18 9	0 14	13 41	1 52	19 59	15 29	9 18	9 11	28 20	14 46	6 21
S 30	22s44	22s33	4s49	25s 0	1s47	12s23	2n35	0n49	1n49	23s19	0s16	22s 2	0s22	18s10	0n14	13n41	1s52	20n 0	15n30	9s21	9s12	28n20	14s45	6n20

Julian Day Number = 2168793.5, Delta T = 12m30s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'42, Lahiri = 13°03'42 Julian Calendar 1 Nov. 1225 == Greg. Calendar 8 Nov. 1225

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ASTRODIENST EPHEMERIS for the year 1225
geocentric

DECEMBER 1225 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 7 9	16♐20'47	5♐28	22♐18	10♏11	2♎38	11♑43	22♑26	22♏14	11°R49	15♍25	5°R48	6♓20	26♊39	26♑21	M 1
T 2	5 11 6	17°21'58	20°48	23°54	10°32	3°10	11°57	22°32	22°18	11♉48	15°25	5♓36	6°17	26°46	26°25	T 2
W 3	5 15 2	18°23'09	6♑ 7	25°29	10°55	3°42	12°10	22°39	22°21	11°46	15°26	5°26	6°14	26°52	26°29	W 3
T 4	5 18 59	19°24'21	21°15	27° 5	11°20	4°14	12°24	22°45	22°25	11°45	15°26	5°17	6°11	26°59	26°34	T 4
F 5	5 22 56	20°25'32	6♒ 2	28°41	11°47	4°46	12°37	22°51	22°28	11°44	15°26	5°12	6° 8	27° 6	26°38	F 5
S 6	5 26 52	21°26'44	20°23	0♑17	12°15	5°17	12°51	22°58	22°31	11°43	15°26	5° 9	6° 4	27°12	26°42	S 6
S 7	5 30 49	22°27'55	4♓15	1°54	12°45	5°49	13° 5	23° 4	22°35	11°41	15°27	5°D 8	6° 1	27°19	26°46	S 7
M 8	5 34 45	23°29'07	17°41	3°30	13°16	6°20	13°18	23°11	22°38	11°40	15°27	5°R 8	5°58	27°26	26°50	M 8
T 9	5 38 42	24°30'18	0♈42	5° 6	13°49	6°51	13°32	23°17	22°41	11°39	15°27	5° 8	5°55	27°33	26°55	T 9
W10	5 42 38	25°31'29	13°23	6°43	14°24	7°23	13°46	23°24	22°45	11°38	15°27	5° 7	5°52	27°39	26°59	W10
T 11	5 46 35	26°32'41	25°48	8°19	15° 0	7°54	14° 0	23°31	22°48	11°37	15°R27	5° 3	5°48	27°46	27° 3	T 11
F 12	5 50 32	27°33'52	8♉ 1	9°55	15°37	8°24	14°13	23°37	22°51	11°36	15°27	4°56	5°45	27°53	27° 8	F 12
S 13	5 54 28	28°35'03	20° 5	11°31	16°15	8°55	14°27	23°44	22°54	11°35	15°27	4°47	5°42	27°59	27°12	S 13
S 14	5 58 25	29°36'14	2♊ 3	13° 7	16°55	9°26	14°41	23°51	22°58	11°34	15°27	4°35	5°39	28° 6	27°17	S 14
M15	6 2 21	0♑37'25	13°58	14°42	17°36	9°56	14°55	23°57	23° 1	11°33	15°26	4°22	5°36	28°13	27°21	M15
T 16	6 6 18	1°38'36	25°50	16°17	18°18	10°27	15° 9	24° 4	23° 4	11°32	15°26	4°10	5°33	28°20	27°26	T 16
W17	6 10 14	2°39'46	7♋42	17°51	19° 1	10°57	15°23	24°11	23° 7	11°31	15°26	3°58	5°29	28°26	27°30	W17
T 18	6 14 11	3°40'57	19°35	19°24	19°46	11°27	15°37	24°18	23°10	11°30	15°26	3°47	5°26	28°33	27°35	T 18
F 19	6 18 7	4°42'08	1♌30	20°56	20°31	11°57	15°51	24°25	23°13	11°29	15°26	3°40	5°23	28°40	27°39	F 19
S 20	6 22 4	5°43'18	13°29	22°26	21°17	12°26	16° 5	24°32	23°16	11°28	15°25	3°35	5°20	28°46	27°44	S 20
S 21	6 26 1	6°44'28	25°35	23°54	22° 4	12°56	16°19	24°38	23°19	11°27	15°25	3°33	5°17	28°53	27°48	S 21
M22	6 29 57	7°45'39	7♍52	25°21	22°52	13°26	16°33	24°45	23°22	11°27	15°25	3°D32	5°14	29° 0	27°53	M22
T 23	6 33 54	8°46'49	20°22	26°44	23°41	13°55	16°47	24°52	23°25	11°26	15°24	3°33	5°10	29° 7	27°58	T 23
W24	6 37 50	9°47'59	3♎12	28° 5	24°31	14°24	17° 1	24°59	23°28	11°25	15°24	3°34	5° 7	29°13	28° 2	W24
T 25	6 41 47	10°49'09	16°24	29°22	25°22	14°53	17°15	25° 6	23°30	11°24	15°23	3°R34	5° 4	29°20	28° 7	T 25
F 26	6 45 43	11°50'19	0♏ 2	0♒34	26°13	15°22	17°29	25°13	23°33	11°24	15°23	3°33	5° 1	29°27	28°12	F 26
S 27	6 49 40	12°51'28	14° 7	1°42	27° 6	15°50	17°44	25°20	23°36	11°23	15°22	3°29	4°58	29°33	28°17	S 27
S 28	6 53 36	13°52'38	28°40	2°44	27°58	16°19	17°58	25°28	23°39	11°23	15°22	3°23	4°54	29°40	28°21	S 28
M29	6 57 33	14°53'47	13♐36	3°39	28°52	16°47	18°12	25°35	23°41	11°22	15°21	3°16	4°51	29°47	28°26	M29
T 30	7 1 30	15°54'56	28°47	4°26	29°46	17°15	18°26	25°42	23°44	11°21	15°21	3° 8	4°48	29°54	28°31	T 30
W31	7 5 26	16♑56'05	14♑ 3	5♒ 5	0♐41	17♎43	18♑40	25♑49	23♏47	11♉21	15♍20	3♓ 1	4♓45	0♋ 0	28♑36	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s50	26s14	5s 0	25s10	1s51	12s22	2n42	0n37	1n49	23s18	0s17	22s 1	0s22	18s10	0n14	13n40	1s52	20n 0	15n30	9s25	9s13	28n19	14s45	6n20
T 2	22 56	28 3	4 50	25 18	1 55	12 22	2 50	0 24	1 49	23 17	0 17	22 0	0 22	18 11	0 14	13 40	1 52	20 0	15 31	9 30	9 15	28 19	14 45	6 20
W 3	23 2	27 43	4 19	25 26	1 58	12 22	2 57	0 12	1 50	23 16	0 17	21 59	0 22	18 12	0 14	13 39	1 52	20 1	15 32	9 34	9 16	28 19	14 44	6 19
T 4	23 7	25 19	3 30	25 31	2 1	12 24	3 3	0s 0	1 50	23 14	0 17	21 58	0 22	18 13	0 14	13 39	1 52	20 1	15 32	9 37	9 17	28 19	14 44	6 19
F 5	23 12	21 13	2 28	25 35	2 3	12 26	3 9	0 12	1 51	23 13	0 17	21 57	0 22	18 14	0 14	13 39	1 52	20 2	15 33	9 39	9 18	28 19	14 43	6 19
S 6	23 16	15 59	1 17	25 38	2 5	12 29	3 15	0 25	1 51	23 12	0 17	21 56	0 22	18 15	0 14	13 38	1 52	20 2	15 33	9 40	9 19	28 19	14 43	6 19
S 7	23 20	10 4	0 5	25 39	2 7	12 33	3 20	0 37	1 51	23 11	0 17	21 55	0 22	18 16	0 14	13 38	1 52	20 2	15 34	9 40	9 21	28 19	14 42	6 18
M 8	23 23	3 53	1n 6	25 38	2 8	12 38	3 25	0 49	1 52	23 9	0 17	21 54	0 22	18 17	0 14	13 38	1 52	20 3	15 34	9 40	9 22	28 18	14 41	6 18
T 9	23 26	2n17	2 11	25 36	2 9	12 43	3 30	1 1	1 52	23 8	0 17	21 53	0 22	18 17	0 14	13 37	1 52	20 3	15 35	9 40	9 23	28 18	14 41	6 18
W10	23 28	8 11	3 8	25 32	2 10	12 49	3 34	1 13	1 53	23 7	0 17	21 52	0 22	18 18	0 14	13 37	1 52	20 4	15 35	9 41	9 24	28 18	14 40	6 18
T 11	23 30	13 39	3 55	25 27	2 10	12 56	3 38	1 25	1 53	23 5	0 17	21 51	0 22	18 19	0 14	13 37	1 52	20 4	15 36	9 42	9 25	28 18	14 40	6 17
F 12	23 31	18 29	4 30	25 20	2 10	13 3	3 41	1 37	1 54	23 4	0 17	21 50	0 22	18 20	0 14	13 37	1 52	20 5	15 37	9 45	9 26	28 18	14 39	6 17
S 13	23 32	22 32	4 52	25 11	2 9	13 11	3 45	1 48	1 54	23 3	0 18	21 49	0 22	18 21	0 14	13 36	1 51	20 5	15 37	9 48	9 28	28 17	14 38	6 17
S 14	23 32	25 35	5 2	25 0	2 7	13 19	3 48	2 0	1 54	23 1	0 18	21 48	0 22	18 22	0 14	13 36	1 51	20 6	15 38	9 52	9 29	28 17	14 38	6 17
M15	23 32	27 30	4 58	24 48	2 5	13 28	3 50	2 12	1 55	23 0	0 18	21 47	0 23	18 22	0 14	13 36	1 51	20 6	15 38	9 57	9 30	28 17	14 37	6 17
T 16	23 32	28 10	4 41	24 35	2 3	13 38	3 53	2 23	1 55	22 58	0 18	21 46	0 23	18 23	0 14	13 36	1 51	20 7	15 39	10 2	9 31	28 17	14 37	6 16
W17	23 31	27 31	4 12	24 19	2 0	13 47	3 55	2 35	1 56	22 57	0 18	21 44	0 23	18 24	0 14	13 35	1 51	20 8	15 39	10 6	9 32	28 16	14 36	6 16
T 18	23 29	25 36	3 32	24 2	1 56	13 57	3 57	2 46	1 56	22 55	0 18	21 43	0 23	18 25	0 14	13 35	1 51	20 8	15 40	10 10	9 33	28 16	14 35	6 16
F 19	23 27	22 33	2 42	23 44	1 51	14 8	3 58	2 57	1 56	22 54	0 18	21 42	0 23	18 25	0 14	13 35	1 51	20 9	15 40	10 12	9 35	28 16	14 34	6 16
S 20	23 25	18 32	1 45	23 24	1 46	14 18	3 59	3 9	1 57	22 52	0 18	21 41	0 23	18 26	0 14	13 35	1 51	20 9	15 41	10 14	9 36	28 16	14 34	6 16
S 21	23 22	13 43	0 43	23 3	1 39	14 29	4 0	3 20	1 57	22 50	0 18	21 40	0 23	18 27	0 14	13 34	1 51	20 10	15 41	10 15	9 37	28 15	14 33	6 16
M22	23 19	8 18	0s23	22 40	1 32	14 41	4 1	3 31	1 58	22 49	0 18	21 39	0 23	18 28	0 14	13 34	1 51	20 11	15 42	10 15	9 38	28 15	14 32	6 15
T 23	23 15	2 28	1 29	22 17	1 24	14 52	4 2	3 42	1 58	22 47	0 18	21 37	0 23	18 28	0 14	13 34	1 51	20 11	15 42	10 15	9 39	28 15	14 32	6 15
W24	23 11	3s36	2 32	21 52	1 15	15 4	4 2	3 53	1 59	22 46	0 18	21 36	0 23	18 29	0 14	13 34	1 51	20 12	15 43	10 14	9 40	28 14	14 31	6 15
T 25	23 6	9 41	3 29	21 26	1 6	15 16	4 3	4 4	1 59	22 44	0 19	21 35	0 23	18 30	0 14	13 34	1 51	20 12	15 43	10 14	9 42	28 14	14 30	6 15
F 26	23 1	15 31	4 16	21 0	0 55	15 28	4 3	4 14	1 59	22 42	0 19	21 34	0 23	18 31	0 14	13 34	1 51	20 13	15 44	10 15	9 43	28 14	14 29	6 15
S 27	22 55	20 45	4 50	20 34	0 43	15 40	4 2	4 25	2 0	22 40	0 19	21 33	0 23	18 31	0 14	13 33	1 51	20 14	15 44	10 16	9 44	28 13	14 28	6 15
S 28	22 49	24 55	5 6	20 7	0 30	15 52	4 2	4 36	2 0	22 39	0 19	21 31	0 23	18 32	0 14	13 33	1 51	20 14	15 45	10 19	9 45	28 13	14 28	6 15
M29	22 42	27 32	5 2	19 41	0 16	16 4	4 1	4 46	2 1	22 37	0 19	21 30	0 23	18 33	0 14	13 33	1 51	20 15	15 45	10 21	9 46	28 13	14 27	6 15
T 30	22 35	28 9	4 37	19 15	0 1	16 16	4 1	4 56	2 1	22 35	0 19	21 29	0 23	18 33	0 14	13 33	1 51	20 16	15 46	10 24	9 47	28 12	14 26	6 14
W31	22s28	26s39	3s52	18s50	0n15	16s28	4n 0	5s 7	2n 1	22s33	0s19	21s28	0s24	18s34	0n14	13n33	1s50	20n17	15n46	10s27	9s49	28n12	14s25	6n14

Julian Day Number = 2168823.5, Delta T = 12m30s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'46, Lahiri = 13°03'46 Julian Calendar 1 Dec. 1225 == Greg. Calendar 8 Dec. 1225

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

JANUARY 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 23	17♉57'13	29♉15	5♒35	1♐37	18♎11	18♉54	25♉56	23♏49	11°R20	15°R19	2°R55	4♓42	0♋ 7	28♉40	T 1
F 2	7 13 19	18°58'20	14♒10	5°55	2°33	18°38	19° 9	26° 3	23°52	11♉20	15♍19	2♓51	4°39	0°14	28°45	F 2
S 3	7 17 16	19°59'26	28°42	6°R 4	3°29	19° 5	19°23	26°10	23°54	11°20	15°18	2°D50	4°35	0°20	28°50	S 3
S 4	7 21 12	21° 0'31	12♓47	6° 2	4°26	19°32	19°37	26°17	23°57	11°19	15°17	2°50	4°32	0°27	28°55	S 4
M 5	7 25 9	22° 1'35	26°24	5°48	5°24	19°59	19°51	26°24	23°59	11°19	15°16	2°52	4°29	0°34	29° 0	M 5
T 6	7 29 6	23° 2'38	9♈33	5°22	6°22	20°26	20° 5	26°32	24° 1	11°19	15°16	2°53	4°26	0°41	29° 4	T 6
W 7	7 33 2	24° 3'40	22°19	4°46	7°20	20°52	20°19	26°39	24° 4	11°18	15°15	2°R54	4°23	0°47	29° 9	W 7
T 8	7 36 59	25° 4'40	4♉46	3°59	8°19	21°18	20°34	26°46	24° 6	11°18	15°14	2°53	4°20	0°54	29°14	T 8
F 9	7 40 55	26° 5'40	16°57	3° 3	9°19	21°44	20°48	26°53	24° 8	11°18	15°13	2°51	4°16	1° 1	29°19	F 9
S 10	7 44 52	27° 6'38	28°58	2° 0	10°19	22°10	21° 2	27° 0	24°10	11°18	15°12	2°47	4°13	1° 7	29°24	S 10
S 11	7 48 48	28° 7'35	10♊52	0°50	11°19	22°35	21°16	27° 7	24°12	11°18	15°11	2°42	4°10	1°14	29°29	S 11
M12	7 52 45	29° 8'31	22°43	29♉38	12°20	23° 0	21°30	27°15	24°14	11°17	15°10	2°36	4° 7	1°21	29°33	M12
T 13	7 56 41	0♒ 9'26	4♋35	28°23	13°21	23°25	21°44	27°22	24°16	11°17	15° 9	2°29	4° 4	1°28	29°38	T 13
W14	8 0 38	1°10'19	16°28	27° 9	14°22	23°50	21°58	27°29	24°18	11°D17	15° 8	2°23	4° 0	1°34	29°43	W14
T 15	8 4 35	2°11'11	28°25	25°58	15°24	24°14	22°12	27°36	24°20	11°17	15° 7	2°18	3°57	1°41	29°48	T 15
F 16	8 8 31	3°12'02	10♌28	24°51	16°26	24°39	22°26	27°43	24°22	11°17	15° 6	2°15	3°54	1°48	29°53	F 16
S 17	8 12 28	4°12'52	22°38	23°50	17°29	25° 2	22°40	27°50	24°24	11°18	15° 5	2°13	3°51	1°54	29°58	S 17
S 18	8 16 24	5°13'41	4♍56	22°56	18°32	25°26	22°55	27°57	24°26	11°18	15° 4	2°D13	3°48	2° 1	0♒ 2	S 18
M19	8 20 21	6°14'28	17°26	22°10	19°35	25°49	23° 9	28° 5	24°28	11°18	15° 3	2°14	3°45	2° 8	0° 7	M19
T 20	8 24 17	7°15'14	0♎ 8	21°32	20°38	26°12	23°23	28°12	24°29	11°18	15° 1	2°15	3°41	2°14	0°12	T 20
W21	8 28 14	8°16'00	13° 5	21° 2	21°42	26°35	23°36	28°19	24°31	11°18	15° 0	2°17	3°38	2°21	0°17	W21
T 22	8 32 10	9°16'44	26°19	20°40	22°46	26°58	23°50	28°26	24°33	11°18	14°59	2°18	3°35	2°28	0°22	T 22
F 23	8 36 7	10°17'27	9♏53	20°26	23°51	27°20	24° 4	28°33	24°34	11°19	14°58	2°R19	3°32	2°35	0°26	F 23
S 24	8 40 4	11°18'09	23°48	20°D20	24°55	27°41	24°18	28°40	24°36	11°19	14°56	2°18	3°29	2°41	0°31	S 24
S 25	8 44 0	12°18'50	8♐ 4	20°21	26° 0	28° 3	24°32	28°47	24°37	11°19	14°55	2°17	3°26	2°48	0°36	S 25
M26	8 47 57	13°19'30	22°38	20°30	27° 5	28°24	24°46	28°54	24°39	11°20	14°54	2°14	3°22	2°55	0°41	M26
T 27	8 51 53	14°20'08	7♑26	20°44	28°10	28°45	25° 0	29° 1	24°40	11°20	14°52	2°12	3°19	3° 1	0°46	T 27
W28	8 55 50	15°20'46	22°21	21° 5	29°16	29° 5	25°14	29° 8	24°41	11°21	14°51	2°10	3°16	3° 8	0°50	W28
T 29	8 59 46	16°21'22	7♒16	21°31	0♑22	29°25	25°27	29°15	24°43	11°21	14°50	2° 8	3°13	3°15	0°55	T 29
F 30	9 3 43	17°21'56	22° 1	22° 3	1°28	29°45	25°41	29°22	24°44	11°22	14°48	2° 7	3°10	3°22	1° 0	F 30
S 31	9 7 39	18♒22'28	6♓31	22♑39	2♑34	0♏ 4	25♑55	29♑29	24♏45	11♉22	14♍47	2°D 7	3♓ 6	3♋28	1♒ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s20	23s11	2s51	18s27	0n31	16s41	3n58	5s17	2n 2	22s31	0s19	21s26	0s24	18s35	0n14	13n33	1s50	20n17	15n47	10s29	9s50	28n11	14s24	6n14
F 2	22 12	18 14	1 39	18 5	0 49	16 53	3 57	5 27	2 2	22 29	0 19	21 25	0 24	18 35	0 14	13 33	1 50	20 18	15 47	10 30	9 51	28 11	14 23	6 14
S 3	22 3	12 19	0 22	17 46	1 7	17 5	3 56	5 37	2 3	22 27	0 19	21 24	0 24	18 36	0 14	13 33	1 50	20 19	15 48	10 30	9 52	28 11	14 23	6 14
S 4	21 54	5 58	0n54	17 28	1 25	17 17	3 54	5 47	2 3	22 25	0 20	21 22	0 24	18 36	0 14	13 33	1 50	20 19	15 48	10 30	9 53	28 10	14 22	6 14
M 5	21 44	0n28	2 4	17 14	1 43	17 29	3 52	5 57	2 3	22 23	0 20	21 21	0 24	18 37	0 14	13 33	1 50	20 20	15 49	10 30	9 54	28 10	14 21	6 14
T 6	21 34	6 39	3 6	17 3	2 1	17 41	3 51	6 6	2 4	22 21	0 20	21 20	0 24	18 38	0 14	13 33	1 50	20 21	15 49	10 29	9 56	28 9	14 20	6 14
W 7	21 23	12 23	3 56	16 54	2 19	17 52	3 48	6 16	2 4	22 19	0 20	21 19	0 24	18 38	0 14	13 33	1 50	20 22	15 50	10 29	9 57	28 9	14 19	6 14
T 8	21 13	17 28	4 34	16 49	2 36	18 4	3 46	6 25	2 5	22 17	0 20	21 17	0 24	18 39	0 14	13 33	1 50	20 22	15 50	10 29	9 58	28 9	14 18	6 14
F 9	21 1	21 44	4 59	16 47	2 51	18 15	3 44	6 34	2 5	22 15	0 20	21 16	0 24	18 39	0 14	13 33	1 50	20 23	15 51	10 30	9 59	28 8	14 17	6 14
S 10	20 50	25 3	5 10	16 48	3 5	18 26	3 42	6 44	2 5	22 13	0 20	21 15	0 24	18 40	0 14	13 33	1 50	20 24	15 51	10 31	10 0	28 8	14 16	6 14
S 11	20 37	27 15	5 8	16 52	3 16	18 37	3 39	6 53	2 6	22 11	0 20	21 13	0 24	18 40	0 14	13 33	1 50	20 25	15 52	10 33	10 1	28 7	14 15	6 14
M12	20 25	28 12	4 52	16 58	3 26	18 48	3 36	7 2	2 6	22 9	0 20	21 12	0 24	18 41	0 14	13 33	1 50	20 26	15 52	10 36	10 3	28 7	14 14	6 14
T 13	20 12	27 51	4 24	17 6	3 33	18 58	3 34	7 11	2 6	22 7	0 20	21 11	0 24	18 41	0 14	13 33	1 50	20 26	15 52	10 38	10 4	28 6	14 13	6 14
W14	19 59	26 14	3 44	17 16	3 37	19 8	3 31	7 19	2 7	22 5	0 21	21 9	0 25	18 42	0 14	13 33	1 50	20 27	15 53	10 40	10 5	28 6	14 12	6 14
T 15	19 45	23 25	2 54	17 27	3 39	19 18	3 28	7 28	2 7	22 3	0 21	21 8	0 25	18 42	0 14	13 33	1 49	20 28	15 53	10 42	10 6	28 5	14 11	6 14
F 16	19 31	19 33	1 56	17 39	3 39	19 27	3 25	7 37	2 8	22 0	0 21	21 7	0 25	18 43	0 14	13 33	1 49	20 29	15 54	10 43	10 7	28 5	14 10	6 14
S 17	19 17	14 51	0 52	17 52	3 37	19 36	3 22	7 45	2 8	21 58	0 21	21 5	0 25	18 43	0 14	13 33	1 49	20 30	15 54	10 44	10 8	28 4	14 9	6 14
S 18	19 3	9 30	0s15	18 5	3 32	19 45	3 18	7 53	2 8	21 56	0 21	21 4	0 25	18 44	0 14	13 33	1 49	20 30	15 54	10 44	10 10	28 4	14 8	6 14
M19	18 48	3 43	1 23	18 19	3 26	19 54	3 15	8 1	2 9	21 54	0 21	21 3	0 25	18 44	0 14	13 33	1 49	20 31	15 55	10 44	10 11	28 3	14 7	6 14
T 20	18 32	2s18	2 28	18 32	3 19	20 2	3 12	8 9	2 9	21 51	0 21	21 1	0 25	18 44	0 14	13 33	1 49	20 32	15 55	10 43	10 12	28 3	14 6	6 14
W21	18 17	8 21	3 26	18 46	3 10	20 9	3 8	8 17	2 9	21 49	0 21	21 0	0 25	18 45	0 14	13 33	1 49	20 33	15 56	10 42	10 13	28 2	14 5	6 14
T 22	18 1	14 10	4 15	18 59	3 0	20 16	3 4	8 25	2 10	21 47	0 21	20 58	0 25	18 45	0 14	13 34	1 49	20 34	15 56	10 42	10 14	28 2	14 4	6 14
F 23	17 44	19 27	4 51	19 11	2 50	20 23	3 1	8 33	2 10	21 44	0 22	20 57	0 25	18 46	0 14	13 34	1 49	20 34	15 56	10 42	10 15	28 1	14 3	6 14
S 24	17 28	23 50	5 12	19 23	2 38	20 30	2 57	8 40	2 10	21 42	0 22	20 56	0 25	18 46	0 14	13 34	1 49	20 35	15 57	10 42	10 16	28 0	14 2	6 14
S 25	17 11	26 54	5 14	19 34	2 27	20 36	2 53	8 48	2 11	21 40	0 22	20 54	0 25	18 46	0 14	13 34	1 49	20 36	15 57	10 42	10 18	28 0	14 1	6 14
M26	16 54	28 15	4 56	19 45	2 15	20 41	2 49	8 55	2 11	21 37	0 22	20 53	0 25	18 47	0 14	13 34	1 49	20 37	15 57	10 43	10 19	27 59	14 0	6 14
T 27	16 36	27 37	4 18	19 54	2 3	20 46	2 46	9 2	2 11	21 35	0 22	20 52	0 26	18 47	0 14	13 34	1 49	20 38	15 58	10 44	10 20	27 59	13 59	6 14
W28	16 18	25 0	3 22	20 3	1 51	20 51	2 42	9 9	2 12	21 33	0 22	20 50	0 26	18 47	0 14	13 35	1 49	20 39	15 58	10 45	10 21	27 58	13 58	6 14
T 29	16 0	20 41	2 13	20 11	1 39	20 55	2 38	9 16	2 12	21 30	0 22	20 49	0 26	18 48	0 14	13 35	1 49	20 39	15 58	10 46	10 22	27 57	13 57	6 14
F 30	15 42	15 6	0 56	20 18	1 27	20 58	2 34	9 22	2 12	21 28	0 22	20 47	0 26	18 48	0 14	13 35	1 49	20 40	15 59	10 46	10 23	27 57	13 56	6 15
S 31	15s23	8s47	0n24	20s24	1n15	21s 2	2n29	9s29	2n12	21s25	0s22	20s46	0s26	18s48	0n14	13n35	1s48	20n41	15n59	10s46	10s25	27n56	13s54	6n15

Julian Day Number = 2168854.5, Delta T = 12m30s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'50, Lahiri = 13°03'51 Julian Calendar 1 Jan. 1226 == Greg. Calendar 8 Jan. 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

FEBRUARY 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 36	19♒22'59	20♓38	23♉19	3♉40	0♏23	26♉ 8	29♉36	24♏46	11♉23	14°R46	2♓ 7	3♓ 3	3♋35	1♒ 9	S 1
M 2	9 15 33	20°23'28	4♈21	24° 4	4°47	0°42	26°22	29°43	24°47	11°23	14♍44	2° 8	3° 0	3°42	1°14	M 2
T 3	9 19 29	21°23'55	17°38	24°52	5°53	1° 0	26°35	29°50	24°48	11°24	14°43	2° 9	2°57	3°48	1°18	T 3
W 4	9 23 26	22°24'21	0♉31	25°44	7° 0	1°17	26°49	29°56	24°49	11°25	14°41	2°10	2°54	3°55	1°23	W 4
T 5	9 27 22	23°24'44	13° 4	26°39	8° 7	1°34	27° 2	0♒ 3	24°50	11°26	14°40	2°11	2°51	4° 2	1°27	T 5
F 6	9 31 19	24°25'05	25°19	27°36	9°14	1°51	27°16	0°10	24°51	11°26	14°38	2°R11	2°47	4° 8	1°32	F 6
S 7	9 35 15	25°25'24	7♊21	28°37	10°22	2° 8	27°29	0°17	24°51	11°27	14°37	2°11	2°44	4°15	1°36	S 7
S 8	9 39 12	26°25'42	19°15	29°40	11°29	2°24	27°43	0°23	24°52	11°28	14°35	2°10	2°41	4°22	1°41	S 8
M 9	9 43 8	27°25'57	1♋ 6	0♒45	12°37	2°39	27°56	0°30	24°53	11°29	14°34	2°10	2°38	4°29	1°45	M 9
T 10	9 47 5	28°26'10	12°58	1°53	13°45	2°54	28° 9	0°37	24°53	11°30	14°32	2° 9	2°35	4°35	1°50	T 10
W11	9 51 2	29°26'21	24°53	3° 3	14°53	3° 9	28°22	0°43	24°54	11°31	14°31	2° 9	2°32	4°42	1°54	W11
T 12	9 54 58	0♓26'31	6♌56	4°14	16° 1	3°23	28°35	0°50	24°54	11°32	14°29	2° 8	2°28	4°49	1°59	T 12
F 13	9 58 55	1°26'38	19° 8	5°28	17° 9	3°36	28°48	0°56	24°55	11°33	14°28	2° 8	2°25	4°55	2° 3	F 13
S 14	10 2 51	2°26'43	1♍32	6°43	18°17	3°49	29° 1	1° 3	24°55	11°34	14°26	2° 8	2°22	5° 2	2° 7	S 14
S 15	10 6 48	3°26'46	14° 8	8° 0	19°26	4° 2	29°14	1° 9	24°56	11°35	14°24	2° 8	2°19	5° 9	2°12	S 15
M16	10 10 44	4°26'47	26°58	9°19	20°34	4°14	29°27	1°16	24°56	11°36	14°23	2° 8	2°16	5°15	2°16	M16
T 17	10 14 41	5°26'47	10♎ 0	10°39	21°43	4°25	29°40	1°22	24°56	11°37	14°21	2° 8	2°12	5°22	2°20	T 17
W18	10 18 37	6°26'45	23°17	12° 1	22°52	4°36	29°53	1°28	24°56	11°38	14°20	2° 7	2° 9	5°29	2°24	W18
T 19	10 22 34	7°26'41	6♏47	13°24	24° 1	4°46	0♒ 6	1°35	24°56	11°39	14°18	2° 7	2° 6	5°36	2°29	T 19
F 20	10 26 31	8°26'35	20°30	14°49	25°10	4°56	0°18	1°41	24°57	11°40	14°16	2° 6	2° 3	5°42	2°33	F 20
S 21	10 30 27	9°26'28	4♐25	16°15	26°19	5° 5	0°31	1°47	24°R57	11°42	14°15	2°D 6	2° 0	5°49	2°37	S 21
S 22	10 34 24	10°26'19	18°32	17°42	27°28	5°14	0°43	1°53	24°57	11°43	14°13	2° 6	1°57	5°56	2°41	S 22
M23	10 38 20	11°26'09	2♑49	19°11	28°38	5°22	0°56	1°59	24°56	11°44	14°11	2° 7	1°53	6° 2	2°45	M23
T 24	10 42 17	12°25'56	17°12	20°41	29°47	5°29	1° 8	2° 5	24°56	11°45	14°10	2° 7	1°50	6° 9	2°49	T 24
W25	10 46 13	13°25'42	1♒40	22°12	0♒57	5°36	1°21	2°11	24°56	11°47	14° 8	2° 8	1°47	6°16	2°53	W25
T 26	10 50 10	14°25'27	16° 6	23°45	2° 6	5°42	1°33	2°17	24°56	11°48	14° 7	2° 9	1°44	6°22	2°57	T 26
F 27	10 54 6	15°25'09	0♓28	25°19	3°16	5°47	1°45	2°23	24°56	11°50	14° 5	2°R 9	1°41	6°29	3° 1	F 27
S 28	10 58 3	16♓24'49	14♓38	26♒54	4♒26	5♏52	1♒57	2♒29	24♏55	11♉51	14♍ 3	2♓ 9	1♓38	6♋36	3♒ 5	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 4	2s11	1n41	20s28	1n 4	21s 4	2n25	9s35	2n13	21s23	0s23	20s45	0s26	18s48	0n14	13n36	1s48	20n42	15n59	10s46	10s26	27n56	13s53	6n15
M 2	14 45	4n19	2 49	20 32	0 52	21 6	2 21	9 41	2 13	21 20	0 23	20 43	0 26	18 49	0 14	13 36	1 48	20 43	15 59	10 45	10 27	27 55	13 52	6 15
T 3	14 26	10 26	3 46	20 35	0 41	21 8	2 17	9 47	2 13	21 18	0 23	20 42	0 26	18 49	0 14	13 36	1 48	20 43	16 0	10 45	10 28	27 54	13 51	6 15
W 4	14 6	15 55	4 30	20 36	0 30	21 9	2 13	9 53	2 13	21 15	0 23	20 41	0 26	18 49	0 15	13 36	1 48	20 44	16 0	10 45	10 29	27 54	13 50	6 15
T 5	13 46	20 35	5 0	20 36	0 19	21 9	2 9	9 59	2 14	21 13	0 23	20 39	0 26	18 49	0 15	13 37	1 48	20 45	16 0	10 45	10 30	27 53	13 49	6 15
F 6	13 26	24 15	5 15	20 35	0 9	21 9	2 4	10 5	2 14	21 10	0 23	20 38	0 26	18 50	0 15	13 37	1 48	20 46	16 1	10 45	10 31	27 52	13 48	6 15
S 7	13 6	26 49	5 16	20 33	0s 1	21 9	2 0	10 10	2 14	21 8	0 23	20 37	0 27	18 50	0 15	13 37	1 48	20 47	16 1	10 45	10 33	27 52	13 47	6 16
S 8	12 46	28 8	5 3	20 29	0 11	21 7	1 56	10 15	2 14	21 5	0 23	20 35	0 27	18 50	0 15	13 38	1 48	20 48	16 1	10 45	10 34	27 51	13 46	6 16
M 9	12 25	28 10	4 38	20 24	0 20	21 6	1 51	10 20	2 14	21 3	0 24	20 34	0 27	18 50	0 15	13 38	1 48	20 48	16 1	10 45	10 35	27 50	13 44	6 16
T 10	12 4	26 54	4 0	20 18	0 29	21 3	1 47	10 25	2 15	21 0	0 24	20 33	0 27	18 50	0 15	13 38	1 48	20 49	16 1	10 45	10 36	27 50	13 43	6 16
W11	11 43	24 24	3 12	20 11	0 38	21 1	1 43	10 30	2 15	20 58	0 24	20 31	0 27	18 50	0 15	13 39	1 48	20 50	16 2	10 45	10 37	27 49	13 42	6 16
T 12	11 22	20 48	2 15	20 2	0 47	20 57	1 38	10 35	2 15	20 55	0 24	20 30	0 27	18 50	0 15	13 39	1 48	20 51	16 2	10 45	10 38	27 48	13 41	6 17
F 13	11 0	16 17	1 12	19 52	0 55	20 53	1 34	10 39	2 15	20 53	0 24	20 28	0 27	18 51	0 15	13 39	1 48	20 51	16 2	10 45	10 39	27 47	13 40	6 17
S 14	10 39	11 2	0 3	19 41	1 2	20 49	1 29	10 44	2 15	20 50	0 24	20 27	0 27	18 51	0 15	13 40	1 48	20 52	16 2	10 45	10 41	27 47	13 39	6 17
S 15	10 17	5 15	1s 6	19 28	1 10	20 43	1 25	10 48	2 15	20 48	0 24	20 26	0 27	18 51	0 15	13 40	1 48	20 53	16 2	10 45	10 42	27 46	13 38	6 17
M16	9 55	0s49	2 13	19 14	1 17	20 38	1 21	10 52	2 15	20 45	0 24	20 25	0 27	18 51	0 15	13 40	1 47	20 54	16 2	10 46	10 43	27 45	13 37	6 17
T 17	9 33	6 58	3 15	18 59	1 23	20 31	1 16	10 55	2 15	20 43	0 25	20 23	0 27	18 51	0 15	13 41	1 47	20 55	16 3	10 46	10 44	27 44	13 35	6 18
W18	9 11	12 54	4 7	18 42	1 30	20 25	1 12	10 59	2 15	20 40	0 25	20 22	0 28	18 51	0 15	13 41	1 47	20 55	16 3	10 46	10 45	27 44	13 34	6 18
T 19	8 49	18 20	4 47	18 24	1 36	20 17	1 8	11 2	2 15	20 37	0 25	20 21	0 28	18 51	0 15	13 42	1 47	20 56	16 3	10 46	10 46	27 43	13 33	6 18
F 20	8 26	22 56	5 10	18 4	1 41	20 9	1 3	11 6	2 15	20 35	0 25	20 19	0 28	18 51	0 15	13 42	1 47	20 57	16 3	10 46	10 47	27 42	13 32	6 18
S 21	8 4	26 18	5 17	17 43	1 46	20 1	0 59	11 9	2 15	20 32	0 25	20 18	0 28	18 51	0 15	13 42	1 47	20 58	16 3	10 46	10 49	27 41	13 31	6 18
S 22	7 41	28 6	5 4	17 21	1 51	19 52	0 55	11 12	2 15	20 30	0 25	20 17	0 28	18 51	0 15	13 43	1 47	20 58	16 3	10 46	10 50	27 40	13 30	6 19
M23	7 18	28 3	4 33	16 57	1 55	19 42	0 51	11 14	2 15	20 27	0 25	20 15	0 28	18 51	0 15	13 43	1 47	20 59	16 3	10 46	10 51	27 40	13 29	6 19
T 24	6 55	26 8	3 44	16 32	1 59	19 32	0 46	11 17	2 15	20 24	0 26	20 14	0 28	18 51	0 15	13 44	1 47	21 0	16 3	10 46	10 52	27 39	13 27	6 19
W25	6 32	22 29	2 41	16 6	2 3	19 21	0 42	11 19	2 15	20 22	0 26	20 13	0 28	18 51	0 15	13 44	1 47	21 0	16 3	10 46	10 53	27 38	13 26	6 19
T 26	6 9	17 28	1 28	15 38	2 6	19 10	0 38	11 21	2 15	20 19	0 26	20 12	0 28	18 51	0 15	13 45	1 47	21 1	16 3	10 45	10 54	27 37	13 25	6 20
F 27	5 46	11 30	0 9	15 9	2 8	18 58	0 34	11 23	2 15	20 17	0 26	20 10	0 28	18 51	0 15	13 45	1 47	21 2	16 4	10 45	10 55	27 36	13 24	6 20
S 28	5s23	5s 1	1n 8	14s39	2s11	18s45	0n30	11s25	2n15	20s14	0s26	20s 9	0s29	18s51	0n15	13n46	1s47	21n 3	16n 4	10s45	10s57	27n35	13s23	6n20

Julian Day Number = 2168885.5, Delta T = 12m30s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'54, Lahiri = 13°03'55 Julian Calendar 1 Feb. 1226 == Greg. Calendar 8 Feb. 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

MARCH 1226 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 0	17♓24'27	28♓33	28♒30	5♒36	5♏56	2♒ 9	2♒35	24°R55	11♉52	14°R 2	2°R 8	1♓34	6♋43	3♒ 8	S 1
M 2	11 5 56	18°24'03	12♈10	0♓ 8	6°46	5°59	2°21	2°41	24♏54	11°54	14♍ 0	2♓ 6	1°31	6°49	3°12	M 2
T 3	11 9 53	19°23'37	25°26	1°47	7°56	6° 2	2°33	2°46	24°54	11°55	13°58	2° 4	1°28	6°56	3°16	T 3
W 4	11 13 49	20°23'08	8♉21	3°27	9° 6	6° 4	2°45	2°52	24°53	11°57	13°57	2° 1	1°25	7° 3	3°20	W 4
T 5	11 17 46	21°22'37	20°56	5° 9	10°16	6° 5	2°56	2°57	24°53	11°59	13°55	1°59	1°22	7° 9	3°23	T 5
F 6	11 21 42	22°22'04	3♊14	6°51	11°26	6°R 5	3° 8	3° 3	24°52	12° 0	13°54	1°57	1°18	7°16	3°27	F 6
S 7	11 25 39	23°21'29	15°19	8°35	12°37	6° 5	3°19	3° 8	24°51	12° 2	13°52	1°55	1°15	7°23	3°30	S 7
S 8	11 29 35	24°20'52	27°14	10°21	13°47	6° 4	3°31	3°14	24°50	12° 3	13°50	1°D55	1°12	7°29	3°34	S 8
M 9	11 33 32	25°20'12	9♋ 6	12° 8	14°57	6° 2	3°42	3°19	24°50	12° 5	13°49	1°56	1° 9	7°36	3°37	M 9
T 10	11 37 28	26°19'29	20°58	13°56	16° 8	6° 0	3°53	3°24	24°49	12° 7	13°47	1°57	1° 6	7°43	3°41	T 10
W11	11 41 25	27°18'45	2♌55	15°45	17°18	5°56	4° 5	3°29	24°48	12° 8	13°46	1°59	1° 3	7°50	3°44	W11
T 12	11 45 22	28°17'58	15° 1	17°36	18°29	5°52	4°16	3°35	24°47	12°10	13°44	2° 1	0°59	7°56	3°47	T 12
F 13	11 49 18	29°17'08	27°21	19°28	19°40	5°48	4°27	3°40	24°46	12°12	13°43	2°R 2	0°56	8° 3	3°50	F 13
S 14	11 53 15	0♈16'17	9♍57	21°21	20°50	5°42	4°38	3°45	24°45	12°14	13°41	2° 1	0°53	8°10	3°54	S 14
S 15	11 57 11	1°15'23	22°51	23°16	22° 1	5°36	4°48	3°50	24°44	12°15	13°39	2° 0	0°50	8°16	3°57	S 15
M16	12 1 8	2°14'27	6♎ 2	25°13	23°12	5°29	4°59	3°54	24°43	12°17	13°38	1°57	0°47	8°23	4° 0	M16
T 17	12 5 4	3°13'29	19°31	27°10	24°23	5°21	5°10	3°59	24°41	12°19	13°36	1°53	0°43	8°30	4° 3	T 17
W18	12 9 1	4°12'29	3♏14	29° 9	25°34	5°12	5°20	4° 4	24°40	12°21	13°35	1°48	0°40	8°36	4° 6	W18
T 19	12 12 57	5°11'27	17° 9	1♈ 9	26°45	5° 3	5°30	4° 9	24°39	12°23	13°33	1°42	0°37	8°43	4° 9	T 19
F 20	12 16 54	6°10'24	1♐13	3°11	27°56	4°53	5°41	4°13	24°38	12°25	13°32	1°38	0°34	8°50	4°12	F 20
S 21	12 20 51	7° 9'18	15°22	5°13	29° 7	4°42	5°51	4°18	24°36	12°26	13°30	1°35	0°31	8°56	4°14	S 21
S 22	12 24 47	8° 8'11	29°33	7°17	0♓18	4°30	6° 1	4°22	24°35	12°28	13°29	1°33	0°28	9° 3	4°17	S 22
M23	12 28 44	9° 7'02	13♑44	9°21	1°29	4°18	6°11	4°26	24°33	12°30	13°28	1°D33	0°24	9°10	4°20	M23
T 24	12 32 40	10° 5'52	27°52	11°26	2°40	4° 5	6°21	4°31	24°32	12°32	13°26	1°34	0°21	9°17	4°23	T 24
W25	12 36 37	11° 4'39	11♒58	13°32	3°52	3°51	6°30	4°35	24°30	12°34	13°25	1°35	0°18	9°23	4°25	W25
T 26	12 40 33	12° 3'25	25°58	15°38	5° 3	3°37	6°40	4°39	24°29	12°36	13°23	1°R36	0°15	9°30	4°28	T 26
F 27	12 44 30	13° 2'09	9♓51	17°45	6°14	3°21	6°49	4°43	24°27	12°38	13°22	1°36	0°12	9°37	4°30	F 27
S 28	12 48 26	14° 0'51	23°35	19°51	7°25	3° 6	6°59	4°47	24°25	12°40	13°21	1°34	0° 9	9°43	4°33	S 28
S 29	12 52 23	14°59'31	7♈ 8	21°57	8°37	2°49	7° 8	4°51	24°24	12°42	13°19	1°30	0° 5	9°50	4°35	S 29
M30	12 56 20	15°58'10	20°27	24° 3	9°48	2°32	7°17	4°55	24°22	12°44	13°18	1°24	0° 2	9°57	4°37	M30
T 31	13 0 16	16♈56'46	3♉31	26♈ 7	11♓ 0	2♏14	7♒26	4♒58	24♏20	12♉46	13♍17	1♓16	29♒59	10♋ 3	4♒39	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 0	1n34	2n21	14s 7	2s13	18s32	0n26	11s27	2n14	20s12	0s26	20s 8	0s29	18s50	0n15	13n46	1s47	21n 3	16n 4	10s46	10s58	27n35	13s22	6n21
M 2	4 36	7 57	3 23	13 34	2 14	18 19	0 22	11 28	2 14	20 9	0 26	20 7	0 29	18 50	0 15	13 47	1 47	21 4	16 4	10 46	10 59	27 34	13 21	6 21
T 3	4 13	13 48	4 13	12 59	2 15	18 5	0 18	11 29	2 14	20 6	0 27	20 6	0 29	18 50	0 15	13 47	1 47	21 4	16 4	10 47	11 0	27 33	13 20	6 21
W 4	3 49	18 54	4 49	12 23	2 15	17 50	0 14	11 30	2 14	20 4	0 27	20 4	0 29	18 50	0 15	13 48	1 47	21 5	16 4	10 48	11 1	27 32	13 18	6 21
T 5	3 26	23 2	5 9	11 46	2 15	17 35	0 10	11 31	2 13	20 1	0 27	20 3	0 29	18 50	0 15	13 48	1 47	21 6	16 4	10 49	11 2	27 31	13 17	6 22
F 6	3 2	26 2	5 15	11 7	2 15	17 20	0 6	11 31	2 13	19 59	0 27	20 2	0 29	18 50	0 15	13 49	1 46	21 6	16 4	10 50	11 3	27 30	13 16	6 22
S 7	2 39	27 48	5 7	10 27	2 14	17 4	0 2	11 31	2 12	19 56	0 27	20 1	0 29	18 50	0 15	13 49	1 46	21 7	16 4	10 50	11 4	27 29	13 15	6 22
S 8	2 15	28 16	4 45	9 46	2 13	16 47	0s 2	11 32	2 12	19 54	0 27	20 0	0 29	18 49	0 15	13 50	1 46	21 8	16 4	10 50	11 6	27 28	13 14	6 23
M 9	1 52	27 24	4 11	9 3	2 11	16 30	0 6	11 32	2 11	19 51	0 28	19 59	0 30	18 49	0 15	13 50	1 46	21 8	16 4	10 50	11 7	27 27	13 13	6 23
T 10	1 28	25 18	3 27	8 19	2 8	16 13	0 9	11 31	2 11	19 49	0 28	19 57	0 30	18 49	0 15	13 51	1 46	21 9	16 3	10 49	11 8	27 27	13 12	6 23
W11	1 4	22 5	2 33	7 34	2 6	15 55	0 13	11 31	2 10	19 46	0 28	19 56	0 30	18 49	0 15	13 52	1 46	21 9	16 3	10 49	11 9	27 26	13 11	6 24
T 12	0 41	17 52	1 32	6 48	2 2	15 37	0 16	11 30	2 9	19 44	0 28	19 55	0 30	18 49	0 15	13 52	1 46	21 10	16 3	10 48	11 10	27 25	13 10	6 24
F 13	0 17	12 51	0 26	6 0	1 58	15 18	0 20	11 29	2 9	19 41	0 28	19 54	0 30	18 48	0 15	13 53	1 46	21 10	16 3	10 48	11 11	27 24	13 9	6 24
S 14	0n 7	7 12	0s43	5 11	1 54	14 59	0 23	11 28	2 8	19 39	0 28	19 53	0 30	18 48	0 15	13 53	1 46	21 11	16 3	10 48	11 12	27 23	13 8	6 25
S 15	0 30	1 9	1 52	4 21	1 49	14 39	0 27	11 27	2 7	19 36	0 29	19 52	0 30	18 48	0 15	13 54	1 46	21 11	16 3	10 49	11 14	27 22	13 7	6 25
M16	0 54	5s 5	2 55	3 30	1 44	14 19	0 30	11 25	2 6	19 34	0 29	19 51	0 30	18 47	0 15	13 54	1 46	21 12	16 3	10 50	11 15	27 21	13 5	6 25
T 17	1 17	11 13	3 51	2 37	1 38	13 59	0 33	11 23	2 5	19 32	0 29	19 50	0 30	18 47	0 15	13 55	1 46	21 12	16 3	10 51	11 16	27 20	13 4	6 26
W18	1 41	16 56	4 34	1 44	1 31	13 38	0 37	11 21	2 5	19 29	0 29	19 49	0 31	18 47	0 15	13 56	1 46	21 13	16 3	10 53	11 17	27 19	13 3	6 26
T 19	2 4	21 50	5 1	0 49	1 24	13 16	0 40	11 19	2 4	19 27	0 29	19 48	0 31	18 47	0 15	13 56	1 46	21 13	16 3	10 55	11 18	27 18	13 2	6 26
F 20	2 28	25 34	5 11	0n 6	1 16	12 55	0 43	11 17	2 2	19 24	0 29	19 47	0 31	18 46	0 15	13 57	1 46	21 14	16 2	10 56	11 19	27 17	13 1	6 27
S 21	2 51	27 45	5 2	1 2	1 8	12 33	0 46	11 14	2 1	19 22	0 30	19 46	0 31	18 46	0 15	13 57	1 46	21 14	16 2	10 58	11 20	27 16	13 0	6 27
S 22	3 14	28 8	4 35	1 59	1 0	12 11	0 49	11 12	2 0	19 20	0 30	19 45	0 31	18 46	0 15	13 58	1 46	21 15	16 2	10 58	11 21	27 15	12 59	6 28
M23	3 38	26 40	3 51	2 56	0 51	11 48	0 52	11 9	1 59	19 17	0 30	19 44	0 31	18 45	0 15	13 59	1 46	21 15	16 2	10 58	11 23	27 14	12 58	6 28
T 24	4 1	23 30	2 53	3 54	0 42	11 25	0 54	11 5	1 58	19 15	0 30	19 43	0 31	18 45	0 15	13 59	1 46	21 16	16 2	10 58	11 24	27 13	12 57	6 28
W25	4 24	18 57	1 45	4 53	0 32	11 1	0 57	11 2	1 56	19 13	0 30	19 42	0 31	18 44	0 15	14 0	1 46	21 16	16 2	10 57	11 25	27 12	12 56	6 29
T 26	4 47	13 24	0 31	5 51	0 22	10 38	1 0	10 58	1 55	19 11	0 30	19 42	0 32	18 44	0 15	14 1	1 46	21 16	16 1	10 57	11 26	27 11	12 55	6 29
F 27	5 10	7 13	0n45	6 49	0 11	10 14	1 2	10 55	1 53	19 8	0 31	19 41	0 32	18 44	0 15	14 1	1 46	21 17	16 1	10 57	11 27	27 10	12 54	6 30
S 28	5 33	0 47	1 56	7 47	0 0	9 49	1 5	10 51	1 52	19 6	0 31	19 40	0 32	18 43	0 15	14 2	1 46	21 17	16 1	10 58	11 28	27 9	12 54	6 30
S 29	5 56	5n36	3 0	8 45	0n10	9 25	1 7	10 47	1 50	19 4	0 31	19 39	0 32	18 43	0 15	14 2	1 46	21 17	16 1	10 59	11 29	27 8	12 53	6 30
M30	6 19	11 37	3 53	9 42	0 21	9 0	1 10	10 42	1 49	19 2	0 31	19 38	0 32	18 42	0 15	14 3	1 46	21 18	16 1	11 1	11 30	27 6	12 52	6 31
T 31	6n41	17n 0	4n32	10n38	0n32	8s35	1s12	10s38	1n47	19s 0	0s31	19s37	0s32	18s42	0n15	14n 4	1s46	21n18	16n 0	11s 4	11s32	27n 5	12s51	6n31

Julian Day Number = 2168913.5, Delta T = 12m29s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°56'58, Lahiri = 13°03'59 Julian Calendar 1 March 1226 == Greg. Calendar 8 March 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

APRIL 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 4 13	17♈55'20	16♉18	28♈10	12♓11	1°R56	7♒35	5♒ 2	24°R18	12♉48	13°R15	1°R 8	29♒56	10♋10	4♒42	W 1
T 2	13 8 9	18°53'53	28°50	0♉12	13°23	1♏37	7°44	5° 6	24♏17	12°51	13♍14	0♓59	29°53	10°17	4°44	T 2
F 3	13 12 6	19°52'23	11♊ 6	2°11	14°34	1°18	7°52	5° 9	24°15	12°53	13°13	0°52	29°49	10°23	4°46	F 3
S 4	13 16 2	20°50'51	23°11	4° 9	15°46	0°58	8° 1	5°12	24°13	12°55	13°12	0°46	29°46	10°30	4°48	S 4
S 5	13 19 59	21°49'17	5♋ 6	6° 4	16°58	0°38	8° 9	5°16	24°11	12°57	13°10	0°43	29°43	10°37	4°50	S 5
M 6	13 23 55	22°47'41	16°57	7°56	18° 9	0°18	8°17	5°19	24° 9	12°59	13° 9	0°41	29°40	10°44	4°52	M 6
T 7	13 27 52	23°46'02	28°48	9°45	19°21	29♎57	8°25	5°22	24° 7	13° 1	13° 8	0°D41	29°37	10°50	4°53	T 7
W 8	13 31 49	24°44'22	10♌45	11°30	20°33	29°36	8°33	5°25	24° 5	13° 3	13° 7	0°42	29°34	10°57	4°55	W 8
T 9	13 35 45	25°42'39	22°53	13°12	21°44	29°14	8°41	5°28	24° 3	13° 5	13° 6	0°43	29°30	11° 4	4°57	T 9
F 10	13 39 42	26°40'54	5♍16	14°51	22°56	28°52	8°49	5°31	24° 1	13° 8	13° 5	0°R43	29°27	11°10	4°58	F 10
S 11	13 43 38	27°39'07	17°59	16°25	24° 8	28°31	8°56	5°34	23°59	13°10	13° 4	0°41	29°24	11°17	5° 0	S 11
S 12	13 47 35	28°37'18	1♎ 4	17°56	25°20	28° 9	9° 4	5°36	23°56	13°12	13° 3	0°38	29°21	11°24	5° 1	S 12
M13	13 51 31	29°35'28	14°33	19°22	26°31	27°47	9°11	5°39	23°54	13°14	13° 2	0°32	29°18	11°30	5° 3	M13
T 14	13 55 28	0♉33'35	28°23	20°45	27°43	27°24	9°18	5°42	23°52	13°16	13° 1	0°24	29°14	11°37	5° 4	T 14
W15	13 59 24	1°31'41	12♏33	22° 3	28°55	27° 2	9°25	5°44	23°50	13°19	13° 0	0°14	29°11	11°44	5° 5	W15
T 16	14 3 21	2°29'45	26°56	23°16	0♈ 7	26°40	9°32	5°46	23°48	13°21	12°59	0° 5	29° 8	11°50	5° 7	T 16
F 17	14 7 18	3°27'47	11♐27	24°26	1°19	26°18	9°38	5°49	23°45	13°23	12°58	29♒56	29° 5	11°57	5° 8	F 17
S 18	14 11 14	4°25'49	25°58	25°30	2°31	25°56	9°45	5°51	23°43	13°25	12°57	29°49	29° 2	12° 4	5° 9	S 18
S 19	14 15 11	5°23'48	10♑25	26°31	3°43	25°35	9°51	5°53	23°41	13°28	12°56	29°44	28°59	12°10	5°10	S 19
M20	14 19 7	6°21'47	24°42	27°26	4°55	25°13	9°57	5°55	23°38	13°30	12°55	29°42	28°55	12°17	5°11	M20
T 21	14 23 4	7°19'44	8♒49	28°17	6° 7	24°52	10° 3	5°57	23°36	13°32	12°55	29°D41	28°52	12°24	5°12	T 21
W22	14 27 0	8°17'39	22°44	29° 3	7°19	24°31	10° 9	5°58	23°34	13°34	12°54	29°R42	28°49	12°31	5°13	W22
T 23	14 30 57	9°15'34	6♓26	29°44	8°31	24°10	10°15	6° 0	23°31	13°36	12°53	29°41	28°46	12°37	5°13	T 23
F 24	14 34 53	10°13'27	19°58	0♊21	9°43	23°50	10°20	6° 1	23°29	13°39	12°52	29°40	28°43	12°44	5°14	F 24
S 25	14 38 50	11°11'18	3♈18	0°52	10°55	23°30	10°26	6° 3	23°27	13°41	12°52	29°36	28°40	12°51	5°15	S 25
S 26	14 42 47	12° 9'09	16°27	1°19	12° 7	23°11	10°31	6° 4	23°24	13°43	12°51	29°29	28°36	12°57	5°15	S 26
M27	14 46 43	13° 6'58	29°25	1°41	13°19	22°52	10°36	6° 6	23°22	13°45	12°50	29°20	28°33	13° 4	5°16	M27
T 28	14 50 40	14° 4'45	12♉11	1°57	14°32	22°34	10°41	6° 7	23°19	13°48	12°50	29° 8	28°30	13°11	5°16	T 28
W29	14 54 36	15° 2'32	24°45	2° 9	15°44	22°16	10°46	6° 8	23°17	13°50	12°49	28°55	28°27	13°17	5°16	W29
T 30	14 58 33	16♉ 0'17	7♊ 6	2♊16	16♈56	21♎59	10♒50	6♒ 9	23♏14	13♉52	12♍49	28♒43	28♒24	13♋24	5♒17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 4	21n31	4n57	11n33	0n44	8s10	1s14	10s33	1n45	18s58	0s32	19s37	0s32	18s42	0n15	14n 4	1s45	21n18	16n 0	11s 7	11s33	27n 4	12s50	6n32
T 2	7 26	24 58	5 7	12 26	0 54	7 44	1 16	10 29	1 43	18 56	0 32	19 36	0 32	18 41	0 15	14 5	1 45	21 19	16 0	11 10	11 34	27 3	12 49	6 32
F 3	7 48	27 12	5 2	13 18	1 5	7 18	1 18	10 24	1 41	18 54	0 32	19 35	0 33	18 41	0 15	14 6	1 45	21 19	16 0	11 13	11 35	27 2	12 48	6 32
S 4	8 10	28 6	4 44	14 9	1 16	6 52	1 20	10 19	1 39	18 52	0 32	19 35	0 33	18 40	0 15	14 6	1 45	21 19	15 59	11 15	11 36	27 1	12 47	6 33
S 5	8 32	27 41	4 14	14 57	1 26	6 26	1 22	10 14	1 37	18 50	0 32	19 34	0 33	18 40	0 15	14 7	1 45	21 19	15 59	11 16	11 37	27 0	12 46	6 33
M 6	8 54	25 59	3 33	15 43	1 36	6 0	1 24	10 8	1 35	18 48	0 33	19 33	0 33	18 39	0 15	14 8	1 45	21 20	15 59	11 17	11 38	26 59	12 45	6 34
T 7	9 16	23 9	2 43	16 27	1 45	5 33	1 26	10 3	1 33	18 46	0 33	19 33	0 33	18 39	0 15	14 8	1 45	21 20	15 59	11 17	11 39	26 58	12 45	6 34
W 8	9 37	19 18	1 45	17 9	1 54	5 6	1 28	9 58	1 31	18 44	0 33	19 32	0 33	18 38	0 15	14 9	1 45	21 20	15 58	11 16	11 41	26 56	12 44	6 35
T 9	9 59	14 37	0 42	17 48	2 2	4 39	1 29	9 52	1 28	18 42	0 33	19 31	0 33	18 38	0 15	14 10	1 45	21 20	15 58	11 16	11 42	26 55	12 43	6 35
F 10	10 20	9 15	0s24	18 25	2 9	4 12	1 31	9 47	1 26	18 40	0 33	19 31	0 33	18 37	0 15	14 10	1 45	21 20	15 58	11 16	11 43	26 54	12 42	6 35
S 11	10 41	3 22	1 31	18 59	2 16	3 45	1 32	9 41	1 24	18 38	0 34	19 30	0 34	18 37	0 15	14 11	1 45	21 20	15 57	11 17	11 44	26 53	12 41	6 36
S 12	11 2	2s48	2 35	19 31	2 22	3 18	1 33	9 36	1 21	18 37	0 34	19 30	0 34	18 36	0 15	14 12	1 45	21 21	15 57	11 18	11 45	26 52	12 41	6 36
M13	11 23	9 1	3 32	20 0	2 27	2 50	1 35	9 30	1 19	18 35	0 34	19 29	0 34	18 36	0 15	14 12	1 45	21 21	15 57	11 20	11 46	26 51	12 40	6 37
T 14	11 43	14 58	4 18	20 27	2 31	2 22	1 36	9 24	1 16	18 33	0 34	19 29	0 34	18 35	0 15	14 13	1 45	21 21	15 56	11 23	11 47	26 49	12 39	6 37
W15	12 3	20 15	4 49	20 51	2 34	1 55	1 37	9 19	1 14	18 32	0 34	19 28	0 34	18 35	0 15	14 14	1 45	21 21	15 56	11 26	11 48	26 48	12 38	6 38
T 16	12 23	24 28	5 3	21 12	2 37	1 27	1 38	9 13	1 11	18 30	0 35	19 28	0 34	18 34	0 15	14 14	1 45	21 21	15 56	11 30	11 49	26 47	12 38	6 38
F 17	12 43	27 10	4 57	21 31	2 39	0 59	1 39	9 8	1 9	18 28	0 35	19 27	0 34	18 33	0 15	14 15	1 45	21 21	15 55	11 33	11 51	26 46	12 37	6 39
S 18	13 3	28 1	4 33	21 48	2 39	0 31	1 40	9 2	1 6	18 27	0 35	19 27	0 35	18 33	0 15	14 16	1 45	21 21	15 55	11 35	11 52	26 44	12 36	6 39
S 19	13 23	26 58	3 51	22 2	2 39	0 3	1 40	8 57	1 3	18 25	0 35	19 27	0 35	18 32	0 15	14 16	1 45	21 21	15 55	11 37	11 53	26 43	12 36	6 39
M20	13 42	24 8	2 55	22 13	2 37	0n25	1 41	8 52	1 1	18 24	0 36	19 26	0 35	18 32	0 15	14 17	1 45	21 21	15 54	11 38	11 54	26 42	12 35	6 40
T 21	14 1	19 53	1 49	22 23	2 35	0 53	1 42	8 46	0 58	18 23	0 36	19 26	0 35	18 31	0 15	14 18	1 45	21 21	15 54	11 38	11 55	26 41	12 34	6 40
W22	14 20	14 35	0 37	22 30	2 32	1 21	1 42	8 41	0 55	18 21	0 36	19 26	0 35	18 31	0 15	14 19	1 45	21 21	15 54	11 38	11 56	26 40	12 34	6 41
T 23	14 38	8 38	0n36	22 35	2 27	1 49	1 43	8 36	0 52	18 20	0 36	19 25	0 35	18 30	0 15	14 19	1 45	21 21	15 53	11 38	11 57	26 38	12 33	6 41
F 24	14 57	2 23	1 45	22 37	2 22	2 17	1 43	8 31	0 49	18 19	0 36	19 25	0 35	18 29	0 15	14 20	1 45	21 21	15 53	11 38	11 58	26 37	12 32	6 42
S 25	15 15	3n53	2 48	22 37	2 15	2 45	1 43	8 27	0 47	18 17	0 37	19 25	0 35	18 29	0 15	14 21	1 45	21 21	15 52	11 40	11 59	26 36	12 32	6 42
S 26	15 33	9 53	3 41	22 35	2 7	3 13	1 44	8 22	0 44	18 16	0 37	19 25	0 36	18 28	0 15	14 21	1 45	21 21	15 52	11 42	12 1	26 34	12 31	6 43
M27	15 51	15 23	4 21	22 31	1 59	3 41	1 44	8 18	0 41	18 15	0 37	19 24	0 36	18 28	0 15	14 22	1 45	21 21	15 52	11 45	12 2	26 33	12 31	6 43
T 28	16 8	20 7	4 48	22 25	1 49	4 9	1 44	8 13	0 38	18 14	0 37	19 24	0 36	18 27	0 15	14 23	1 45	21 20	15 51	11 49	12 3	26 32	12 30	6 44
W29	16 25	23 53	5 0	22 17	1 38	4 37	1 44	8 9	0 35	18 13	0 38	19 24	0 36	18 26	0 14	14 23	1 45	21 20	15 51	11 54	12 4	26 31	12 30	6 44
T 30	16n42	26n29	4n57	22n 7	1n26	5n 5	1s44	8s 6	0n33	18s12	0s38	19s24	0s36	18s26	0n14	14n24	1s45	21n20	15n51	11s58	12s 5	26n29	12s29	6n44

Julian Day Number = 2168944.5, Delta T = 12m29s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'02, Lahiri = 13°04'03 Julian Calendar 1 Apr. 1226 == Greg. Calendar 8 Apr. 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

MAY 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 2 29	16♉58'00	19♊16	2°R18	18♈ 8	21°R42	10♒54	6♒10	23°R12	13♉54	12°R48	28°R31	28♒20	13♋31	5♒17	F 1
S 2	15 6 26	17°55'42	1♋17	2♊15	19°20	21♎27	10°59	6°11	23♏ 9	13°57	12♍48	28♒21	28°17	13°37	5°17	S 2
S 3	15 10 22	18°53'22	13° 9	2° 8	20°33	21°11	11° 3	6°11	23° 7	13°59	12°47	28°14	28°14	13°44	5°R17	S 3
M 4	15 14 19	19°51'01	24°58	1°56	21°45	20°57	11° 6	6°12	23° 4	14° 1	12°47	28° 9	28°11	13°51	5°17	M 4
T 5	15 18 16	20°48'39	6♌48	1°41	22°57	20°43	11°10	6°12	23° 2	14° 3	12°46	28° 7	28° 8	13°57	5°17	T 5
W 6	15 22 12	21°46'14	18°43	1°21	24° 9	20°30	11°14	6°13	22°59	14° 6	12°46	28° 7	28° 5	14° 4	5°17	W 6
T 7	15 26 9	22°43'49	0♍50	0°58	25°22	20°18	11°17	6°13	22°57	14° 8	12°46	28° 7	28° 1	14°11	5°17	T 7
F 8	15 30 5	23°41'21	13°12	0°32	26°34	20° 7	11°20	6°13	22°54	14°10	12°45	28° 6	27°58	14°18	5°16	F 8
S 9	15 34 2	24°38'53	25°56	0° 3	27°46	19°56	11°23	6°13	22°52	14°12	12°45	28° 4	27°55	14°24	5°16	S 9
S 10	15 37 58	25°36'22	9♎ 5	29♉32	28°59	19°46	11°26	6°R13	22°49	14°15	12°45	28° 0	27°52	14°31	5°16	S 10
M11	15 41 55	26°33'51	22°42	29° 0	0♊11	19°37	11°28	6°13	22°47	14°17	12°45	27°53	27°49	14°38	5°15	M11
T 12	15 45 51	27°31'18	6♏45	28°27	1°24	19°29	11°31	6°13	22°45	14°19	12°45	27°44	27°46	14°44	5°15	T 12
W13	15 49 48	28°28'45	21°13	27°53	2°36	19°21	11°33	6°13	22°42	14°21	12°44	27°33	27°42	14°51	5°14	W13
T 14	15 53 45	29°26'10	5♐58	27°19	3°48	19°15	11°35	6°12	22°40	14°23	12°44	27°21	27°39	14°58	5°13	T 14
F 15	15 57 41	0♊23'34	20°53	26°47	5° 1	19° 9	11°37	6°12	22°37	14°26	12°44	27°11	27°36	15° 4	5°13	F 15
S 16	16 1 38	1°20'58	5♑48	26°15	6°13	19° 4	11°38	6°11	22°35	14°28	12°44	27° 3	27°33	15°11	5°12	S 16
S 17	16 5 34	2°18'20	20°36	25°46	7°26	19° 0	11°40	6°11	22°32	14°30	12°D44	26°57	27°30	15°18	5°11	S 17
M18	16 9 31	3°15'42	5♒ 9	25°18	8°38	18°56	11°41	6°10	22°30	14°32	12°44	26°54	27°26	15°24	5°10	M18
T 19	16 13 27	4°13'04	19°24	24°54	9°51	18°54	11°42	6° 9	22°27	14°34	12°44	26°53	27°23	15°31	5° 9	T 19
W20	16 17 24	5°10'24	3♓20	24°32	11° 3	18°52	11°43	6° 8	22°25	14°36	12°44	26°52	27°20	15°38	5° 8	W20
T 21	16 21 20	6° 7'44	16°57	24°14	12°16	18°51	11°44	6° 7	22°23	14°39	12°44	26°52	27°17	15°44	5° 7	T 21
F 22	16 25 17	7° 5'04	0♈17	24° 0	13°29	18°D51	11°44	6° 6	22°20	14°41	12°45	26°51	27°14	15°51	5° 6	F 22
S 23	16 29 14	8° 2'23	13°22	23°50	14°41	18°51	11°44	6° 5	22°18	14°43	12°45	26°47	27°11	15°58	5° 4	S 23
S 24	16 33 10	8°59'42	26°13	23°45	15°54	18°53	11°R44	6° 3	22°15	14°45	12°45	26°40	27° 7	16° 4	5° 3	S 24
M25	16 37 7	9°57'00	8♉53	23°D43	17° 6	18°55	11°44	6° 2	22°13	14°47	12°45	26°30	27° 4	16°11	5° 2	M25
T 26	16 41 3	10°54'18	21°21	23°47	18°19	18°58	11°44	6° 0	22°11	14°49	12°45	26°19	27° 1	16°18	5° 0	T 26
W27	16 45 0	11°51'35	3♊40	23°54	19°32	19° 2	11°44	5°59	22° 8	14°51	12°46	26° 6	26°58	16°24	4°59	W27
T 28	16 48 56	12°48'51	15°50	24° 7	20°44	19° 6	11°43	5°57	22° 6	14°53	12°46	25°54	26°55	16°31	4°57	T 28
F 29	16 52 53	13°46'08	27°51	24°23	21°57	19°12	11°42	5°55	22° 4	14°55	12°46	25°42	26°52	16°38	4°56	F 29
S 30	16 56 49	14°43'23	9♋45	24°45	23°10	19°18	11°41	5°53	22° 2	14°57	12°47	25°32	26°48	16°44	4°54	S 30
S 31	17 0 46	15♊40'38	21♋35	25♉11	24♉23	19♎25	11♒40	5♒51	21♏59	14♉59	12♍47	25♒25	26♒45	16♋51	4♒52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n59	27n47	4n42	21n55	1n13	5n33	1s43	8s 2	0n30	18s11	0s38	19s24	0s36	18s25	0n14	14n25	1s45	21n20	15n50	12s 2	12s 6	26n28	12s29	6n45
S 2	17 15	27 45	4 13	21 41	1 0	6 1	1 43	7 59	0 27	18 10	0 38	19 24	0 36	18 24	0 14	14 25	1 45	21 20	15 50	12 6	12 7	26 27	12 28	6 45
S 3	17 31	26 26	3 34	21 25	0 45	6 28	1 43	7 56	0 24	18 9	0 39	19 24	0 37	18 24	0 14	14 26	1 45	21 20	15 49	12 8	12 8	26 25	12 28	6 46
M 4	17 47	23 57	2 46	21 8	0 30	6 56	1 42	7 53	0 21	18 8	0 39	19 24	0 37	18 23	0 14	14 27	1 45	21 19	15 49	12 10	12 9	26 24	12 27	6 46
T 5	18 2	20 26	1 50	20 49	0 14	7 23	1 42	7 50	0 19	18 7	0 39	19 24	0 37	18 23	0 14	14 27	1 45	21 19	15 48	12 11	12 10	26 23	12 27	6 47
W 6	18 17	16 4	0 50	20 29	0s 2	7 50	1 41	7 48	0 16	18 7	0 39	19 24	0 37	18 22	0 14	14 28	1 45	21 19	15 48	12 11	12 12	26 21	12 27	6 47
T 7	18 32	11 0	0s14	20 7	0 19	8 17	1 41	7 46	0 13	18 6	0 39	19 24	0 37	18 21	0 14	14 29	1 45	21 19	15 48	12 11	12 13	26 20	12 26	6 48
F 8	18 47	5 25	1 19	19 45	0 37	8 44	1 40	7 44	0 11	18 5	0 40	19 24	0 37	18 21	0 14	14 29	1 45	21 18	15 47	12 11	12 14	26 19	12 26	6 48
S 9	19 1	0s32	2 22	19 22	0 54	9 11	1 39	7 42	0 8	18 5	0 40	19 24	0 37	18 20	0 14	14 30	1 45	21 18	15 47	12 12	12 15	26 17	12 25	6 48
S 10	19 15	6 39	3 18	18 58	1 12	9 37	1 39	7 41	0 5	18 4	0 40	19 24	0 38	18 20	0 14	14 31	1 45	21 18	15 46	12 13	12 16	26 16	12 25	6 49
M11	19 28	12 40	4 6	18 35	1 29	10 4	1 38	7 40	0 3	18 4	0 40	19 24	0 38	18 19	0 14	14 31	1 45	21 17	15 46	12 16	12 17	26 14	12 25	6 49
T 12	19 41	18 14	4 41	18 11	1 46	10 30	1 37	7 39	0 0	18 3	0 41	19 25	0 38	18 18	0 14	14 32	1 45	21 17	15 45	12 19	12 18	26 13	12 24	6 50
W13	19 54	22 56	4 59	17 47	2 2	10 56	1 36	7 39	0s 3	18 3	0 41	19 25	0 38	18 18	0 14	14 32	1 45	21 17	15 45	12 23	12 19	26 12	12 24	6 50
T 14	20 7	26 16	4 57	17 24	2 18	11 21	1 35	7 39	0 5	18 3	0 41	19 25	0 38	18 17	0 14	14 33	1 45	21 16	15 45	12 26	12 20	26 10	12 24	6 51
F 15	20 19	27 48	4 35	17 2	2 33	11 47	1 33	7 39	0 8	18 2	0 41	19 25	0 38	18 16	0 14	14 34	1 45	21 16	15 44	12 30	12 21	26 9	12 24	6 51
S 16	20 31	27 20	3 55	16 41	2 48	12 12	1 32	7 39	0 10	18 2	0 42	19 26	0 38	18 16	0 14	14 34	1 45	21 16	15 44	12 33	12 23	26 7	12 23	6 51
S 17	20 43	24 54	2 59	16 21	3 1	12 37	1 31	7 40	0 12	18 2	0 42	19 26	0 39	18 15	0 14	14 35	1 45	21 15	15 43	12 35	12 24	26 6	12 23	6 52
M18	20 54	20 53	1 52	16 3	3 13	13 2	1 30	7 41	0 15	18 2	0 42	19 26	0 39	18 15	0 14	14 36	1 45	21 15	15 43	12 36	12 25	26 4	12 23	6 52
T 19	21 5	15 41	0 39	15 46	3 24	13 26	1 28	7 42	0 17	18 2	0 42	19 27	0 39	18 14	0 14	14 36	1 45	21 14	15 42	12 36	12 26	26 3	12 23	6 53
W20	21 15	9 48	0n34	15 32	3 34	13 50	1 27	7 43	0 19	18 2	0 43	19 27	0 39	18 13	0 14	14 37	1 45	21 14	15 42	12 36	12 27	26 2	12 23	6 53
T 21	21 25	3 35	1 44	15 19	3 43	14 14	1 25	7 45	0 22	18 2	0 43	19 27	0 39	18 13	0 14	14 37	1 45	21 14	15 42	12 37	12 28	26 0	12 23	6 54
F 22	21 35	2n40	2 47	15 8	3 50	14 37	1 24	7 47	0 24	18 2	0 43	19 28	0 39	18 12	0 14	14 38	1 45	21 13	15 41	12 37	12 29	25 59	12 22	6 54
S 23	21 45	8 40	3 40	15 0	3 56	15 0	1 22	7 49	0 26	18 2	0 43	19 28	0 39	18 12	0 14	14 39	1 45	21 13	15 41	12 38	12 30	25 57	12 22	6 54
S 24	21 54	14 12	4 20	14 54	4 1	15 23	1 20	7 52	0 28	18 2	0 44	19 29	0 40	18 11	0 14	14 39	1 45	21 12	15 40	12 41	12 31	25 56	12 22	6 55
M25	22 2	19 3	4 47	14 50	4 4	15 45	1 19	7 55	0 30	18 3	0 44	19 29	0 40	18 10	0 14	14 40	1 45	21 12	15 40	12 44	12 32	25 54	12 22	6 55
T 26	22 11	23 0	5 0	14 49	4 7	16 7	1 17	7 58	0 33	18 3	0 44	19 30	0 40	18 10	0 14	14 40	1 45	21 11	15 39	12 48	12 34	25 53	12 22	6 56
W27	22 18	25 51	4 58	14 49	4 8	16 29	1 15	8 1	0 35	18 3	0 44	19 30	0 40	18 9	0 14	14 41	1 45	21 11	15 39	12 52	12 35	25 51	12 22	6 56
T 28	22 26	27 29	4 43	14 52	4 8	16 50	1 13	8 5	0 37	18 4	0 45	19 31	0 40	18 9	0 14	14 42	1 45	21 10	15 38	12 57	12 36	25 50	12 22	6 56
F 29	22 33	27 47	4 16	14 57	4 7	17 11	1 11	8 9	0 39	18 4	0 45	19 31	0 40	18 8	0 14	14 42	1 45	21 9	15 38	13 1	12 37	25 48	12 22	6 57
S 30	22 40	26 47	3 37	15 5	4 5	17 31	1 9	8 13	0 41	18 5	0 45	19 32	0 40	18 7	0 14	14 43	1 45	21 9	15 37	13 4	12 38	25 47	12 22	6 57
S 31	22n46	24n35	2n49	15n14	4s 2	17n51	1s 8	8s17	0s43	18s 5	0s45	19s33	0s41	18s 7	0n14	14n43	1s45	21n 8	15n37	13s 6	12s39	25n45	12s22	6n57

Julian Day Number = 2168974.5, Delta T = 12m29s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'07, Lahiri = 13°04'07 Julian Calendar 1 May 1226 == Greg. Calendar 8 May 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

JUNE 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 4 43	16♊37'52	3♌23	25♉41	25♉35	19♎32	11°R38	5°R49	21°R57	15♉ 1	12♍48	25°R20	26♒42	16♋58	4°R51	M 1
T 2	17 8 39	17°35'06	15°11	26°16	26°48	19°41	11♒37	5♒47	21♏55	15° 3	12°48	25♒18	26°39	17° 5	4♒49	T 2
W 3	17 12 36	18°32'18	27° 6	26°55	28° 1	19°50	11°35	5°45	21°53	15° 5	12°49	25°D17	26°36	17°11	4°47	W 3
T 4	17 16 32	19°29'30	9♍11	27°39	29°14	19°59	11°33	5°43	21°51	15° 7	12°49	25°18	26°32	17°18	4°45	T 4
F 5	17 20 29	20°26'42	21°32	28°26	0♊27	20°10	11°31	5°40	21°49	15° 9	12°50	25°R18	26°29	17°25	4°43	F 5
S 6	17 24 25	21°23'53	4♎13	29°18	1°40	20°21	11°28	5°38	21°47	15°11	12°51	25°17	26°26	17°31	4°41	S 6
S 7	17 28 22	22°21'03	17°20	0♊14	2°52	20°32	11°26	5°35	21°45	15°13	12°51	25°15	26°23	17°38	4°39	S 7
M 8	17 32 18	23°18'13	0♏56	1°14	4° 5	20°45	11°23	5°33	21°43	15°15	12°52	25°10	26°20	17°45	4°37	M 8
T 9	17 36 15	24°15'23	15° 0	2°18	5°18	20°58	11°20	5°30	21°41	15°16	12°53	25° 3	26°17	17°51	4°34	T 9
W10	17 40 12	25°12'32	29°32	3°26	6°31	21°11	11°17	5°27	21°39	15°18	12°53	24°55	26°13	17°58	4°32	W10
T 11	17 44 8	26° 9'41	14♐27	4°38	7°44	21°25	11°14	5°24	21°37	15°20	12°54	24°46	26°10	18° 5	4°30	T 11
F 12	17 48 5	27° 6'49	29°35	5°54	8°57	21°40	11°10	5°21	21°35	15°22	12°55	24°38	26° 7	18°11	4°28	F 12
S 13	17 52 1	28° 3'58	14♑47	7°13	10°10	21°56	11° 7	5°18	21°33	15°24	12°56	24°31	26° 4	18°18	4°25	S 13
S 14	17 55 58	29° 1'07	29°52	8°36	11°23	22°12	11° 3	5°15	21°31	15°25	12°57	24°27	26° 1	18°25	4°23	S 14
M15	17 59 54	29°58'16	14♒43	10° 3	12°36	22°28	10°59	5°12	21°30	15°27	12°58	24°25	25°58	18°31	4°20	M15
T 16	18 3 51	0♋55'25	29°12	11°33	13°49	22°45	10°55	5° 9	21°28	15°29	12°58	24°D24	25°54	18°38	4°18	T 16
W17	18 7 48	1°52'34	13♓18	13° 8	15° 2	23° 3	10°50	5° 6	21°26	15°31	12°59	24°25	25°51	18°45	4°15	W17
T 18	18 11 44	2°49'43	26°59	14°45	16°16	23°21	10°46	5° 2	21°24	15°32	13° 0	24°R26	25°48	18°51	4°13	T 18
F 19	18 15 41	3°46'53	10♈18	16°26	17°29	23°40	10°41	4°59	21°23	15°34	13° 1	24°26	25°45	18°58	4°10	F 19
S 20	18 19 37	4°44'04	23°17	18°10	18°42	23°59	10°36	4°55	21°21	15°36	13° 2	24°24	25°42	19° 5	4° 7	S 20
S 21	18 23 34	5°41'15	5♉59	19°58	19°55	24°19	10°31	4°52	21°20	15°37	13° 4	24°20	25°38	19°11	4° 4	S 21
M22	18 27 30	6°38'26	18°27	21°48	21° 8	24°39	10°26	4°48	21°18	15°39	13° 5	24°15	25°35	19°18	4° 2	M22
T 23	18 31 27	7°35'38	0♊43	23°42	22°22	25° 0	10°21	4°44	21°17	15°40	13° 6	24° 7	25°32	19°25	3°59	T 23
W24	18 35 23	8°32'50	12°49	25°38	23°35	25°21	10°16	4°41	21°15	15°42	13° 7	23°59	25°29	19°31	3°56	W24
T 25	18 39 20	9°30'03	24°49	27°36	24°48	25°42	10°10	4°37	21°14	15°43	13° 8	23°51	25°26	19°38	3°53	T 25
F 26	18 43 17	10°27'16	6♋43	29°37	26° 2	26° 5	10° 4	4°33	21°13	15°45	13° 9	23°43	25°23	19°45	3°50	F 26
S 27	18 47 13	11°24'30	18°33	1♋40	27°15	26°27	9°58	4°29	21°11	15°46	13°11	23°37	25°19	19°51	3°47	S 27
S 28	18 51 10	12°21'43	0♌21	3°44	28°28	26°50	9°52	4°25	21°10	15°48	13°12	23°32	25°16	19°58	3°44	S 28
M29	18 55 6	13°18'58	12° 9	5°50	29°42	27°14	9°46	4°21	21° 9	15°49	13°13	23°30	25°13	20° 5	3°41	M29
T 30	18 59 3	14♋16'12	24♌ 0	7♋57	0♋55	27♎38	9♒40	4♒17	21♏ 8	15♉50	13♍14	23°D29	25♒10	20♋11	3♒38	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n52	21n20	1n54	15n25	3s58	18n11	1s 5	8s22	0s44	18s 6	0s46	19s33	0s41	18s 6	0n14	14n44	1s46	21n 8	15n37	13s 8	12s40	25n44	12s22	6n58
T 2	22 58	17 12	0 54	15 38	3 53	18 30	1 3	8 26	0 46	18 7	0 46	19 34	0 41	18 6	0 14	14 44	1 46	21 7	15 36	13 9	12 41	25 42	12 22	6 58
W 3	23 3	12 23	0s10	15 52	3 47	18 48	1 1	8 32	0 48	18 7	0 46	19 35	0 41	18 5	0 14	14 45	1 46	21 7	15 36	13 9	12 42	25 41	12 22	6 59
T 4	23 7	7 1	1 13	16 8	3 41	19 7	0 59	8 37	0 50	18 8	0 46	19 35	0 41	18 5	0 14	14 45	1 46	21 6	15 35	13 9	12 43	25 39	12 23	6 59
F 5	23 12	1 18	2 15	16 26	3 33	19 24	0 57	8 42	0 52	18 9	0 47	19 36	0 41	18 4	0 14	14 46	1 46	21 5	15 35	13 9	12 44	25 37	12 23	6 59
S 6	23 16	4s37	3 12	16 45	3 25	19 41	0 55	8 48	0 53	18 10	0 47	19 37	0 41	18 4	0 14	14 46	1 46	21 5	15 34	13 9	12 45	25 36	12 23	7 0
S 7	23 19	10 32	4 1	17 5	3 17	19 58	0 53	8 54	0 55	18 11	0 47	19 38	0 42	18 3	0 14	14 47	1 46	21 4	15 34	13 10	12 47	25 34	12 23	7 0
M 8	23 22	16 11	4 38	17 26	3 8	20 14	0 50	9 0	0 57	18 12	0 48	19 38	0 42	18 3	0 14	14 48	1 46	21 3	15 34	13 11	12 48	25 33	12 23	7 0
T 9	23 25	21 11	5 0	17 48	2 58	20 29	0 48	9 7	0 58	18 13	0 48	19 39	0 42	18 2	0 14	14 48	1 46	21 3	15 33	13 14	12 49	25 31	12 23	7 1
W10	23 27	25 5	5 4	18 11	2 48	20 44	0 46	9 13	1 0	18 14	0 48	19 40	0 42	18 2	0 14	14 49	1 46	21 2	15 33	13 16	12 50	25 30	12 24	7 1
T 11	23 29	27 23	4 47	18 35	2 37	20 59	0 43	9 20	1 1	18 15	0 48	19 41	0 42	18 1	0 14	14 49	1 46	21 1	15 32	13 19	12 51	25 28	12 24	7 1
F 12	23 31	27 43	4 10	18 59	2 26	21 13	0 41	9 27	1 3	18 16	0 49	19 42	0 42	18 1	0 14	14 49	1 46	21 1	15 32	13 22	12 52	25 26	12 24	7 1
S 13	23 32	25 58	3 16	19 24	2 15	21 26	0 39	9 34	1 4	18 18	0 49	19 42	0 42	18 0	0 14	14 50	1 46	21 0	15 31	13 24	12 53	25 25	12 24	7 2
S 14	23 32	22 21	2 8	19 49	2 3	21 39	0 36	9 42	1 6	18 19	0 49	19 43	0 43	18 0	0 14	14 50	1 46	20 59	15 31	13 26	12 54	25 23	12 25	7 2
M15	23 32	17 19	0 52	20 14	1 51	21 51	0 34	9 49	1 7	18 20	0 49	19 44	0 43	17 59	0 14	14 51	1 46	20 58	15 31	13 27	12 55	25 21	12 25	7 2
T 16	23 32	11 24	0n26	20 38	1 39	22 2	0 31	9 57	1 9	18 22	0 49	19 45	0 43	17 59	0 14	14 51	1 46	20 58	15 30	13 27	12 56	25 20	12 25	7 3
W17	23 32	5 3	1 40	21 3	1 26	22 13	0 29	10 5	1 10	18 23	0 50	19 46	0 43	17 59	0 14	14 52	1 46	20 57	15 30	13 26	12 57	25 18	12 26	7 3
T 18	23 31	1n20	2 46	21 27	1 14	22 23	0 27	10 13	1 11	18 25	0 50	19 47	0 43	17 58	0 14	14 52	1 46	20 56	15 29	13 26	12 58	25 17	12 26	7 3
F 19	23 29	7 29	3 41	21 50	1 1	22 33	0 24	10 21	1 13	18 26	0 50	19 48	0 43	17 58	0 14	14 53	1 46	20 55	15 29	13 26	12 59	25 15	12 26	7 3
S 20	23 27	13 10	4 24	22 12	0 49	22 42	0 22	10 29	1 14	18 28	0 50	19 49	0 43	17 57	0 14	14 53	1 46	20 55	15 28	13 27	13 1	25 13	12 27	7 4
S 21	23 25	18 10	4 52	22 33	0 36	22 50	0 19	10 38	1 15	18 29	0 51	19 50	0 43	17 57	0 14	14 54	1 46	20 54	15 28	13 28	13 2	25 12	12 27	7 4
M22	23 22	22 17	5 6	22 53	0 24	22 58	0 17	10 46	1 16	18 31	0 51	19 51	0 44	17 57	0 14	14 54	1 46	20 53	15 28	13 30	13 3	25 10	12 27	7 4
T 23	23 19	25 22	5 6	23 12	0 12	23 5	0 14	10 55	1 18	18 33	0 51	19 52	0 44	17 56	0 14	14 54	1 46	20 52	15 27	13 32	13 4	25 8	12 28	7 4
W24	23 16	27 15	4 51	23 28	0 0	23 12	0 12	11 4	1 19	18 34	0 51	19 53	0 44	17 56	0 14	14 55	1 46	20 51	15 27	13 35	13 5	25 7	12 28	7 4
T 25	23 12	27 51	4 24	23 42	0n11	23 17	0 9	11 13	1 20	18 36	0 52	19 54	0 44	17 55	0 14	14 55	1 46	20 51	15 27	13 38	13 6	25 5	12 29	7 5
F 26	23 8	27 8	3 46	23 55	0 22	23 22	0 7	11 22	1 21	18 38	0 52	19 55	0 44	17 55	0 14	14 56	1 46	20 50	15 26	13 40	13 7	25 3	12 29	7 5
S 27	23 3	25 11	2 58	24 5	0 33	23 27	0 4	11 32	1 22	18 40	0 52	19 56	0 44	17 55	0 14	14 56	1 46	20 49	15 26	13 42	13 8	25 1	12 30	7 5
S 28	22 58	22 9	2 2	24 12	0 43	23 30	0 2	11 41	1 23	18 41	0 52	19 57	0 44	17 54	0 14	14 56	1 47	20 48	15 25	13 44	13 9	25 0	12 30	7 5
M29	22 52	18 12	1 1	24 17	0 52	23 33	0n 1	11 50	1 24	18 43	0 52	19 58	0 44	17 54	0 14	14 57	1 47	20 47	15 25	13 45	13 10	24 58	12 31	7 5
T 30	22n46	13n32	0s 3	24n19	1n 1	23n36	0n 3	12s 0	1s25	18s45	0s53	19s59	0s44	17s54	0n14	14n57	1s47	20n46	15n25	13s45	13s11	24n56	12s31	7n 5

Julian Day Number = 2169005.5, Delta T = 12m29s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'11, Lahiri = 13°04'11 Julian Calendar 1 June 1226 == Greg. Calendar 8 June 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

JULY 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 2 59	15♋13'27	5♍58	10♋ 4	2♋ 9	28♎ 2	9°R34	4°R13	21°R 6	15♉52	13♍16	23♒30	25♒ 7	20♋18	3°R35	W 1
T 2	19 6 56	16°10'42	18° 5	12°12	3°22	28°27	9♒27	4♒ 9	21♏ 5	15°53	13°17	23°31	25° 4	20°25	3♒32	T 2
F 3	19 10 52	17° 7'57	0♎27	14°20	4°36	28°52	9°21	4° 5	21° 4	15°54	13°19	23°33	25° 0	20°31	3°29	F 3
S 4	19 14 49	18° 5'13	13° 8	16°27	5°49	29°17	9°14	4° 1	21° 3	15°56	13°20	23°R34	24°57	20°38	3°26	S 4
S 5	19 18 46	19° 2'29	26°11	18°35	7° 3	29°43	9° 7	3°56	21° 2	15°57	13°21	23°34	24°54	20°45	3°23	S 5
M 6	19 22 42	19°59'46	9♏41	20°42	8°16	0♏10	9° 0	3°52	21° 2	15°58	13°23	23°32	24°51	20°51	3°20	M 6
T 7	19 26 39	20°57'03	23°38	22°47	9°30	0°36	8°53	3°48	21° 1	15°59	13°24	23°29	24°48	20°58	3°17	T 7
W 8	19 30 35	21°54'20	8♐ 3	24°52	10°43	1° 4	8°46	3°44	21° 0	16° 0	13°26	23°26	24°44	21° 5	3°13	W 8
T 9	19 34 32	22°51'38	22°51	26°56	11°57	1°31	8°39	3°39	20°59	16° 2	13°27	23°21	24°41	21°11	3°10	T 9
F 10	19 38 28	23°48'57	7♑57	28°59	13°11	1°59	8°32	3°35	20°58	16° 3	13°29	23°17	24°38	21°18	3° 7	F 10
S 11	19 42 25	24°46'16	23°11	1♘ 0	14°24	2°27	8°24	3°31	20°58	16° 4	13°31	23°14	24°35	21°25	3° 4	S 11
S 12	19 46 22	25°43'36	8♒24	2°59	15°38	2°55	8°17	3°26	20°57	16° 5	13°32	23°12	24°32	21°31	3° 1	S 12
M13	19 50 18	26°40'57	23°25	4°58	16°52	3°24	8° 9	3°22	20°57	16° 6	13°34	23°D12	24°29	21°38	2°57	M13
T 14	19 54 15	27°38'19	8♓ 6	6°54	18° 5	3°53	8° 2	3°17	20°56	16° 7	13°36	23°12	24°25	21°45	2°54	T 14
W15	19 58 11	28°35'43	22°24	8°50	19°19	4°23	7°54	3°13	20°56	16° 8	13°37	23°13	24°22	21°51	2°51	W15
T 16	20 2 8	29°33'07	6♈15	10°43	20°33	4°52	7°47	3° 8	20°55	16° 9	13°39	23°15	24°19	21°58	2°48	T 16
F 17	20 6 4	0♘30'33	19°40	12°35	21°47	5°23	7°39	3° 4	20°55	16°10	13°41	23°16	24°16	22° 5	2°44	F 17
S 18	20 10 1	1°27'59	2♉41	14°26	23° 1	5°53	7°31	2°59	20°55	16°10	13°42	23°R16	24°13	22°11	2°41	S 18
S 19	20 13 57	2°25'28	15°21	16°15	24°15	6°24	7°23	2°55	20°54	16°11	13°44	23°16	24°10	22°18	2°38	S 19
M20	20 17 54	3°22'57	27°44	18° 2	25°29	6°54	7°16	2°51	20°54	16°12	13°46	23°14	24° 6	22°25	2°34	M20
T 21	20 21 51	4°20'29	9♊53	19°48	26°43	7°26	7° 8	2°46	20°54	16°13	13°48	23°12	24° 3	22°31	2°31	T 21
W22	20 25 47	5°18'01	21°53	21°32	27°56	7°57	7° 0	2°42	20°54	16°14	13°50	23° 9	24° 0	22°38	2°28	W22
T 23	20 29 44	6°15'35	3♋46	23°15	29°10	8°29	6°52	2°37	20°54	16°14	13°51	23° 7	23°57	22°45	2°25	T 23
F 24	20 33 40	7°13'10	15°36	24°56	0♘25	9° 1	6°44	2°33	20°D54	16°15	13°53	23° 4	23°54	22°51	2°21	F 24
S 25	20 37 37	8°10'46	27°24	26°35	1°39	9°34	6°36	2°28	20°54	16°16	13°55	23° 2	23°50	22°58	2°18	S 25
S 26	20 41 33	9° 8'24	9♘14	28°13	2°53	10° 6	6°29	2°24	20°54	16°16	13°57	23° 1	23°47	23° 5	2°15	S 26
M27	20 45 30	10° 6'03	21° 6	29°50	4° 7	10°39	6°21	2°19	20°54	16°17	13°59	23°D 1	23°44	23°11	2°12	M27
T 28	20 49 26	11° 3'43	3♍ 5	1♍25	5°21	11°12	6°13	2°15	20°54	16°17	14° 1	23° 1	23°41	23°18	2° 8	T 28
W29	20 53 23	12° 1'24	15°11	2°59	6°35	11°46	6° 5	2°11	20°55	16°18	14° 3	23° 1	23°38	23°25	2° 5	W29
T 30	20 57 20	12°59'07	27°28	4°31	7°49	12°19	5°57	2° 6	20°55	16°18	14° 5	23° 2	23°35	23°31	2° 2	T 30
F 31	21 1 16	13♘56'50	9♎57	6♍ 1	9♘ 3	12♏53	5♒50	2♒ 2	20♏55	16♉19	14♍ 7	23♒ 3	23♒31	23♋38	1♒59	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n40	8n19	1s 8	24n18	1n 9	23n37	0n 6	12s10	1s26	18s47	0s53	20s 0	0s45	17s54	0n14	14n57	1s47	20n45	15n24	13s45	13s12	24n55	12s32	7n 6
T 2	22 33	2 44	2 10	24 15	1 16	23 38	0 8	12 20	1 27	18 49	0 53	20 2	0 45	17 53	0 14	14 58	1 47	20 45	15 24	13 44	13 13	24 53	12 32	7 6
F 3	22 26	3s 3	3 8	24 8	1 23	23 38	0 11	12 30	1 28	18 51	0 53	20 3	0 45	17 53	0 14	14 58	1 47	20 44	15 24	13 44	13 15	24 51	12 33	7 6
S 4	22 19	8 51	3 58	23 59	1 28	23 38	0 13	12 40	1 29	18 53	0 54	20 4	0 45	17 53	0 14	14 58	1 47	20 43	15 23	13 43	13 16	24 49	12 34	7 6
S 5	22 11	14 27	4 38	23 47	1 33	23 37	0 15	12 50	1 30	18 55	0 54	20 5	0 45	17 53	0 14	14 59	1 47	20 42	15 23	13 43	13 17	24 48	12 34	7 6
M 6	22 3	19 34	5 4	23 33	1 38	23 35	0 18	13 0	1 31	18 57	0 54	20 6	0 45	17 52	0 13	14 59	1 47	20 41	15 23	13 44	13 18	24 46	12 35	7 6
T 7	21 54	23 48	5 13	23 16	1 41	23 32	0 20	13 10	1 32	18 59	0 54	20 7	0 45	17 52	0 13	14 59	1 47	20 40	15 22	13 45	13 19	24 44	12 35	7 6
W 8	21 45	26 43	5 3	22 57	1 44	23 29	0 23	13 21	1 33	19 1	0 54	20 8	0 45	17 52	0 13	14 59	1 47	20 39	15 22	13 46	13 20	24 42	12 36	7 6
T 9	21 36	27 53	4 32	22 35	1 46	23 25	0 25	13 31	1 34	19 3	0 54	20 9	0 45	17 52	0 13	15 0	1 47	20 38	15 22	13 48	13 21	24 40	12 37	7 7
F 10	21 26	27 1	3 43	22 12	1 47	23 20	0 27	13 41	1 35	19 5	0 55	20 10	0 46	17 52	0 13	15 0	1 47	20 37	15 21	13 49	13 22	24 39	12 37	7 7
S 11	21 16	24 7	2 37	21 46	1 48	23 15	0 29	13 52	1 35	19 7	0 55	20 12	0 46	17 52	0 13	15 0	1 47	20 37	15 21	13 50	13 23	24 37	12 38	7 7
S 12	21 5	19 32	1 20	21 19	1 48	23 9	0 32	14 3	1 36	19 9	0 55	20 13	0 46	17 51	0 13	15 1	1 47	20 36	15 21	13 51	13 24	24 35	12 39	7 7
M13	20 55	13 45	0n 1	20 50	1 47	23 2	0 34	14 13	1 37	19 12	0 55	20 14	0 46	17 51	0 13	15 1	1 47	20 35	15 20	13 51	13 25	24 33	12 39	7 7
T 14	20 43	7 19	1 21	20 20	1 46	22 55	0 36	14 24	1 38	19 14	0 55	20 15	0 46	17 51	0 13	15 1	1 47	20 34	15 20	13 51	13 26	24 31	12 40	7 7
W15	20 32	0 40	2 34	19 48	1 44	22 46	0 38	14 35	1 38	19 16	0 56	20 16	0 46	17 51	0 13	15 1	1 47	20 33	15 20	13 50	13 27	24 30	12 41	7 7
T 16	20 20	5n47	3 35	19 15	1 41	22 38	0 40	14 45	1 39	19 18	0 56	20 17	0 46	17 51	0 13	15 1	1 47	20 32	15 19	13 50	13 28	24 28	12 41	7 7
F 17	20 8	11 46	4 23	18 40	1 38	22 28	0 42	14 56	1 40	19 20	0 56	20 18	0 46	17 51	0 13	15 2	1 48	20 31	15 19	13 49	13 29	24 26	12 42	7 7
S 18	19 55	17 4	4 55	18 5	1 35	22 18	0 44	15 7	1 41	19 22	0 56	20 19	0 46	17 51	0 13	15 2	1 48	20 30	15 19	13 49	13 30	24 24	12 43	7 7
S 19	19 42	21 29	5 12	17 29	1 31	22 7	0 46	15 18	1 41	19 24	0 56	20 21	0 46	17 51	0 13	15 2	1 48	20 29	15 19	13 49	13 32	24 22	12 43	7 7
M20	19 29	24 50	5 14	16 52	1 27	21 56	0 48	15 29	1 42	19 27	0 56	20 22	0 46	17 51	0 13	15 2	1 48	20 28	15 18	13 50	13 33	24 20	12 44	7 7
T 21	19 15	27 0	5 2	16 14	1 22	21 44	0 50	15 40	1 42	19 29	0 56	20 23	0 47	17 51	0 13	15 2	1 48	20 27	15 18	13 51	13 34	24 19	12 45	7 7
W22	19 1	27 54	4 37	15 36	1 16	21 31	0 52	15 51	1 43	19 31	0 57	20 24	0 47	17 51	0 13	15 3	1 48	20 26	15 18	13 51	13 35	24 17	12 46	7 7
T 23	18 47	27 29	4 0	14 57	1 11	21 18	0 54	16 2	1 44	19 33	0 57	20 25	0 47	17 51	0 13	15 3	1 48	20 25	15 18	13 52	13 36	24 15	12 46	7 7
F 24	18 33	25 49	3 12	14 17	1 5	21 4	0 56	16 13	1 44	19 35	0 57	20 26	0 47	17 51	0 13	15 3	1 48	20 24	15 17	13 53	13 37	24 13	12 47	7 7
S 25	18 18	23 0	2 17	13 37	0 59	20 49	0 58	16 23	1 45	19 37	0 57	20 27	0 47	17 51	0 13	15 3	1 48	20 23	15 17	13 54	13 38	24 11	12 48	7 7
S 26	18 3	19 14	1 16	12 57	0 52	20 34	0 59	16 34	1 45	19 39	0 57	20 28	0 47	17 51	0 13	15 3	1 48	20 22	15 17	13 54	13 39	24 9	12 49	7 6
M27	17 47	14 41	0 11	12 17	0 45	20 18	1 1	16 45	1 46	19 41	0 57	20 29	0 47	17 51	0 13	15 3	1 48	20 22	15 17	13 54	13 40	24 7	12 50	7 6
T 28	17 32	9 33	0s56	11 36	0 38	20 2	1 3	16 56	1 46	19 43	0 57	20 30	0 47	17 51	0 13	15 3	1 48	20 21	15 16	13 54	13 41	24 5	12 50	7 6
W29	17 16	4 1	2 0	10 56	0 30	19 45	1 4	17 7	1 47	19 45	0 57	20 32	0 47	17 51	0 13	15 3	1 48	20 20	15 16	13 54	13 42	24 3	12 51	7 6
T 30	16 59	1s44	3 0	10 15	0 23	19 27	1 6	17 18	1 47	19 47	0 57	20 33	0 47	17 51	0 13	15 3	1 48	20 19	15 16	13 54	13 43	24 2	12 52	7 6
F 31	16n43	7s31	3s52	9n34	0n15	19n 9	1n 7	17s29	1s48	19s49	0s58	20s34	0s47	17s51	0n13	15n 3	1s48	20n18	15n16	13s53	13s44	24n 0	12s53	7n 6

Julian Day Number = 2169035.5, Delta T = 12m29s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'15, Lahiri = 13°04'15 Julian Calendar 1 July 1226 == Greg. Calendar 8 July 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

AUGUST 1226 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 13	14♌54'35	22♎43	7♍30	10♌18	13♏27	5°R42	1°R58	20♏56	16♉19	14♍ 9	23♒ 4	23♒28	23♋45	1°R56	S 1
S 2	21 9 9	15°52'21	5♏47	8°58	11°32	14° 2	5♒35	1♒53	20°56	16°20	14°11	23° 4	23°25	23°51	1♒52	S 2
M 3	21 13 6	16°50'09	19°12	10°24	12°46	14°36	5°27	1°49	20°57	16°20	14°13	23°R 5	23°22	23°58	1°49	M 3
T 4	21 17 2	17°47'57	3♐ 1	11°48	14° 0	15°11	5°19	1°45	20°57	16°20	14°15	23° 4	23°19	24° 5	1°46	T 4
W 5	21 20 59	18°45'47	17°12	13°11	15°15	15°46	5°12	1°41	20°58	16°21	14°17	23° 4	23°16	24°11	1°43	W 5
T 6	21 24 55	19°43'38	1♑45	14°32	16°29	16°22	5° 5	1°36	20°58	16°21	14°19	23° 4	23°12	24°18	1°40	T 6
F 7	21 28 52	20°41'30	16°35	15°52	17°43	16°57	4°57	1°32	20°59	16°21	14°21	23° 3	23° 9	24°25	1°37	F 7
S 8	21 32 49	21°39'24	1♒36	17°10	18°57	17°33	4°50	1°28	21° 0	16°21	14°23	23° 3	23° 6	24°31	1°34	S 8
S 9	21 36 45	22°37'19	16°40	18°26	20°12	18° 9	4°43	1°24	21° 1	16°21	14°25	23° 3	23° 3	24°38	1°31	S 9
M10	21 40 42	23°35'15	1♓38	19°40	21°26	18°45	4°36	1°20	21° 2	16°21	14°27	23° 3	23° 0	24°45	1°28	M10
T 11	21 44 38	24°33'14	16°22	20°52	22°41	19°21	4°29	1°16	21° 3	16°21	14°29	23° 3	22°56	24°51	1°25	T 11
W12	21 48 35	25°31'13	0♈45	22° 3	23°55	19°58	4°22	1°12	21° 4	16°22	14°31	23° 3	22°53	24°58	1°22	W12
T 13	21 52 31	26°29'15	14°44	23°11	25° 9	20°34	4°16	1° 9	21° 5	16°R22	14°33	23° 3	22°50	25° 5	1°20	T 13
F 14	21 56 28	27°27'19	28°16	24°18	26°24	21°11	4° 9	1° 5	21° 6	16°22	14°36	23° 2	22°47	25°11	1°17	F 14
S 15	22 0 24	28°25'25	11♉23	25°22	27°38	21°48	4° 2	1° 1	21° 7	16°21	14°38	23° 2	22°44	25°18	1°14	S 15
S 16	22 4 21	29°23'32	24° 6	26°23	28°53	22°26	3°56	0°57	21° 8	16°21	14°40	23°D 2	22°41	25°25	1°11	S 16
M17	22 8 18	0♍21'42	6♊30	27°22	0♍ 7	23° 3	3°50	0°54	21° 9	16°21	14°42	23° 2	22°37	25°31	1° 9	M17
T 18	22 12 14	1°19'54	18°38	28°19	1°22	23°41	3°44	0°50	21°10	16°21	14°44	23° 2	22°34	25°38	1° 6	T 18
W19	22 16 11	2°18'08	0♋35	29°12	2°36	24°19	3°38	0°47	21°12	16°21	14°46	23° 3	22°31	25°45	1° 3	W19
T 20	22 20 7	3°16'24	12°25	0♎ 3	3°51	24°57	3°32	0°43	21°13	16°21	14°49	23° 4	22°28	25°51	1° 1	T 20
F 21	22 24 4	4°14'42	24°14	0°50	5° 6	25°35	3°26	0°40	21°15	16°20	14°51	23° 5	22°25	25°58	0°58	F 21
S 22	22 28 0	5°13'02	6♌ 3	1°34	6°20	26°13	3°20	0°37	21°16	16°20	14°53	23° 6	22°22	26° 5	0°56	S 22
S 23	22 31 57	6°11'24	17°57	2°15	7°35	26°52	3°15	0°34	21°18	16°20	14°55	23°R 6	22°18	26°11	0°53	S 23
M24	22 35 53	7° 9'48	29°57	2°51	8°50	27°30	3°10	0°30	21°19	16°20	14°57	23° 6	22°15	26°18	0°51	M24
T 25	22 39 50	8° 8'13	12♍ 7	3°23	10° 4	28° 9	3° 5	0°27	21°21	16°19	15° 0	23° 5	22°12	26°25	0°48	T 25
W26	22 43 46	9° 6'41	24°28	3°50	11°19	28°48	3° 0	0°24	21°22	16°19	15° 2	23° 4	22° 9	26°31	0°46	W26
T 27	22 47 43	10° 5'10	7♎ 1	4°13	12°34	29°28	2°55	0°21	21°24	16°18	15° 4	23° 1	22° 6	26°38	0°44	T 27
F 28	22 51 40	11° 3'41	19°46	4°30	13°48	0♐ 7	2°50	0°19	21°26	16°18	15° 6	22°59	22° 2	26°45	0°42	F 28
S 29	22 55 36	12° 2'14	2♏46	4°42	15° 3	0°46	2°46	0°16	21°28	16°17	15° 9	22°56	21°59	26°51	0°40	S 29
S 30	22 59 33	13° 0'49	16° 0	4°R48	16°18	1°26	2°41	0°13	21°30	16°17	15°11	22°54	21°56	26°58	0°37	S 30
M31	23 3 29	13♍59'26	29♏29	4♎47	17♍32	2♐ 6	2♒37	0♒10	21♏31	16♉16	15♍13	22♒52	21♒53	27♋ 5	0♒35	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n26	13s 6	4s34	8n54	0n 7	18n50	1n 9	17s40	1s48	19s51	0s58	20s35	0s47	17s51	0n13	15n 4	1s48	20n17	15n16	13s53	13s45	23n58	12s54	7n 6
S 2	16 9	18 16	5 3	8 13	0s 1	18 31	1 10	17 51	1 49	19 53	0 58	20 36	0 47	17 52	0 13	15 4	1 48	20 16	15 15	13 53	13 46	23 56	12 54	7 6
M 3	15 51	22 40	5 17	7 33	0 10	18 11	1 11	18 1	1 49	19 55	0 58	20 37	0 48	17 52	0 13	15 4	1 49	20 15	15 15	13 53	13 47	23 54	12 55	7 5
T 4	15 34	25 58	5 13	6 53	0 19	17 51	1 13	18 12	1 49	19 57	0 58	20 38	0 48	17 52	0 13	15 4	1 49	20 14	15 15	13 53	13 48	23 52	12 56	7 5
W 5	15 16	27 44	4 50	6 13	0 27	17 30	1 14	18 23	1 50	19 59	0 58	20 39	0 48	17 52	0 13	15 4	1 49	20 13	15 15	13 53	13 49	23 50	12 57	7 5
T 6	14 58	27 40	4 8	5 33	0 36	17 9	1 15	18 34	1 50	20 1	0 58	20 40	0 48	17 52	0 13	15 4	1 49	20 12	15 15	13 53	13 50	23 48	12 58	7 5
F 7	14 39	25 38	3 9	4 54	0 45	16 47	1 16	18 44	1 51	20 3	0 58	20 41	0 48	17 52	0 13	15 4	1 49	20 11	15 15	13 53	13 52	23 46	12 59	7 5
S 8	14 21	21 47	1 56	4 16	0 54	16 25	1 17	18 55	1 51	20 5	0 58	20 42	0 48	17 53	0 13	15 4	1 49	20 10	15 15	13 53	13 53	23 44	12 59	7 5
S 9	14 2	16 28	0 35	3 37	1 3	16 3	1 18	19 5	1 51	20 6	0 58	20 43	0 48	17 53	0 13	15 4	1 49	20 9	15 14	13 53	13 54	23 42	13 0	7 4
M10	13 43	10 12	0n48	3 0	1 13	15 40	1 19	19 16	1 52	20 8	0 58	20 44	0 48	17 53	0 13	15 4	1 49	20 8	15 14	13 53	13 55	23 40	13 1	7 4
T 11	13 24	3 28	2 6	2 23	1 22	15 16	1 20	19 26	1 52	20 10	0 58	20 44	0 48	17 53	0 13	15 4	1 49	20 7	15 14	13 53	13 56	23 38	13 2	7 4
W12	13 4	3n16	3 15	1 46	1 31	14 52	1 20	19 36	1 52	20 12	0 58	20 45	0 48	17 54	0 13	15 4	1 49	20 6	15 14	13 54	13 57	23 36	13 3	7 4
T 13	12 44	9 39	4 9	1 11	1 41	14 28	1 21	19 47	1 52	20 13	0 58	20 46	0 48	17 54	0 13	15 4	1 49	20 5	15 14	13 54	13 58	23 34	13 4	7 3
F 14	12 24	15 23	4 48	0 36	1 50	14 3	1 22	19 57	1 53	20 15	0 58	20 47	0 48	17 54	0 13	15 3	1 49	20 4	15 14	13 54	13 59	23 32	13 4	7 3
S 15	12 4	20 14	5 11	0 2	1 59	13 38	1 22	20 7	1 53	20 17	0 59	20 48	0 48	17 55	0 13	15 3	1 49	20 4	15 14	13 54	14 0	23 30	13 5	7 3
S 16	11 44	24 0	5 17	0s31	2 8	13 12	1 23	20 17	1 53	20 18	0 59	20 49	0 48	17 55	0 13	15 3	1 49	20 3	15 14	13 54	14 1	23 28	13 6	7 3
M17	11 24	26 33	5 9	1 3	2 18	12 47	1 23	20 27	1 53	20 20	0 59	20 50	0 48	17 55	0 13	15 3	1 49	20 2	15 14	13 54	14 2	23 26	13 7	7 2
T 18	11 3	27 48	4 46	1 34	2 27	12 20	1 24	20 36	1 54	20 21	0 59	20 51	0 48	17 56	0 13	15 3	1 49	20 1	15 14	13 54	14 3	23 24	13 8	7 2
W19	10 42	27 44	4 12	2 4	2 36	11 54	1 24	20 46	1 54	20 22	0 59	20 51	0 48	17 56	0 13	15 3	1 49	20 0	15 14	13 54	14 4	23 22	13 9	7 2
T 20	10 21	26 24	3 27	2 32	2 44	11 27	1 24	20 56	1 54	20 24	0 59	20 52	0 48	17 56	0 13	15 3	1 50	19 59	15 13	13 53	14 5	23 20	13 9	7 2
F 21	10 0	23 53	2 33	2 59	2 53	11 0	1 25	21 5	1 54	20 25	0 59	20 53	0 48	17 57	0 13	15 3	1 50	19 58	15 13	13 53	14 6	23 18	13 10	7 1
S 22	9 38	20 21	1 33	3 24	3 1	10 32	1 25	21 14	1 54	20 27	0 59	20 54	0 48	17 57	0 13	15 3	1 50	19 57	15 13	13 53	14 7	23 16	13 11	7 1
S 23	9 17	15 58	0 29	3 47	3 9	10 4	1 25	21 24	1 54	20 28	0 59	20 54	0 48	17 58	0 12	15 3	1 50	19 56	15 13	13 53	14 8	23 14	13 12	7 1
M24	8 55	10 57	0s38	4 9	3 17	9 36	1 25	21 33	1 55	20 29	0 59	20 55	0 49	17 58	0 12	15 2	1 50	19 55	15 13	13 53	14 9	23 12	13 13	7 0
T 25	8 33	5 27	1 43	4 28	3 24	9 8	1 25	21 42	1 55	20 30	0 59	20 56	0 49	17 58	0 12	15 2	1 50	19 54	15 13	13 53	14 10	23 10	13 13	7 0
W26	8 11	0s19	2 45	4 45	3 31	8 39	1 25	21 51	1 55	20 31	0 59	20 56	0 49	17 59	0 12	15 2	1 50	19 54	15 13	13 53	14 11	23 8	13 14	7 0
T 27	7 49	6 9	3 39	5 0	3 37	8 10	1 24	21 59	1 55	20 32	0 59	20 57	0 49	17 59	0 12	15 2	1 50	19 53	15 13	13 54	14 12	23 6	13 15	6 59
F 28	7 27	11 50	4 24	5 12	3 43	7 41	1 24	22 8	1 55	20 34	0 59	20 58	0 49	18 0	0 12	15 2	1 50	19 52	15 13	13 55	14 13	23 4	13 16	6 59
S 29	7 5	17 6	4 56	5 21	3 48	7 12	1 24	22 16	1 55	20 35	0 59	20 58	0 49	18 0	0 12	15 1	1 50	19 51	15 13	13 56	14 14	23 1	13 17	6 59
S 30	6 42	21 41	5 13	5 27	3 52	6 43	1 23	22 25	1 55	20 36	0 59	20 59	0 49	18 1	0 12	15 1	1 50	19 50	15 13	13 57	14 15	22 59	13 17	6 58
M31	6n19	25s13	5s13	5s30	3s55	6n13	1n23	22s33	1s55	20s36	0s59	21s 0	0s49	18s 1	0n12	15n 1	1s50	19n49	15n13	13s57	14s16	22n57	13s18	6n58

Julian Day Number = 2169066.5, Delta T = 12m29s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'19, Lahiri = 13°04'20 Julian Calendar 1 Aug. 1226 == Greg. Calendar 8 Aug. 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

SEPTEMBER 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 26	14♍58'04	13♐14	4°R40	18♍47	2♐46	2°R33	0°R 8	21♏33	16°R16	15♍15	22°D52	21♒50	27♋11	0°R33	T 1
W 2	23 11 22	15°56'44	27°15	4♎26	20° 2	3°26	2♒30	0♒ 5	21°35	16♉15	15°17	22♒52	21°47	27°18	0♒31	W 2
T 3	23 15 19	16°55'25	11♑30	4° 5	21°17	4° 6	2°26	0° 3	21°37	16°14	15°20	22°53	21°43	27°25	0°30	T 3
F 4	23 19 15	17°54'09	25°59	3°37	22°31	4°47	2°23	0° 1	21°40	16°14	15°22	22°55	21°40	27°31	0°28	F 4
S 5	23 23 12	18°52'54	10♒37	3° 1	23°46	5°27	2°19	29♑59	21°42	16°13	15°24	22°56	21°37	27°38	0°26	S 5
S 6	23 27 9	19°51'41	25°19	2°19	25° 1	6° 8	2°16	29°57	21°44	16°12	15°26	22°R56	21°34	27°45	0°24	S 6
M 7	23 31 5	20°50'29	9♓59	1°30	26°16	6°49	2°13	29°55	21°46	16°11	15°29	22°55	21°31	27°51	0°23	M 7
T 8	23 35 2	21°49'20	24°31	0°35	27°30	7°29	2°11	29°53	21°48	16°11	15°31	22°53	21°27	27°58	0°21	T 8
W 9	23 38 58	22°48'12	8♈48	29♍34	28°45	8°10	2° 8	29°51	21°51	16°10	15°33	22°49	21°24	28° 5	0°19	W 9
T 10	23 42 55	23°47'07	22°46	28°30	0♎ 0	8°52	2° 6	29°49	21°53	16° 9	15°35	22°45	21°21	28°11	0°18	T 10
F 11	23 46 51	24°46'04	6♉20	27°23	1°15	9°33	2° 4	29°47	21°55	16° 8	15°37	22°40	21°18	28°18	0°16	F 11
S 12	23 50 48	25°45'03	19°30	26°15	2°30	10°14	2° 2	29°46	21°58	16° 7	15°40	22°35	21°15	28°25	0°15	S 12
S 13	23 54 44	26°44'05	2♊16	25° 7	3°45	10°56	2° 0	29°44	22° 0	16° 6	15°42	22°31	21°12	28°31	0°14	S 13
M14	23 58 41	27°43'09	14°42	24° 2	4°59	11°37	1°59	29°43	22° 3	16° 5	15°44	22°29	21° 8	28°38	0°13	M14
T 15	0 2 38	28°42'16	26°51	23° 1	6°14	12°19	1°57	29°42	22° 5	16° 4	15°46	22°D28	21° 5	28°44	0°11	T 15
W16	0 6 34	29°41'24	8♋48	22° 6	7°29	13° 1	1°56	29°41	22° 8	16° 3	15°48	22°28	21° 2	28°51	0°10	W16
T 17	0 10 31	0♎40'35	20°38	21°19	8°44	13°43	1°55	29°40	22°10	16° 2	15°51	22°29	20°59	28°58	0° 9	T 17
F 18	0 14 27	1°39'49	2♌27	20°40	9°59	14°25	1°55	29°39	22°13	16° 1	15°53	22°31	20°56	29° 4	0° 8	F 18
S 19	0 18 24	2°39'04	14°18	20°11	11°14	15° 7	1°54	29°38	22°16	16° 0	15°55	22°32	20°53	29°11	0° 7	S 19
S 20	0 22 20	3°38'22	26°16	19°52	12°29	15°50	1°54	29°37	22°18	15°59	15°57	22°R33	20°49	29°18	0° 7	S 20
M21	0 26 17	4°37'42	8♍26	19°D44	13°44	16°32	1°D54	29°36	22°21	15°57	15°59	22°31	20°46	29°24	0° 6	M21
T 22	0 30 13	5°37'04	20°48	19°47	14°58	17°15	1°54	29°36	22°24	15°56	16° 1	22°28	20°43	29°31	0° 5	T 22
W23	0 34 10	6°36'29	3♎26	20° 0	16°13	17°57	1°54	29°35	22°27	15°55	16° 4	22°22	20°40	29°38	0° 4	W23
T 24	0 38 7	7°35'55	16°19	20°24	17°28	18°40	1°55	29°35	22°30	15°54	16° 6	22°15	20°37	29°44	0° 4	T 24
F 25	0 42 3	8°35'24	29°28	20°57	18°43	19°23	1°55	29°35	22°32	15°53	16° 8	22° 7	20°33	29°51	0° 3	F 25
S 26	0 46 0	9°34'54	12♏50	21°40	19°58	20° 6	1°56	29°35	22°35	15°51	16°10	21°59	20°30	29°58	0° 3	S 26
S 27	0 49 56	10°34'27	26°24	22°31	21°13	20°49	1°57	29°D34	22°38	15°50	16°12	21°52	20°27	0♌ 4	0° 2	S 27
M28	0 53 53	11°34'01	10♐ 8	23°29	22°28	21°32	1°58	29°35	22°41	15°49	16°14	21°46	20°24	0°11	0° 2	M28
T 29	0 57 49	12°33'38	24° 1	24°34	23°43	22°16	2° 0	29°35	22°44	15°47	16°16	21°42	20°21	0°18	0° 2	T 29
W30	1 1 46	13♎33'16	8♑ 1	25♍45	24♎58	22♐59	2♒ 2	29♑35	22♏47	15♉46	16♍18	21°D40	20♒18	0♌24	0♒ 2	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n57	27s22	4s56	5s29	3s57	5n43	1n22	22s41	1s55	20s37	0s58	21s 0	0s49	18s 2	0n12	15n 1	1s50	19n48	15n13	13s57	14s17	22n55	13s19	6n58
W 2	5 34	27 51	4 20	5 24	3 58	5 13	1 22	22 49	1 55	20 38	0 58	21 1	0 49	18 2	0 12	15 1	1 50	19 48	15 14	13 57	14 18	22 53	13 20	6 57
T 3	5 11	26 30	3 29	5 16	3 58	4 43	1 21	22 57	1 55	20 39	0 58	21 1	0 49	18 3	0 12	15 0	1 50	19 47	15 14	13 57	14 20	22 51	13 21	6 57
F 4	4 48	23 23	2 23	5 3	3 56	4 13	1 21	23 4	1 55	20 40	0 58	21 2	0 49	18 4	0 12	15 0	1 50	19 46	15 14	13 56	14 21	22 49	13 21	6 56
S 5	4 25	18 44	1 7	4 45	3 52	3 42	1 20	23 11	1 55	20 40	0 58	21 2	0 49	18 4	0 12	15 0	1 50	19 45	15 14	13 56	14 22	22 47	13 22	6 56
S 6	4 2	12 56	0n13	4 23	3 47	3 12	1 19	23 19	1 55	20 41	0 58	21 3	0 49	18 5	0 12	15 0	1 50	19 44	15 14	13 56	14 23	22 45	13 23	6 56
M 7	3 39	6 26	1 32	3 57	3 40	2 41	1 18	23 26	1 55	20 42	0 58	21 3	0 49	18 5	0 12	14 59	1 50	19 43	15 14	13 56	14 24	22 42	13 23	6 55
T 8	3 15	0n20	2 45	3 27	3 31	2 10	1 17	23 33	1 55	20 42	0 58	21 4	0 49	18 6	0 12	14 59	1 51	19 43	15 14	13 57	14 25	22 40	13 24	6 55
W 9	2 52	6 57	3 45	2 53	3 20	1 40	1 16	23 39	1 55	20 43	0 58	21 4	0 49	18 7	0 12	14 59	1 51	19 42	15 14	13 58	14 26	22 38	13 25	6 54
T 10	2 29	13 4	4 31	2 15	3 7	1 9	1 15	23 46	1 55	20 43	0 58	21 4	0 49	18 7	0 12	14 58	1 51	19 41	15 14	14 0	14 27	22 36	13 26	6 54
F 11	2 5	18 24	5 0	1 35	2 52	0 38	1 14	23 52	1 55	20 44	0 58	21 5	0 49	18 8	0 12	14 58	1 51	19 40	15 14	14 1	14 28	22 34	13 26	6 54
S 12	1 42	22 40	5 12	0 53	2 36	0 7	1 13	23 58	1 55	20 44	0 58	21 5	0 49	18 8	0 12	14 58	1 51	19 40	15 14	14 3	14 29	22 32	13 27	6 53
S 13	1 18	25 44	5 8	0 10	2 18	0s24	1 12	24 4	1 55	20 44	0 58	21 5	0 49	18 9	0 12	14 58	1 51	19 39	15 15	14 4	14 30	22 29	13 28	6 53
M14	0 55	27 27	4 49	0n34	1 59	0 55	1 10	24 10	1 54	20 45	0 58	21 6	0 49	18 10	0 12	14 57	1 51	19 38	15 15	14 5	14 31	22 27	13 28	6 52
T 15	0 31	27 48	4 18	1 16	1 39	1 26	1 9	24 15	1 54	20 45	0 58	21 6	0 49	18 10	0 12	14 57	1 51	19 37	15 15	14 5	14 32	22 25	13 29	6 52
W16	0 7	26 50	3 36	1 57	1 19	1 57	1 8	24 21	1 54	20 45	0 58	21 6	0 49	18 11	0 12	14 57	1 51	19 37	15 15	14 5	14 33	22 23	13 30	6 51
T 17	0s16	24 40	2 45	2 34	0 58	2 28	1 6	24 26	1 54	20 45	0 58	21 6	0 49	18 12	0 12	14 56	1 51	19 36	15 15	14 5	14 34	22 21	13 30	6 51
F 18	0 40	21 26	1 47	3 8	0 38	2 59	1 5	24 31	1 54	20 45	0 58	21 7	0 49	18 12	0 12	14 56	1 51	19 35	15 15	14 4	14 35	22 19	13 31	6 51
S 19	1 4	17 19	0 45	3 37	0 18	3 30	1 3	24 35	1 54	20 45	0 58	21 7	0 49	18 13	0 12	14 55	1 51	19 35	15 16	14 4	14 36	22 16	13 32	6 50
S 20	1 27	12 30	0s20	4 2	0n 0	4 1	1 1	24 40	1 53	20 45	0 57	21 7	0 49	18 14	0 12	14 55	1 51	19 34	15 16	14 3	14 37	22 14	13 32	6 50
M21	1 51	7 8	1 25	4 22	0 18	4 31	1 0	24 44	1 53	20 45	0 57	21 7	0 49	18 15	0 12	14 55	1 51	19 33	15 16	14 4	14 38	22 12	13 33	6 49
T 22	2 14	1 24	2 27	4 36	0 34	5 2	0 58	24 48	1 53	20 45	0 57	21 7	0 49	18 15	0 12	14 54	1 51	19 33	15 16	14 5	14 39	22 10	13 33	6 49
W23	2 38	4s28	3 23	4 44	0 50	5 33	0 56	24 52	1 53	20 45	0 57	21 7	0 49	18 16	0 12	14 54	1 51	19 32	15 16	14 7	14 40	22 7	13 34	6 48
T 24	3 2	10 17	4 10	4 47	1 3	6 3	0 54	24 56	1 53	20 45	0 57	21 7	0 49	18 17	0 12	14 54	1 51	19 31	15 17	14 9	14 41	22 5	13 35	6 48
F 25	3 25	15 45	4 44	4 45	1 15	6 33	0 53	24 59	1 52	20 45	0 57	21 7	0 49	18 18	0 12	14 53	1 51	19 31	15 17	14 12	14 42	22 3	13 35	6 47
S 26	3 49	20 34	5 3	4 38	1 26	7 3	0 51	25 2	1 52	20 44	0 57	21 7	0 49	18 18	0 12	14 53	1 51	19 30	15 17	14 14	14 43	22 1	13 36	6 47
S 27	4 12	24 23	5 6	4 26	1 35	7 34	0 49	25 5	1 52	20 44	0 57	21 7	0 49	18 19	0 12	14 52	1 51	19 29	15 17	14 17	14 44	21 59	13 36	6 46
M28	4 36	26 52	4 52	4 10	1 43	8 3	0 47	25 8	1 52	20 44	0 57	21 7	0 49	18 20	0 12	14 52	1 51	19 29	15 18	14 19	14 45	21 56	13 37	6 46
T 29	4 59	27 44	4 20	3 50	1 49	8 33	0 45	25 10	1 51	20 43	0 57	21 7	0 49	18 21	0 12	14 52	1 51	19 28	15 18	14 20	14 46	21 54	13 37	6 46
W30	5s22	26s50	3s33	3n26	1n54	9s 3	0n43	25s12	1s51	20s43	0s57	21s 7	0s49	18s21	0n12	14n51	1s51	19n28	15n18	14s20	14s47	21n52	13s38	6n45

Julian Day Number = 2169097.5, Delta T = 12m29s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'23, Lahiri = 13°04'24 Julian Calendar 1 Sept. 1226 == Greg. Calendar 8 Sept. 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

OCTOBER 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 42	14♎32'56	22♑ 7	27♍ 1	26♎13	23♐42	2♒ 4	29♑35	22♏50	15°R45	16♍20	21♒40	20♒14	0♌31	0°R 2	T 1
F 2	1 9 39	15°32'37	6♒17	28°22	27°28	24°26	2° 6	29°36	22°54	15♉43	16°22	21°41	20°11	0°38	0°D 2	F 2
S 3	1 13 36	16°32'20	20°32	29°46	28°43	25°10	2° 8	29°36	22°57	15°42	16°24	21°R42	20° 8	0°44	0♒ 2	S 3
S 4	1 17 32	17°32'05	4♓47	1♎14	29°57	25°53	2°10	29°37	23° 0	15°40	16°26	21°41	20° 5	0°51	0° 2	S 4
M 5	1 21 29	18°31'52	19° 1	2°44	1♏12	26°37	2°13	29°38	23° 3	15°39	16°28	21°38	20° 2	0°58	0° 2	M 5
T 6	1 25 25	19°31'40	3♈10	4°17	2°27	27°21	2°16	29°38	23° 6	15°37	16°30	21°33	19°59	1° 4	0° 2	T 6
W 7	1 29 22	20°31'30	17° 8	5°51	3°42	28° 5	2°19	29°39	23° 9	15°36	16°32	21°25	19°55	1°11	0° 2	W 7
T 8	1 33 18	21°31'23	0♉52	7°27	4°57	28°49	2°22	29°40	23°13	15°34	16°34	21°15	19°52	1°18	0° 3	T 8
F 9	1 37 15	22°31'17	14°18	9° 3	6°12	29°33	2°26	29°42	23°16	15°33	16°36	21° 4	19°49	1°24	0° 3	F 9
S 10	1 41 11	23°31'13	27°23	10°41	7°27	0♑17	2°29	29°43	23°19	15°31	16°38	20°54	19°46	1°31	0° 4	S 10
S 11	1 45 8	24°31'12	10♊ 8	12°19	8°42	1° 1	2°33	29°44	23°23	15°30	16°40	20°44	19°43	1°37	0° 4	S 11
M12	1 49 5	25°31'13	22°34	13°58	9°57	1°46	2°37	29°46	23°26	15°28	16°41	20°37	19°39	1°44	0° 5	M12
T 13	1 53 1	26°31'16	4♋43	15°37	11°12	2°30	2°41	29°47	23°29	15°27	16°43	20°32	19°36	1°51	0° 6	T 13
W14	1 56 58	27°31'21	16°41	17°16	12°27	3°14	2°45	29°49	23°33	15°25	16°45	20°30	19°33	1°57	0° 7	W14
T 15	2 0 54	28°31'28	28°31	18°56	13°41	3°59	2°50	29°51	23°36	15°23	16°47	20°D29	19°30	2° 4	0° 7	T 15
F 16	2 4 51	29°31'37	10♌19	20°35	14°56	4°43	2°55	29°53	23°40	15°22	16°49	20°29	19°27	2°11	0° 8	F 16
S 17	2 8 47	0♏31'49	22°10	22°14	16°11	5°28	3° 0	29°55	23°43	15°20	16°50	20°R30	19°24	2°17	0° 9	S 17
S 18	2 12 44	1°32'02	4♍11	23°53	17°26	6°13	3° 5	29°57	23°47	15°19	16°52	20°29	19°20	2°24	0°10	S 18
M19	2 16 40	2°32'18	16°25	25°31	18°41	6°58	3°10	29°59	23°50	15°17	16°54	20°26	19°17	2°31	0°12	M19
T 20	2 20 37	3°32'35	28°57	27°10	19°56	7°42	3°15	0♒ 1	23°54	15°15	16°55	20°20	19°14	2°37	0°13	T 20
W21	2 24 33	4°32'55	11♎49	28°48	21°11	8°27	3°21	0° 3	23°57	15°14	16°57	20°12	19°11	2°44	0°14	W21
T 22	2 28 30	5°33'16	25° 1	0♏26	22°26	9°12	3°27	0° 6	24° 1	15°12	16°59	20° 1	19° 8	2°51	0°15	T 22
F 23	2 32 27	6°33'39	8♏33	2° 3	23°41	9°57	3°33	0° 8	24° 4	15°10	17° 0	19°49	19° 4	2°57	0°17	F 23
S 24	2 36 23	7°34'04	22°22	3°41	24°56	10°42	3°39	0°11	24° 8	15° 9	17° 2	19°36	19° 1	3° 4	0°18	S 24
S 25	2 40 20	8°34'31	6♐24	5°18	26°11	11°27	3°45	0°14	24°11	15° 7	17° 3	19°25	18°58	3°11	0°20	S 25
M26	2 44 16	9°34'59	20°33	6°54	27°26	12°13	3°52	0°16	24°15	15° 5	17° 5	19°15	18°55	3°17	0°21	M26
T 27	2 48 13	10°35'28	4♑45	8°31	28°40	12°58	3°58	0°19	24°19	15° 4	17° 7	19° 8	18°52	3°24	0°23	T 27
W28	2 52 9	11°35'59	18°57	10° 7	29°55	13°43	4° 5	0°22	24°22	15° 2	17° 8	19° 5	18°49	3°31	0°25	W28
T 29	2 56 6	12°36'32	3♒ 7	11°43	1♐10	14°29	4°12	0°25	24°26	15° 0	17° 9	19° 3	18°45	3°37	0°26	T 29
F 30	3 0 3	13°37'05	17°12	13°18	2°25	15°14	4°19	0°29	24°30	14°59	17°11	19° 3	18°42	3°44	0°28	F 30
S 31	3 3 59	14♏37'40	1♓12	14♏53	3♐40	15♑59	4♒26	0♒32	24♏33	14♉57	17♍12	19♒ 3	18♒39	3♌51	0♒30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s46	24s13	2s32	2n59	1n58	9s32	0n41	25s14	1s51	20s42	0s57	21s 7	0s49	18s22	0n12	14n51	1s51	19n27	15n18	14s20	14s48	21n50	13s38	6n45
F 2	6 9	20 6	1 22	2 30	2 1	10 1	0 38	25 16	1 50	20 42	0 57	21 7	0 49	18 23	0 12	14 50	1 52	19 27	15 19	14 20	14 49	21 47	13 39	6 44
S 3	6 32	14 48	0 6	1 58	2 2	10 30	0 36	25 17	1 50	20 41	0 56	21 7	0 49	18 24	0 12	14 50	1 52	19 26	15 19	14 20	14 50	21 45	13 39	6 44
S 4	6 55	8 43	1n10	1 23	2 3	10 58	0 34	25 18	1 50	20 41	0 56	21 7	0 49	18 25	0 12	14 49	1 52	19 25	15 19	14 20	14 51	21 43	13 40	6 43
M 5	7 18	2 12	2 21	0 47	2 3	11 27	0 32	25 19	1 49	20 40	0 56	21 7	0 49	18 26	0 12	14 49	1 52	19 25	15 20	14 21	14 52	21 40	13 40	6 43
T 6	7 40	4n22	3 23	0 9	2 2	11 55	0 30	25 20	1 49	20 39	0 56	21 7	0 49	18 26	0 12	14 48	1 52	19 24	15 20	14 23	14 53	21 38	13 40	6 42
W 7	8 3	10 38	4 12	0s30	2 0	12 23	0 27	25 20	1 49	20 38	0 56	21 6	0 49	18 27	0 12	14 48	1 52	19 24	15 20	14 26	14 54	21 36	13 41	6 42
T 8	8 26	16 16	4 45	1 10	1 58	12 50	0 25	25 20	1 48	20 38	0 56	21 6	0 49	18 28	0 12	14 48	1 52	19 24	15 20	14 29	14 55	21 34	13 41	6 41
F 9	8 48	20 59	5 2	1 51	1 55	13 17	0 23	25 20	1 48	20 37	0 56	21 6	0 49	18 29	0 12	14 47	1 52	19 23	15 21	14 32	14 56	21 31	13 42	6 41
S 10	9 10	24 33	5 2	2 32	1 51	13 44	0 20	25 20	1 47	20 36	0 56	21 6	0 49	18 30	0 12	14 47	1 52	19 23	15 21	14 36	14 57	21 29	13 42	6 40
S 11	9 32	26 47	4 47	3 15	1 47	14 11	0 18	25 19	1 47	20 35	0 56	21 5	0 49	18 31	0 12	14 46	1 52	19 22	15 21	14 39	14 58	21 27	13 42	6 40
M12	9 55	27 38	4 18	3 57	1 43	14 37	0 15	25 18	1 47	20 34	0 56	21 5	0 49	18 31	0 12	14 46	1 52	19 22	15 22	14 41	14 59	21 24	13 43	6 39
T 13	10 16	27 6	3 39	4 40	1 38	15 3	0 13	25 17	1 46	20 33	0 56	21 5	0 49	18 32	0 12	14 45	1 52	19 21	15 22	14 42	15 0	21 22	13 43	6 39
W14	10 38	25 18	2 50	5 22	1 33	15 28	0 11	25 16	1 46	20 32	0 56	21 4	0 49	18 33	0 12	14 45	1 52	19 21	15 23	14 43	15 1	21 20	13 43	6 38
T 15	11 0	22 25	1 54	6 5	1 28	15 53	0 8	25 14	1 45	20 31	0 55	21 4	0 49	18 34	0 12	14 44	1 52	19 21	15 23	14 43	15 2	21 17	13 44	6 38
F 16	11 21	18 36	0 54	6 48	1 22	16 18	0 6	25 12	1 45	20 29	0 55	21 4	0 49	18 35	0 12	14 44	1 52	19 20	15 23	14 43	15 3	21 15	13 44	6 37
S 17	11 42	14 2	0s 9	7 30	1 17	16 42	0 3	25 10	1 45	20 28	0 55	21 3	0 49	18 36	0 12	14 43	1 52	19 20	15 24	14 43	15 4	21 13	13 44	6 37
S 18	12 3	8 54	1 12	8 13	1 11	17 6	0 1	25 8	1 44	20 27	0 55	21 3	0 49	18 37	0 12	14 43	1 52	19 20	15 24	14 43	15 5	21 10	13 44	6 37
M19	12 24	3 20	2 13	8 55	1 5	17 29	0s 2	25 5	1 44	20 26	0 55	21 2	0 49	18 38	0 12	14 42	1 52	19 19	15 24	14 44	15 6	21 8	13 45	6 36
T 20	12 45	2s28	3 9	9 36	0 58	17 52	0 4	25 2	1 43	20 24	0 55	21 2	0 49	18 38	0 12	14 42	1 52	19 19	15 25	14 46	15 7	21 6	13 45	6 36
W21	13 6	8 19	3 57	10 17	0 52	18 15	0 7	24 59	1 43	20 23	0 55	21 1	0 49	18 39	0 12	14 41	1 52	19 19	15 25	14 49	15 8	21 3	13 45	6 35
T 22	13 26	13 57	4 33	10 58	0 45	18 37	0 10	24 55	1 42	20 21	0 55	21 1	0 49	18 40	0 12	14 41	1 52	19 18	15 26	14 52	15 9	21 1	13 45	6 35
F 23	13 46	19 4	4 55	11 38	0 39	18 58	0 12	24 51	1 42	20 20	0 55	21 0	0 49	18 41	0 11	14 40	1 52	19 18	15 26	14 56	15 10	20 58	13 45	6 34
S 24	14 6	23 16	5 0	12 18	0 32	19 19	0 15	24 47	1 41	20 18	0 55	21 0	0 49	18 42	0 11	14 40	1 52	19 18	15 26	15 0	15 11	20 56	13 45	6 34
S 25	14 25	26 11	4 48	12 57	0 25	19 39	0 17	24 43	1 41	20 17	0 55	20 59	0 49	18 43	0 11	14 39	1 52	19 18	15 27	15 4	15 12	20 54	13 46	6 33
M26	14 45	27 29	4 18	13 35	0 19	19 59	0 20	24 38	1 40	20 15	0 55	20 58	0 49	18 44	0 11	14 39	1 52	19 17	15 27	15 7	15 13	20 51	13 46	6 33
T 27	15 4	26 59	3 31	14 13	0 12	20 19	0 22	24 33	1 40	20 14	0 55	20 58	0 49	18 45	0 11	14 38	1 52	19 17	15 28	15 9	15 14	20 49	13 46	6 32
W28	15 23	24 42	2 32	14 50	0 5	20 37	0 25	24 28	1 39	20 12	0 54	20 57	0 49	18 46	0 11	14 38	1 52	19 17	15 28	15 10	15 15	20 47	13 46	6 32
T 29	15 41	20 54	1 23	15 26	0s 1	20 56	0 27	24 23	1 38	20 10	0 54	20 56	0 49	18 46	0 11	14 37	1 52	19 17	15 29	15 10	15 16	20 44	13 46	6 31
F 30	16 0	15 54	0 10	16 2	0 8	21 13	0 30	24 17	1 38	20 8	0 54	20 56	0 49	18 47	0 11	14 37	1 52	19 17	15 29	15 10	15 17	20 42	13 46	6 31
S 31	16s18	10s 6	1n 4	16s36	0s15	21s30	0s32	24s11	1s37	20s 7	0s54	20s55	0s49	18s48	0n11	14n36	1s52	19n17	15n30	15s11	15s18	20n39	13s46	6n31

Julian Day Number = 2169127.5, Delta T = 12m28s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'28, Lahiri = 13°04'28 Julian Calendar 1 Oct. 1226 == Greg. Calendar 8 Oct. 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

NOVEMBER 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 56	15♏38'16	15♓ 7	16♏28	4♐55	16♑45	4♒34	0♒35	24♏37	14°R55	17♍14	19°R 1	18♒36	3♌57	0♒32	S 1
M 2	3 11 52	16°38'53	28°56	18° 3	6°10	17°30	4°41	0°39	24°40	14♉53	17°15	18♒57	18°33	4° 4	0°34	M 2
T 3	3 15 49	17°39'31	12♈37	19°38	7°25	18°16	4°49	0°42	24°44	14°52	17°16	18°50	18°30	4°10	0°36	T 3
W 4	3 19 45	18°40'11	26°10	21°12	8°39	19° 1	4°57	0°46	24°48	14°50	17°18	18°40	18°26	4°17	0°39	W 4
T 5	3 23 42	19°40'51	9♉31	22°46	9°54	19°47	5° 5	0°50	24°52	14°48	17°19	18°27	18°23	4°24	0°41	T 5
F 6	3 27 38	20°41'34	22°39	24°21	11° 9	20°33	5°13	0°54	24°55	14°47	17°20	18°13	18°20	4°30	0°43	F 6
S 7	3 31 35	21°42'18	5♊31	25°54	12°24	21°18	5°21	0°57	24°59	14°45	17°21	18° 0	18°17	4°37	0°45	S 7
S 8	3 35 32	22°43'03	18° 7	27°28	13°39	22° 4	5°30	1° 1	25° 3	14°43	17°23	17°47	18°14	4°44	0°48	S 8
M 9	3 39 28	23°43'49	0♋28	29° 2	14°54	22°50	5°38	1° 5	25° 6	14°42	17°24	17°37	18°10	4°50	0°50	M 9
T 10	3 43 25	24°44'38	12°34	0♌35	16° 8	23°36	5°47	1°10	25°10	14°40	17°25	17°30	18° 7	4°57	0°53	T 10
W11	3 47 21	25°45'27	24°30	2° 9	17°23	24°21	5°56	1°14	25°14	14°38	17°26	17°26	18° 4	5° 4	0°55	W11
T 12	3 51 18	26°46'18	6♎19	3°42	18°38	25° 7	6° 5	1°18	25°17	14°37	17°27	17°24	18° 1	5°10	0°58	T 12
F 13	3 55 14	27°47'10	18° 6	5°16	19°53	25°53	6°14	1°22	25°21	14°35	17°28	17°D23	17°58	5°17	1° 1	F 13
S 14	3 59 11	28°48'04	29°57	6°49	21° 8	26°39	6°23	1°27	25°25	14°33	17°29	17°R23	17°55	5°24	1° 3	S 14
S 15	4 3 7	29°48'59	11♍56	8°22	22°22	27°25	6°33	1°31	25°28	14°32	17°30	17°23	17°51	5°30	1° 6	S 15
M16	4 7 4	0♐49'55	24°11	9°55	23°37	28°11	6°42	1°36	25°32	14°30	17°31	17°21	17°48	5°37	1° 9	M16
T 17	4 11 1	1°50'53	6♏44	11°29	24°52	28°57	6°52	1°41	25°36	14°28	17°32	17°16	17°45	5°44	1°12	T 17
W18	4 14 57	2°51'52	19°41	13° 2	26° 7	29°43	7° 2	1°46	25°40	14°27	17°33	17° 9	17°42	5°50	1°15	W18
T 19	4 18 54	3°52'52	3♏ 4	14°35	27°21	0♒29	7°11	1°50	25°43	14°25	17°34	16°59	17°39	5°57	1°18	T 19
F 20	4 22 50	4°53'54	16°51	16° 7	28°36	1°15	7°22	1°55	25°47	14°24	17°34	16°47	17°36	6° 3	1°21	F 20
S 21	4 26 47	5°54'56	1♐ 1	17°40	29°51	2° 1	7°32	2° 0	25°51	14°22	17°35	16°35	17°32	6°10	1°24	S 21
S 22	4 30 43	6°56'00	15°28	19°13	1♑ 6	2°47	7°42	2° 5	25°54	14°21	17°36	16°24	17°29	6°17	1°27	S 22
M23	4 34 40	7°57'04	0♑ 4	20°46	2°20	3°33	7°52	2°10	25°58	14°19	17°37	16°15	17°26	6°23	1°31	M23
T 24	4 38 36	8°58'09	14°44	22°18	3°35	4°20	8° 3	2°16	26° 1	14°18	17°37	16° 9	17°23	6°30	1°34	T 24
W25	4 42 33	9°59'14	29°20	23°50	4°50	5° 6	8°13	2°21	26° 5	14°16	17°38	16° 5	17°20	6°37	1°37	W25
T 26	4 46 30	11° 0'20	13♒46	25°22	6° 4	5°52	8°24	2°26	26° 9	14°15	17°39	16°D 4	17°16	6°43	1°40	T 26
F 27	4 50 26	12° 1'27	28° 1	26°53	7°19	6°38	8°35	2°32	26°12	14°13	17°39	16° 5	17°13	6°50	1°44	F 27
S 28	4 54 23	13° 2'33	12♓ 1	28°24	8°34	7°24	8°46	2°37	26°16	14°12	17°40	16°R 5	17°10	6°57	1°47	S 28
S 29	4 58 19	14° 3'40	25°48	29°55	9°48	8°10	8°57	2°43	26°19	14°10	17°40	16° 4	17° 7	7° 3	1°51	S 29
M30	5 2 16	15♐ 4'47	9♈22	1♑24	11♑ 3	8♒57	9♒ 8	2♒48	26♏23	14♉ 9	17♍41	16♒ 2	17♒ 4	7♌10	1♒54	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s36	3s51	2n13	17s10	0s21	21s47	0s35	24s 5	1s37	20s 5	0s54	20s54	0s49	18s49	0n11	14n36	1s52	19n16	15n30	15s11	15s19	20n37	13s46	6n30
M 2	16 53	2n32	3 14	17 44	0 28	22 2	0 37	23 59	1 36	20 3	0 54	20 54	0 49	18 50	0 11	14 35	1 52	19 16	15 31	15 12	15 20	20 35	13 46	6 30
T 3	17 10	8 44	4 3	18 16	0 34	22 17	0 40	23 52	1 36	20 1	0 54	20 53	0 49	18 51	0 11	14 35	1 52	19 16	15 31	15 15	15 21	20 32	13 46	6 29
W 4	17 27	14 27	4 37	18 47	0 40	22 32	0 42	23 45	1 35	19 59	0 54	20 52	0 49	18 52	0 11	14 34	1 52	19 16	15 31	15 18	15 22	20 30	13 46	6 29
T 5	17 44	19 24	4 56	19 18	0 47	22 46	0 44	23 38	1 34	19 57	0 54	20 51	0 49	18 53	0 11	14 34	1 52	19 16	15 32	15 22	15 23	20 27	13 46	6 28
F 6	18 0	23 19	4 59	19 47	0 53	22 59	0 47	23 31	1 34	19 55	0 54	20 50	0 49	18 54	0 11	14 33	1 52	19 16	15 32	15 26	15 24	20 25	13 46	6 28
S 7	18 16	26 0	4 46	20 16	0 59	23 11	0 49	23 23	1 33	19 53	0 54	20 49	0 49	18 55	0 11	14 33	1 52	19 16	15 33	15 30	15 25	20 22	13 46	6 28
S 8	18 32	27 19	4 20	20 44	1 5	23 23	0 52	23 15	1 33	19 51	0 54	20 49	0 49	18 55	0 11	14 32	1 52	19 16	15 33	15 34	15 26	20 20	13 46	6 27
M 9	18 47	27 14	3 41	21 10	1 11	23 34	0 54	23 7	1 32	19 48	0 54	20 48	0 49	18 56	0 11	14 32	1 52	19 16	15 34	15 37	15 27	20 17	13 46	6 27
T 10	19 2	25 49	2 53	21 36	1 16	23 45	0 56	22 58	1 31	19 46	0 53	20 47	0 49	18 57	0 11	14 32	1 52	19 16	15 34	15 39	15 28	20 15	13 46	6 26
W11	19 17	23 15	1 58	22 1	1 22	23 55	0 58	22 50	1 31	19 44	0 53	20 46	0 49	18 58	0 11	14 31	1 52	19 16	15 35	15 41	15 29	20 13	13 45	6 26
T 12	19 31	19 43	0 58	22 24	1 27	24 4	1 1	22 41	1 30	19 42	0 53	20 45	0 49	18 59	0 11	14 31	1 52	19 16	15 35	15 41	15 30	20 10	13 45	6 25
F 13	19 45	15 25	0s 4	22 47	1 32	24 12	1 3	22 31	1 29	19 39	0 53	20 44	0 49	19 0	0 11	14 30	1 52	19 16	15 36	15 41	15 31	20 8	13 45	6 25
S 14	19 59	10 30	1 6	23 8	1 37	24 19	1 5	22 22	1 29	19 37	0 53	20 43	0 49	19 1	0 11	14 30	1 52	19 16	15 36	15 41	15 32	20 5	13 45	6 25
S 15	20 12	5 10	2 6	23 28	1 41	24 26	1 7	22 12	1 28	19 34	0 53	20 42	0 49	19 2	0 11	14 29	1 52	19 16	15 37	15 41	15 33	20 3	13 45	6 24
M16	20 25	0s28	3 2	23 47	1 46	24 32	1 9	22 2	1 28	19 32	0 53	20 41	0 49	19 3	0 11	14 29	1 52	19 16	15 38	15 42	15 34	20 0	13 44	6 24
T 17	20 37	6 13	3 50	24 4	1 50	24 38	1 11	21 52	1 27	19 29	0 53	20 40	0 49	19 4	0 11	14 28	1 52	19 17	15 38	15 44	15 35	19 58	13 44	6 24
W18	20 49	11 52	4 28	24 21	1 54	24 42	1 13	21 42	1 26	19 27	0 53	20 39	0 49	19 4	0 11	14 28	1 52	19 17	15 39	15 46	15 36	19 55	13 44	6 23
T 19	21 1	17 10	4 53	24 36	1 58	24 46	1 15	21 31	1 26	19 24	0 53	20 38	0 49	19 5	0 11	14 27	1 52	19 17	15 39	15 49	15 37	19 53	13 44	6 23
F 20	21 12	21 45	5 2	24 49	2 1	24 49	1 17	21 21	1 25	19 22	0 53	20 37	0 49	19 6	0 11	14 27	1 52	19 17	15 40	15 52	15 38	19 50	13 43	6 22
S 21	21 23	25 13	4 53	25 2	2 4	24 51	1 19	21 10	1 24	19 19	0 53	20 35	0 49	19 7	0 11	14 27	1 52	19 17	15 40	15 56	15 39	19 48	13 43	6 22
S 22	21 34	27 8	4 24	25 13	2 7	24 53	1 21	20 58	1 23	19 16	0 53	20 34	0 49	19 8	0 11	14 26	1 52	19 17	15 41	15 59	15 40	19 45	13 43	6 22
M23	21 44	27 11	3 39	25 22	2 10	24 54	1 22	20 47	1 23	19 14	0 53	20 33	0 49	19 9	0 11	14 26	1 52	19 18	15 41	16 2	15 40	19 43	13 42	6 21
T 24	21 53	25 21	2 39	25 30	2 12	24 54	1 24	20 35	1 22	19 11	0 53	20 32	0 49	19 10	0 11	14 25	1 52	19 18	15 42	16 4	15 41	19 40	13 42	6 21
W25	22 3	21 49	1 28	25 37	2 13	24 53	1 26	20 23	1 21	19 8	0 53	20 31	0 49	19 11	0 11	14 25	1 51	19 18	15 42	16 5	15 42	19 38	13 42	6 21
T 26	22 11	16 58	0 12	25 42	2 15	24 51	1 27	20 11	1 21	19 5	0 53	20 30	0 49	19 11	0 11	14 24	1 51	19 18	15 43	16 5	15 43	19 35	13 41	6 20
F 27	22 20	11 14	1n 3	25 46	2 15	24 49	1 29	19 59	1 20	19 2	0 53	20 28	0 49	19 12	0 11	14 24	1 51	19 19	15 43	16 5	15 44	19 33	13 41	6 20
S 28	22 28	5 1	2 14	25 48	2 16	24 46	1 30	19 46	1 19	18 59	0 52	20 27	0 49	19 13	0 11	14 24	1 51	19 19	15 44	16 5	15 45	19 30	13 40	6 20
S 29	22 35	1n19	3 15	25 48	2 16	24 42	1 32	19 34	1 18	18 56	0 52	20 26	0 49	19 14	0 11	14 23	1 51	19 19	15 45	16 5	15 46	19 28	13 40	6 19
M30	22s42	7n29	4n 5	25s47	2s15	24s37	1s33	19s21	1s18	18s53	0s52	20s25	0s49	19s15	0n11	14n23	1s51	19n19	15n45	16s 6	15s47	19n25	13s40	6n19

Julian Day Number = 2169158.5, Delta T = 12m28s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'32, Lahiri = 13°04'32 Julian Calendar 1 Nov. 1226 == Greg. Calendar 8 Nov. 1226

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ASTRODIENST EPHEMERIS for the year 1226
geocentric

DECEMBER 1226 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 12	16♐ 5'55	22♈44	2♑53	12♑18	9♒43	9♒19	2♒54	26♏27	14°R 7	17♍41	15°R56	17♒ 1	7♌17	1♒58	T 1
W 2	5 10 9	17° 7'03	5♉53	4°21	13°32	10°29	9°31	2°59	26°30	14♉ 6	17°42	15♒49	16°57	7°23	2° 2	W 2
T 3	5 14 5	18° 8'11	18°51	5°47	14°47	11°15	9°42	3° 5	26°34	14° 5	17°42	15°39	16°54	7°30	2° 5	T 3
F 4	5 18 2	19° 9'19	1♊36	7°12	16° 1	12° 1	9°54	3°11	26°37	14° 3	17°42	15°28	16°51	7°37	2° 9	F 4
S 5	5 21 59	20°10'28	14°10	8°35	17°16	12°48	10° 5	3°17	26°41	14° 2	17°43	15°17	16°48	7°43	2°13	S 5
S 6	5 25 55	21°11'37	26°32	9°57	18°30	13°34	10°17	3°23	26°44	14° 1	17°43	15° 7	16°45	7°50	2°17	S 6
M 7	5 29 52	22°12'47	8♋43	11°15	19°45	14°20	10°29	3°29	26°47	14° 0	17°43	14°59	16°42	7°57	2°20	M 7
T 8	5 33 48	23°13'57	20°43	12°31	20°59	15° 6	10°41	3°35	26°51	13°58	17°43	14°54	16°38	8° 3	2°24	T 8
W 9	5 37 45	24°15'07	2♌36	13°43	22°14	15°53	10°53	3°41	26°54	13°57	17°44	14°51	16°35	8°10	2°28	W 9
T 10	5 41 41	25°16'18	14°23	14°51	23°28	16°39	11° 5	3°47	26°58	13°56	17°44	14°D50	16°32	8°16	2°32	T 10
F 11	5 45 38	26°17'28	26° 9	15°54	24°42	17°25	11°17	3°53	27° 1	13°55	17°44	14°50	16°29	8°23	2°36	F 11
S 12	5 49 35	27°18'40	7♍59	16°52	25°57	18°11	11°29	3°59	27° 4	13°54	17°44	14°52	16°26	8°30	2°40	S 12
S 13	5 53 31	28°19'51	19°57	17°44	27°11	18°57	11°41	4° 6	27° 8	13°53	17°R44	14°53	16°22	8°36	2°44	S 13
M14	5 57 28	29°21'03	2♎ 8	18°29	28°25	19°44	11°54	4°12	27°11	13°51	17°44	14°R53	16°19	8°43	2°48	M14
T 15	6 1 24	0♑22'15	14°39	19° 6	29°40	20°30	12° 6	4°18	27°14	13°50	17°44	14°52	16°16	8°50	2°52	T 15
W16	6 5 21	1°23'28	27°32	19°34	0♒54	21°16	12°19	4°25	27°17	13°49	17°44	14°49	16°13	8°56	2°56	W16
T 17	6 9 17	2°24'41	10♏53	19°52	2° 8	22° 2	12°31	4°31	27°21	13°48	17°44	14°44	16°10	9° 3	3° 1	T 17
F 18	6 13 14	3°25'54	24°42	19°R59	3°22	22°48	12°44	4°38	27°24	13°47	17°44	14°38	16° 7	9°10	3° 5	F 18
S 19	6 17 10	4°27'07	8♐57	19°56	4°36	23°34	12°57	4°44	27°27	13°46	17°43	14°31	16° 3	9°16	3° 9	S 19
S 20	6 21 7	5°28'20	23°36	19°40	5°51	24°21	13°10	4°51	27°30	13°45	17°43	14°25	16° 0	9°23	3°13	S 20
M21	6 25 4	6°29'33	8♑31	19°13	7° 5	25° 7	13°23	4°58	27°33	13°45	17°43	14°19	15°57	9°30	3°17	M21
T 22	6 29 0	7°30'45	23°33	18°34	8°19	25°53	13°36	5° 4	27°36	13°44	17°43	14°16	15°54	9°36	3°22	T 22
W23	6 32 57	8°31'58	8♒34	17°44	9°33	26°39	13°49	5°11	27°39	13°43	17°42	14°D14	15°51	9°43	3°26	W23
T 24	6 36 53	9°33'09	23°25	16°45	10°47	27°25	14° 2	5°18	27°42	13°42	17°42	14°15	15°48	9°50	3°30	T 24
F 25	6 40 50	10°34'20	8♓ 0	15°37	12° 1	28°11	14°15	5°24	27°45	13°41	17°42	14°16	15°44	9°56	3°35	F 25
S 26	6 44 46	11°35'30	22°15	14°23	13°15	28°57	14°28	5°31	27°48	13°41	17°41	14°17	15°41	10° 3	3°39	S 26
S 27	6 48 43	12°36'40	6♈ 8	13° 5	14°29	29°43	14°42	5°38	27°51	13°40	17°41	14°R18	15°38	10° 9	3°44	S 27
M28	6 52 39	13°37'49	19°41	11°46	15°43	0♓29	14°55	5°45	27°54	13°39	17°40	14°18	15°35	10°16	3°48	M28
T 29	6 56 36	14°38'57	2♉54	10°28	16°56	1°15	15° 8	5°52	27°57	13°38	17°40	14°17	15°32	10°23	3°52	T 29
W30	7 0 33	15°40'04	15°50	9°14	18°10	2° 1	15°22	5°59	28° 0	13°38	17°39	14°14	15°28	10°29	3°57	W30
T 31	7 4 29	16♑41'10	28♉31	8♑ 5	19♒24	2♓47	15♒35	6♒ 6	28♏ 2	13♉37	17♍39	14♒10	15♒25	10♌36	4♒ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s49	13n12	4n40	25s44	2s14	24s32	1s34	19s 8	1s17	18s50	0s52	20s23	0s49	19s16	0n11	14n22	1s51	19n20	15n46	16s 8	15s48	19n22	13s39	6n19
W 2	22 55	18 15	5 0	25 40	2 12	24 26	1 36	18 54	1 16	18 47	0 52	20 22	0 49	19 16	0 11	14 22	1 51	19 20	15 46	16 10	15 49	19 20	13 39	6 18
T 3	23 1	22 22	5 4	25 34	2 9	24 19	1 37	18 41	1 16	18 44	0 52	20 21	0 49	19 17	0 11	14 22	1 51	19 20	15 47	16 13	15 50	19 17	13 38	6 18
F 4	23 6	25 21	4 53	25 27	2 6	24 12	1 38	18 27	1 15	18 41	0 52	20 19	0 49	19 18	0 11	14 21	1 51	19 21	15 47	16 16	15 51	19 15	13 38	6 18
S 5	23 11	27 1	4 27	25 18	2 2	24 3	1 39	18 14	1 14	18 38	0 52	20 18	0 49	19 19	0 11	14 21	1 51	19 21	15 48	16 19	15 52	19 12	13 37	6 17
S 6	23 15	27 19	3 50	25 7	1 57	23 54	1 40	18 0	1 13	18 35	0 52	20 17	0 49	19 20	0 11	14 21	1 51	19 22	15 48	16 22	15 53	19 10	13 37	6 17
M 7	23 19	26 16	3 2	24 55	1 52	23 45	1 41	17 45	1 13	18 31	0 52	20 15	0 49	19 21	0 11	14 20	1 51	19 22	15 49	16 24	15 54	19 7	13 36	6 17
T 8	23 22	24 1	2 6	24 42	1 45	23 34	1 42	17 31	1 12	18 28	0 52	20 14	0 49	19 21	0 11	14 20	1 51	19 22	15 50	16 26	15 55	19 5	13 35	6 17
W 9	23 25	20 44	1 6	24 27	1 38	23 23	1 42	17 17	1 11	18 25	0 52	20 12	0 49	19 22	0 11	14 20	1 51	19 23	15 50	16 27	15 56	19 2	13 35	6 16
T 10	23 27	16 37	0 2	24 12	1 29	23 11	1 43	17 2	1 10	18 21	0 52	20 11	0 49	19 23	0 11	14 19	1 51	19 23	15 51	16 27	15 57	18 59	13 34	6 16
F 11	23 29	11 54	1s 1	23 55	1 20	22 58	1 44	16 47	1 10	18 18	0 52	20 10	0 49	19 24	0 11	14 19	1 51	19 24	15 51	16 27	15 58	18 57	13 34	6 16
S 12	23 31	6 44	2 2	23 37	1 9	22 45	1 44	16 32	1 9	18 15	0 52	20 8	0 49	19 24	0 11	14 19	1 51	19 24	15 52	16 27	15 59	18 54	13 33	6 16
S 13	23 32	1 16	2 59	23 19	0 58	22 31	1 45	16 17	1 8	18 11	0 52	20 7	0 49	19 25	0 11	14 19	1 51	19 25	15 52	16 26	16 0	18 52	13 32	6 15
M14	23 32	4s20	3 48	23 0	0 45	22 17	1 45	16 2	1 7	18 8	0 52	20 5	0 49	19 26	0 11	14 18	1 51	19 25	15 53	16 26	16 1	18 49	13 32	6 15
T 15	23 32	9 55	4 28	22 41	0 31	22 1	1 45	15 46	1 6	18 4	0 52	20 4	0 49	19 27	0 11	14 18	1 51	19 26	15 53	16 27	16 2	18 46	13 31	6 15
W16	23 32	15 14	4 56	22 22	0 15	21 46	1 46	15 31	1 6	18 1	0 52	20 2	0 49	19 27	0 11	14 18	1 51	19 26	15 54	16 28	16 3	18 44	13 30	6 15
T 17	23 31	20 3	5 9	22 3	0n 1	21 29	1 46	15 15	1 5	17 57	0 52	20 1	0 49	19 28	0 11	14 17	1 51	19 27	15 55	16 29	16 4	18 41	13 30	6 14
F 18	23 30	23 57	5 5	21 45	0 18	21 12	1 46	14 59	1 4	17 53	0 52	19 59	0 49	19 29	0 11	14 17	1 50	19 27	15 55	16 31	16 5	18 39	13 29	6 14
S 19	23 28	26 32	4 43	21 27	0 36	20 54	1 46	14 43	1 3	17 50	0 52	19 58	0 49	19 30	0 11	14 17	1 50	19 28	15 56	16 33	16 5	18 36	13 28	6 14
S 20	23 26	27 24	4 1	21 11	0 55	20 36	1 46	14 27	1 3	17 46	0 52	19 56	0 49	19 30	0 11	14 17	1 50	19 29	15 56	16 35	16 6	18 33	13 27	6 14
M21	23 23	26 18	3 2	20 56	1 14	20 17	1 46	14 10	1 2	17 42	0 52	19 54	0 49	19 31	0 11	14 17	1 50	19 29	15 57	16 36	16 7	18 31	13 27	6 14
T 22	23 20	23 17	1 50	20 42	1 34	19 58	1 45	13 54	1 1	17 38	0 52	19 53	0 49	19 32	0 11	14 16	1 50	19 30	15 57	16 37	16 8	18 28	13 26	6 13
W23	23 16	18 42	0 31	20 30	1 53	19 37	1 45	13 38	1 0	17 35	0 52	19 51	0 49	19 32	0 11	14 16	1 50	19 30	15 58	16 38	16 9	18 25	13 25	6 13
T 24	23 12	12 59	0n50	20 19	2 11	19 17	1 45	13 21	0 59	17 31	0 52	19 50	0 50	19 33	0 11	14 16	1 50	19 31	15 58	16 38	16 10	18 23	13 24	6 13
F 25	23 7	6 39	2 6	20 10	2 28	18 56	1 44	13 4	0 59	17 27	0 52	19 48	0 50	19 34	0 11	14 16	1 50	19 32	15 59	16 37	16 11	18 20	13 23	6 13
S 26	23 2	0 8	3 13	20 3	2 43	18 34	1 44	12 47	0 58	17 23	0 52	19 46	0 50	19 34	0 11	14 16	1 50	19 32	15 59	16 37	16 12	18 18	13 23	6 13
S 27	22 56	6n13	4 7	19 58	2 57	18 12	1 43	12 30	0 57	17 19	0 52	19 45	0 50	19 35	0 11	14 15	1 50	19 33	16 0	16 36	16 13	18 15	13 22	6 12
M28	22 50	12 7	4 45	19 54	3 8	17 49	1 42	12 13	0 56	17 15	0 52	19 43	0 50	19 36	0 11	14 15	1 50	19 34	16 1	16 36	16 14	18 12	13 21	6 12
T 29	22 44	17 20	5 7	19 51	3 17	17 26	1 41	11 56	0 55	17 11	0 52	19 41	0 50	19 36	0 11	14 15	1 50	19 34	16 1	16 37	16 15	18 10	13 20	6 12
W30	22 37	21 38	5 13	19 50	3 23	17 3	1 41	11 39	0 55	17 7	0 52	19 40	0 50	19 37	0 11	14 15	1 50	19 35	16 2	16 38	16 16	18 7	13 19	6 12
T 31	22s30	24n51	5n 4	19s51	3n27	16s39	1s40	11s22	0s54	17s 3	0s52	19s38	0s50	19s38	0n11	14n15	1s50	19n36	16n 2	16s39	16s17	18n 4	13s18	6n12

Julian Day Number = 2169188.5, Delta T = 12m28s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'36, Lahiri = 13°04'36 Julian Calendar 1 Dec. 1226 == Greg. Calendar 8 Dec. 1226

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

JANUARY 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 8 26	17♑42'16	10♊59	7°R 3	20♒37	3♓33	15♒49	6♒13	28♏ 5	13°R37	17°R38	14°R 6	15♒22	10♌43	4♒ 6	F 1
S 2	7 12 22	18°43'20	23°16	6♑ 9	21°51	4°19	16° 2	6°20	28° 8	13♉36	17♍37	14♒ 1	15°19	10°49	4°10	S 2
S 3	7 16 19	19°44'24	5♋23	5°24	23° 5	5° 5	16°16	6°27	28°10	13°36	17°37	13°57	15°16	10°56	4°15	S 3
M 4	7 20 15	20°45'27	17°22	4°48	24°18	5°51	16°30	6°34	28°13	13°35	17°36	13°54	15°13	11° 3	4°20	M 4
T 5	7 24 12	21°46'30	29°15	4°21	25°32	6°37	16°44	6°41	28°16	13°35	17°35	13°52	15° 9	11° 9	4°24	T 5
W 6	7 28 8	22°47'31	11♌ 5	4° 4	26°45	7°23	16°57	6°48	28°18	13°34	17°35	13°D51	15° 6	11°16	4°29	W 6
T 7	7 32 5	23°48'32	22°52	3°55	27°58	8° 9	17°11	6°55	28°21	13°34	17°34	13°51	15° 3	11°23	4°33	T 7
F 8	7 36 2	24°49'31	4♍39	3°D54	29°12	8°54	17°25	7° 2	28°23	13°34	17°33	13°52	15° 0	11°29	4°38	F 8
S 9	7 39 58	25°50'30	16°31	4° 1	0♓25	9°40	17°39	7° 9	28°25	13°34	17°32	13°54	14°57	11°36	4°42	S 9
S 10	7 43 55	26°51'29	28°31	4°16	1°38	10°26	17°53	7°16	28°28	13°33	17°31	13°55	14°54	11°42	4°47	S 10
M11	7 47 51	27°52'26	10♎42	4°37	2°51	11°11	18° 7	7°23	28°30	13°33	17°31	13°56	14°50	11°49	4°52	M11
T 12	7 51 48	28°53'23	23° 9	5° 3	4° 4	11°57	18°21	7°31	28°32	13°33	17°30	13°57	14°47	11°56	4°56	T 12
W13	7 55 44	29°54'19	5♏57	5°36	5°17	12°43	18°35	7°38	28°35	13°33	17°29	13°R57	14°44	12° 2	5° 1	W13
T 14	7 59 41	0♒55'14	19°10	6°13	6°30	13°28	18°49	7°45	28°37	13°33	17°28	13°57	14°41	12° 9	5° 5	T 14
F 15	8 3 37	1°56'09	2♐49	6°56	7°43	14°14	19° 3	7°52	28°39	13°33	17°27	13°55	14°38	12°16	5°10	F 15
S 16	8 7 34	2°57'03	16°56	7°42	8°56	15° 0	19°17	7°59	28°41	13°32	17°26	13°54	14°34	12°22	5°15	S 16
S 17	8 11 31	3°57'55	1♑29	8°32	10° 8	15°45	19°32	8° 7	28°43	13°D32	17°25	13°53	14°31	12°29	5°19	S 17
M18	8 15 27	4°58'47	16°24	9°26	11°21	16°31	19°46	8°14	28°45	13°33	17°24	13°52	14°28	12°36	5°24	M18
T 19	8 19 24	5°59'38	1♒33	10°22	12°34	17°16	20° 0	8°21	28°47	13°33	17°22	13°51	14°25	12°42	5°29	T 19
W20	8 23 20	7° 0'27	16°46	11°22	13°46	18° 1	20°14	8°28	28°49	13°33	17°21	13°D51	14°22	12°49	5°33	W20
T 21	8 27 17	8° 1'15	1♓55	12°25	14°59	18°47	20°29	8°35	28°51	13°33	17°20	13°51	14°19	12°56	5°38	T 21
F 22	8 31 13	9° 2'01	16°50	13°29	16°11	19°32	20°43	8°43	28°53	13°33	17°19	13°52	14°15	13° 2	5°43	F 22
S 23	8 35 10	10° 2'45	1♈24	14°36	17°23	20°18	20°57	8°50	28°55	13°33	17°18	13°52	14°12	13° 9	5°47	S 23
S 24	8 39 7	11° 3'28	15°33	15°46	18°35	21° 3	21°12	8°57	28°56	13°33	17°17	13°52	14° 9	13°16	5°52	S 24
M25	8 43 3	12° 4'10	29°16	16°57	19°48	21°48	21°26	9° 4	28°58	13°34	17°15	13°52	14° 6	13°22	5°56	M25
T 26	8 47 0	13° 4'49	12♉33	18°10	21° 0	22°33	21°40	9°12	29° 0	13°34	17°14	13°R53	14° 3	13°29	6° 1	T 26
W27	8 50 56	14° 5'27	25°27	19°24	22°11	23°19	21°55	9°19	29° 1	13°34	17°13	13°D53	14° 0	13°35	6° 6	W27
T 28	8 54 53	15° 6'03	8♊ 1	20°40	23°23	24° 4	22° 9	9°26	29° 3	13°35	17°11	13°53	13°56	13°42	6°10	T 28
F 29	8 58 49	16° 6'38	20°19	21°58	24°35	24°49	22°24	9°33	29° 4	13°35	17°10	13°53	13°53	13°49	6°15	F 29
S 30	9 2 46	17° 7'10	2♋25	23°17	25°47	25°34	22°38	9°40	29° 6	13°36	17° 9	13°53	13°50	13°55	6°19	S 30
S 31	9 6 42	18♒ 7'41	14♋22	24♑38	26♓58	26♓19	22♒52	9♒48	29♏ 7	13♉36	17♍ 7	13♒54	13♒47	14♌ 2	6♒24	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s22	26n48	4n40	19s53	3n28	16s14	1s39	11s 4	0s53	16s59	0s52	19s36	0s50	19s38	0n11	14n15	1s50	19n36	16n 3	16s40	16s18	18n 2	13s17	6n12
S 2	22 14	27 25	4 3	19 56	3 28	15 49	1 37	10 47	0 52	16 55	0 52	19 35	0 50	19 39	0 11	14 15	1 50	19 37	16 3	16 42	16 19	17 59	13 16	6 12
S 3	22 5	26 42	3 16	20 1	3 25	15 24	1 36	10 29	0 51	16 51	0 52	19 33	0 50	19 39	0 11	14 15	1 50	19 38	16 4	16 43	16 20	17 56	13 16	6 11
M 4	21 56	24 44	2 21	20 7	3 21	14 58	1 35	10 11	0 51	16 47	0 52	19 31	0 50	19 40	0 11	14 15	1 50	19 39	16 4	16 44	16 21	17 54	13 15	6 11
T 5	21 46	21 42	1 20	20 14	3 15	14 32	1 33	9 54	0 50	16 43	0 52	19 29	0 50	19 41	0 11	14 15	1 49	19 39	16 5	16 44	16 22	17 51	13 14	6 11
W 6	21 36	17 46	0 15	20 21	3 8	14 5	1 32	9 36	0 49	16 39	0 52	19 28	0 50	19 41	0 11	14 14	1 49	19 40	16 5	16 44	16 22	17 48	13 13	6 11
T 7	21 26	13 10	0s50	20 30	2 59	13 39	1 30	9 18	0 48	16 34	0 52	19 26	0 50	19 42	0 11	14 14	1 49	19 41	16 6	16 44	16 23	17 45	13 12	6 11
F 8	21 15	8 6	1 53	20 39	2 51	13 11	1 29	9 0	0 47	16 30	0 52	19 24	0 50	19 42	0 11	14 14	1 49	19 41	16 6	16 44	16 24	17 43	13 11	6 11
S 9	21 4	2 43	2 51	20 48	2 41	12 44	1 27	8 42	0 47	16 26	0 52	19 22	0 50	19 43	0 11	14 14	1 49	19 42	16 6	16 44	16 25	17 40	13 10	6 11
S 10	20 52	2s49	3 43	20 57	2 31	12 16	1 25	8 24	0 46	16 22	0 52	19 21	0 50	19 43	0 11	14 14	1 49	19 43	16 7	16 43	16 26	17 37	13 9	6 11
M11	20 41	8 19	4 25	21 7	2 21	11 48	1 23	8 6	0 45	16 17	0 52	19 19	0 50	19 44	0 11	14 14	1 49	19 44	16 7	16 43	16 27	17 35	13 8	6 11
T 12	20 28	13 37	4 57	21 16	2 10	11 19	1 21	7 47	0 44	16 13	0 52	19 17	0 50	19 44	0 11	14 14	1 49	19 45	16 8	16 43	16 28	17 32	13 7	6 11
W13	20 15	18 30	5 14	21 26	2 0	10 51	1 19	7 29	0 43	16 9	0 52	19 15	0 50	19 45	0 11	14 14	1 49	19 45	16 8	16 43	16 29	17 29	13 6	6 11
T 14	20 2	22 39	5 16	21 35	1 49	10 22	1 17	7 11	0 43	16 4	0 52	19 13	0 51	19 45	0 11	14 14	1 49	19 46	16 9	16 43	16 30	17 27	13 5	6 11
F 15	19 49	25 43	5 0	21 44	1 38	9 52	1 15	6 52	0 42	16 0	0 52	19 12	0 51	19 46	0 11	14 14	1 49	19 47	16 9	16 43	16 31	17 24	13 4	6 11
S 16	19 35	27 19	4 26	21 52	1 27	9 23	1 13	6 34	0 41	15 55	0 52	19 10	0 51	19 46	0 11	14 14	1 49	19 48	16 10	16 44	16 32	17 21	13 3	6 11
S 17	19 21	27 6	3 34	21 59	1 17	8 53	1 11	6 16	0 40	15 51	0 52	19 8	0 51	19 47	0 11	14 15	1 49	19 49	16 10	16 44	16 33	17 18	13 2	6 10
M18	19 6	24 57	2 27	22 6	1 6	8 23	1 8	5 57	0 39	15 46	0 52	19 6	0 51	19 47	0 11	14 15	1 49	19 49	16 10	16 44	16 34	17 16	13 0	6 10
T 19	18 51	21 0	1 8	22 12	0 56	7 53	1 6	5 39	0 39	15 42	0 52	19 4	0 51	19 48	0 11	14 15	1 49	19 50	16 11	16 44	16 35	17 13	12 59	6 10
W20	18 36	15 37	0n16	22 18	0 46	7 23	1 3	5 20	0 38	15 37	0 52	19 2	0 51	19 48	0 11	14 15	1 48	19 51	16 11	16 44	16 35	17 10	12 58	6 10
T 21	18 20	9 18	1 39	22 22	0 36	6 52	1 0	5 1	0 37	15 33	0 52	19 1	0 51	19 49	0 11	14 15	1 48	19 52	16 12	16 44	16 36	17 7	12 57	6 10
F 22	18 4	2 34	2 53	22 26	0 26	6 21	0 58	4 43	0 36	15 28	0 52	18 59	0 51	19 49	0 11	14 15	1 48	19 53	16 12	16 44	16 37	17 5	12 56	6 10
S 23	17 48	4n 9	3 55	22 28	0 16	5 51	0 55	4 24	0 35	15 24	0 52	18 57	0 51	19 49	0 11	14 15	1 48	19 53	16 12	16 44	16 38	17 2	12 55	6 10
S 24	17 32	10 27	4 40	22 29	0 7	5 20	0 52	4 6	0 35	15 19	0 52	18 55	0 51	19 50	0 11	14 15	1 48	19 54	16 13	16 44	16 39	16 59	12 54	6 10
M25	17 15	16 3	5 8	22 30	0s 2	4 49	0 49	3 47	0 34	15 15	0 52	18 53	0 51	19 50	0 11	14 15	1 48	19 55	16 13	16 44	16 40	16 56	12 53	6 10
T 26	16 58	20 42	5 18	22 29	0 11	4 17	0 46	3 28	0 33	15 10	0 52	18 51	0 51	19 50	0 11	14 16	1 48	19 56	16 13	16 44	16 41	16 54	12 52	6 10
W27	16 40	24 15	5 12	22 27	0 20	3 46	0 43	3 10	0 32	15 5	0 52	18 50	0 51	19 51	0 11	14 16	1 48	19 57	16 14	16 44	16 42	16 51	12 50	6 11
T 28	16 23	26 31	4 50	22 24	0 28	3 15	0 40	2 51	0 31	15 1	0 52	18 48	0 51	19 51	0 11	14 16	1 48	19 58	16 14	16 44	16 43	16 48	12 49	6 11
F 29	16 5	27 27	4 16	22 20	0 36	2 43	0 37	2 32	0 31	14 56	0 53	18 46	0 52	19 51	0 11	14 16	1 48	19 58	16 15	16 44	16 44	16 45	12 48	6 11
S 30	15 46	27 2	3 31	22 14	0 44	2 12	0 33	2 14	0 30	14 51	0 53	18 44	0 52	19 52	0 11	14 16	1 48	19 59	16 15	16 44	16 45	16 43	12 47	6 11
S 31	15s28	25n22	2n37	22s 8	0s51	1s40	0s30	1s55	0s29	14s47	0s53	18s42	0s52	19s52	0n11	14n16	1s48	20n 0	16n15	16s44	16s46	16n40	12s46	6n11

Julian Day Number = 2169219.5, Delta T = 12m28s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'40, Lahiri = 13°04'41 Julian Calendar 1 Jan. 1227 == Greg. Calendar 8 Jan. 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

FEBRUARY 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 10 39	19♒ 8'10	26♋13	26♉ 0	28♓10	27♓ 4	23♒ 7	9♒55	29♏ 8	13♉37	17°R 6	13♒54	13♒44	14♌ 9	6♒28	M 1
T 2	9 14 36	20° 8'37	8♌ 1	27°23	29°21	27°49	23°21	10° 2	29°10	13°37	17♍ 5	13°R54	13°40	14°15	6°33	T 2
W 3	9 18 32	21° 9'03	19°48	28°47	0♈32	28°34	23°36	10° 9	29°11	13°38	17° 3	13°54	13°37	14°22	6°37	W 3
T 4	9 22 29	22° 9'26	1♍38	0♒13	1°43	29°19	23°50	10°16	29°12	13°38	17° 2	13°54	13°34	14°29	6°42	T 4
F 5	9 26 25	23° 9'48	13°31	1°40	2°54	0♈ 3	24° 5	10°23	29°13	13°39	17° 0	13°53	13°31	14°35	6°46	F 5
S 6	9 30 22	24°10'09	25°29	3° 7	4° 5	0°48	24°19	10°30	29°14	13°40	16°59	13°52	13°28	14°42	6°51	S 6
S 7	9 34 18	25°10'28	7♎36	4°36	5°16	1°33	24°34	10°37	29°15	13°40	16°57	13°50	13°25	14°49	6°55	S 7
M 8	9 38 15	26°10'45	19°54	6° 6	6°26	2°18	24°48	10°45	29°16	13°41	16°56	13°48	13°21	14°55	7° 0	M 8
T 9	9 42 11	27°11'00	2♏26	7°37	7°37	3° 2	25° 3	10°52	29°17	13°42	16°54	13°47	13°18	15° 2	7° 4	T 9
W10	9 46 8	28°11'15	15°13	9°10	8°47	3°47	25°17	10°59	29°18	13°43	16°53	13°46	13°15	15° 8	7° 9	W10
T 11	9 50 4	29°11'27	28°21	10°43	9°58	4°32	25°31	11° 6	29°19	13°43	16°51	13°D45	13°12	15°15	7°13	T 11
F 12	9 54 1	0♓11'39	11♐50	12°17	11° 8	5°16	25°46	11°13	29°20	13°44	16°50	13°46	13° 9	15°22	7°17	F 12
S 13	9 57 58	1°11'48	25°43	13°53	12°18	6° 1	26° 0	11°20	29°20	13°45	16°48	13°46	13° 6	15°28	7°22	S 13
S 14	10 1 54	2°11'56	10♑ 0	15°29	13°27	6°45	26°15	11°27	29°21	13°46	16°47	13°48	13° 2	15°35	7°26	S 14
M15	10 5 51	3°12'03	24°40	17° 7	14°37	7°29	26°29	11°33	29°21	13°47	16°45	13°49	12°59	15°42	7°30	M15
T 16	10 9 47	4°12'07	9♒36	18°45	15°47	8°14	26°44	11°40	29°22	13°48	16°44	13°R50	12°56	15°48	7°35	T 16
W17	10 13 44	5°12'10	24°43	20°25	16°56	8°58	26°58	11°47	29°22	13°49	16°42	13°49	12°53	15°55	7°39	W17
T 18	10 17 40	6°12'11	9♓52	22° 6	18° 6	9°42	27°12	11°54	29°23	13°50	16°40	13°48	12°50	16° 2	7°43	T 18
F 19	10 21 37	7°12'10	24°54	23°48	19°15	10°27	27°27	12° 1	29°23	13°51	16°39	13°46	12°46	16° 8	7°47	F 19
S 20	10 25 33	8°12'07	9♈39	25°31	20°24	11°11	27°41	12° 8	29°24	13°53	16°37	13°42	12°43	16°15	7°51	S 20
S 21	10 29 30	9°12'02	24° 0	27°15	21°33	11°55	27°56	12°14	29°24	13°54	16°36	13°38	12°40	16°22	7°55	S 21
M22	10 33 27	10°11'54	7♉55	29° 1	22°41	12°39	28°10	12°21	29°24	13°55	16°34	13°35	12°37	16°28	8° 0	M22
T 23	10 37 23	11°11'44	21°21	0♓47	23°50	13°23	28°24	12°28	29°24	13°56	16°32	13°32	12°34	16°35	8° 4	T 23
W24	10 41 20	12°11'32	4♊20	2°35	24°58	14° 7	28°38	12°34	29°24	13°57	16°31	13°31	12°31	16°42	8° 8	W24
T 25	10 45 16	13°11'18	16°56	4°24	26° 6	14°51	28°53	12°41	29°24	13°59	16°29	13°D31	12°27	16°48	8°12	T 25
F 26	10 49 13	14°11'02	29°13	6°14	27°14	15°35	29° 7	12°47	29°R24	14° 0	16°27	13°32	12°24	16°55	8°16	F 26
S 27	10 53 9	15°10'43	11♋15	8° 5	28°22	16°19	29°21	12°54	29°24	14° 1	16°26	13°33	12°21	17° 1	8°19	S 27
S 28	10 57 6	16♓10'22	23♋ 7	9♓58	29♈30	17♈ 3	29♒35	13♒ 0	29♏24	14♉ 3	16♍24	13♒35	12♒18	17♌ 8	8♒23	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 9	22n35	1n37	22s 0	0s58	1s 9	0s27	1s36	0s28	14s42	0s53	18s40	0s52	19s52	0n11	14n17	1s48	20n 1	16n15	16s44	16s47	16n37	12s45	6n11
T 2	14 50	18 52	0 33	21 50	1 5	0 37	0 23	1 18	0 28	14 37	0 53	18 38	0 52	19 53	0 11	14 17	1 48	20 2	16 16	16 43	16 47	16 34	12 44	6 11
W 3	14 31	14 25	0s33	21 40	1 12	0 5	0 20	0 59	0 27	14 32	0 53	18 37	0 52	19 53	0 11	14 17	1 48	20 3	16 16	16 43	16 48	16 32	12 42	6 11
T 4	14 11	9 26	1 37	21 28	1 18	0n26	0 16	0 40	0 26	14 28	0 53	18 35	0 52	19 53	0 11	14 17	1 48	20 3	16 16	16 44	16 49	16 29	12 41	6 11
F 5	13 51	4 6	2 37	21 14	1 24	0 58	0 13	0 22	0 25	14 23	0 53	18 33	0 52	19 53	0 11	14 18	1 47	20 4	16 17	16 44	16 50	16 26	12 40	6 11
S 6	13 31	1s26	3 31	21 0	1 30	1 30	0 9	0 3	0 24	14 18	0 53	18 31	0 52	19 54	0 11	14 18	1 47	20 5	16 17	16 44	16 51	16 23	12 39	6 11
S 7	13 11	6 57	4 16	20 44	1 35	2 1	0 5	0n15	0 24	14 13	0 53	18 29	0 52	19 54	0 11	14 18	1 47	20 6	16 17	16 45	16 52	16 20	12 38	6 11
M 8	12 51	12 17	4 50	20 26	1 40	2 33	0 1	0 34	0 23	14 9	0 53	18 27	0 52	19 54	0 11	14 18	1 47	20 7	16 17	16 45	16 53	16 18	12 36	6 11
T 9	12 30	17 13	5 11	20 7	1 44	3 4	0n 2	0 52	0 22	14 4	0 53	18 25	0 52	19 54	0 11	14 19	1 47	20 7	16 18	16 46	16 54	16 15	12 35	6 12
W10	12 9	21 31	5 17	19 47	1 49	3 36	0 6	1 11	0 21	13 59	0 53	18 24	0 53	19 54	0 11	14 19	1 47	20 8	16 18	16 46	16 55	16 12	12 34	6 12
T 11	11 48	24 51	5 7	19 25	1 52	4 7	0 10	1 29	0 21	13 54	0 53	18 22	0 53	19 55	0 11	14 19	1 47	20 9	16 18	16 46	16 56	16 9	12 33	6 12
F 12	11 27	26 55	4 40	19 2	1 56	4 38	0 14	1 48	0 20	13 49	0 53	18 20	0 53	19 55	0 11	14 20	1 47	20 10	16 18	16 46	16 57	16 6	12 32	6 12
S 13	11 6	27 24	3 56	18 38	1 59	5 9	0 18	2 6	0 19	13 44	0 53	18 18	0 53	19 55	0 11	14 20	1 47	20 11	16 19	16 46	16 57	16 4	12 31	6 12
S 14	10 44	26 6	2 56	18 12	2 2	5 40	0 22	2 25	0 18	13 40	0 54	18 16	0 53	19 55	0 11	14 20	1 47	20 12	16 19	16 45	16 58	16 1	12 29	6 12
M15	10 22	22 59	1 44	17 45	2 4	6 11	0 26	2 43	0 18	13 35	0 54	18 14	0 53	19 55	0 11	14 21	1 47	20 12	16 19	16 45	16 59	15 58	12 28	6 12
T 16	10 1	18 18	0 23	17 16	2 6	6 42	0 30	3 1	0 17	13 30	0 54	18 13	0 53	19 55	0 11	14 21	1 47	20 13	16 19	16 45	17 0	15 55	12 27	6 12
W17	9 39	12 24	1n 0	16 46	2 8	7 13	0 34	3 19	0 16	13 25	0 54	18 11	0 53	19 55	0 11	14 21	1 47	20 14	16 19	16 45	17 1	15 52	12 26	6 13
T 18	9 16	5 45	2 19	16 14	2 9	7 43	0 39	3 38	0 15	13 20	0 54	18 9	0 53	19 55	0 11	14 22	1 47	20 15	16 19	16 45	17 2	15 50	12 24	6 13
F 19	8 54	1n 8	3 28	15 41	2 10	8 13	0 43	3 56	0 15	13 15	0 54	18 7	0 53	19 56	0 11	14 22	1 47	20 15	16 20	16 46	17 3	15 47	12 23	6 13
S 20	8 32	7 50	4 21	15 6	2 10	8 44	0 47	4 14	0 14	13 10	0 54	18 5	0 54	19 56	0 11	14 23	1 47	20 16	16 20	16 47	17 4	15 44	12 22	6 13
S 21	8 9	13 56	4 56	14 30	2 10	9 14	0 51	4 32	0 13	13 5	0 54	18 4	0 54	19 56	0 11	14 23	1 46	20 17	16 20	16 48	17 5	15 41	12 21	6 13
M22	7 47	19 8	5 13	13 53	2 9	9 43	0 56	4 50	0 12	13 1	0 54	18 2	0 54	19 56	0 11	14 23	1 46	20 18	16 20	16 49	17 6	15 38	12 20	6 14
T 23	7 24	23 11	5 12	13 14	2 8	10 13	1 0	5 8	0 12	12 56	0 54	18 0	0 54	19 56	0 11	14 24	1 46	20 18	16 20	16 50	17 7	15 35	12 18	6 14
W24	7 1	25 55	4 54	12 34	2 7	10 42	1 4	5 25	0 11	12 51	0 54	17 58	0 54	19 56	0 11	14 24	1 46	20 19	16 20	16 50	17 7	15 32	12 17	6 14
T 25	6 38	27 15	4 23	11 52	2 5	11 11	1 8	5 43	0 10	12 46	0 54	17 56	0 54	19 56	0 11	14 25	1 46	20 20	16 20	16 50	17 8	15 30	12 16	6 14
F 26	6 15	27 12	3 40	11 9	2 2	11 40	1 13	6 1	0 9	12 41	0 55	17 55	0 54	19 56	0 11	14 25	1 46	20 21	16 20	16 50	17 9	15 27	12 15	6 14
S 27	5 52	25 51	2 48	10 24	1 59	12 8	1 17	6 19	0 9	12 36	0 55	17 53	0 54	19 56	0 11	14 26	1 46	20 21	16 20	16 50	17 10	15 24	12 14	6 15
S 28	5s29	23n21	1n50	9s39	1s55	12n36	1n21	6n36	0s 8	12s31	0s55	17s51	0s54	19s56	0n11	14n26	1s46	20n22	16n20	16s49	17s11	15n21	12s12	6n15

Julian Day Number = 2169250.5, Delta T = 12m28s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'44, Lahiri = 13°04'45 Julian Calendar 1 Feb. 1227 == Greg. Calendar 8 Feb. 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

MARCH 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 1 2	17♓ 9'58	4♌55	11♓52	0♉37	17♈47	29♒49	13♒ 7	29°R24	14♉ 4	16°R23	13♒36	12♒15	17♌15	8♒27	M 1
T 2	11 4 59	18° 9'33	16°41	13°47	1°44	18°30	0♓ 4	13°13	29♏24	14° 5	16♍21	13°R37	12°12	17°21	8°31	T 2
W 3	11 8 56	19° 9'05	28°30	15°43	2°51	19°14	0°18	13°19	29°24	14° 7	16°19	13°36	12° 8	17°28	8°35	W 3
T 4	11 12 52	20° 8'35	10♍24	17°40	3°58	19°58	0°32	13°26	29°23	14° 8	16°18	13°33	12° 5	17°35	8°39	T 4
F 5	11 16 49	21° 8'02	22°25	19°38	5° 4	20°41	0°46	13°32	29°23	14°10	16°16	13°28	12° 2	17°41	8°42	F 5
S 6	11 20 45	22° 7'28	4♎36	21°37	6°11	21°25	1° 0	13°38	29°23	14°11	16°14	13°22	11°59	17°48	8°46	S 6
S 7	11 24 42	23° 6'52	16°56	23°38	7°17	22° 8	1°14	13°44	29°22	14°13	16°13	13°14	11°56	17°55	8°50	S 7
M 8	11 28 38	24° 6'13	29°28	25°39	8°23	22°52	1°28	13°50	29°22	14°14	16°11	13° 7	11°52	18° 1	8°53	M 8
T 9	11 32 35	25° 5'33	12♏13	27°41	9°28	23°35	1°41	13°57	29°21	14°16	16°10	13° 0	11°49	18° 8	8°57	T 9
W10	11 36 31	26° 4'51	25°10	29°43	10°34	24°19	1°55	14° 3	29°20	14°18	16° 8	12°55	11°46	18°15	9° 0	W10
T 11	11 40 28	27° 4'07	8♐22	1♈46	11°39	25° 2	2° 9	14° 8	29°20	14°19	16° 6	12°51	11°43	18°21	9° 4	T 11
F 12	11 44 25	28° 3'22	21°50	3°49	12°44	25°45	2°23	14°14	29°19	14°21	16° 5	12°49	11°40	18°28	9° 7	F 12
S 13	11 48 21	29° 2'34	5♑34	5°52	13°48	26°28	2°37	14°20	29°18	14°23	16° 3	12°D49	11°37	18°34	9°10	S 13
S 14	11 52 18	0♈ 1'45	19°37	7°54	14°53	27°12	2°50	14°26	29°17	14°24	16° 2	12°50	11°33	18°41	9°14	S 14
M15	11 56 14	1° 0'54	3♒57	9°56	15°57	27°55	3° 4	14°32	29°16	14°26	16° 0	12°51	11°30	18°48	9°17	M15
T 16	12 0 11	2° 0'02	18°32	11°57	17° 1	28°38	3°17	14°37	29°16	14°28	15°58	12°R52	11°27	18°54	9°20	T 16
W17	12 4 7	2°59'07	3♓19	13°57	18° 4	29°21	3°31	14°43	29°15	14°30	15°57	12°50	11°24	19° 1	9°23	W17
T 18	12 8 4	3°58'10	18°12	15°55	19° 7	0♉ 4	3°44	14°49	29°14	14°31	15°55	12°46	11°21	19° 8	9°27	T 18
F 19	12 12 0	4°57'11	3♈ 1	17°51	20°10	0°47	3°58	14°54	29°13	14°33	15°54	12°40	11°17	19°14	9°30	F 19
S 20	12 15 57	5°56'11	17°40	19°45	21°13	1°30	4°11	15° 0	29°11	14°35	15°52	12°32	11°14	19°21	9°33	S 20
S 21	12 19 54	6°55'08	2♉ 1	21°36	22°15	2°13	4°25	15° 5	29°10	14°37	15°51	12°23	11°11	19°28	9°36	S 21
M22	12 23 50	7°54'03	15°59	23°24	23°17	2°56	4°38	15°10	29° 9	14°39	15°49	12°14	11° 8	19°34	9°39	M22
T 23	12 27 47	8°52'56	29°29	25° 9	24°19	3°38	4°51	15°16	29° 8	14°41	15°48	12° 7	11° 5	19°41	9°42	T 23
W24	12 31 43	9°51'46	12♊34	26°49	25°20	4°21	5° 4	15°21	29° 7	14°42	15°46	12° 1	11° 2	19°48	9°44	W24
T 25	12 35 40	10°50'35	25°13	28°26	26°21	5° 4	5°17	15°26	29° 5	14°44	15°45	11°58	10°58	19°54	9°47	T 25
F 26	12 39 36	11°49'21	7♋32	29°58	27°22	5°46	5°30	15°31	29° 4	14°46	15°43	11°D56	10°55	20° 1	9°50	F 26
S 27	12 43 33	12°48'04	19°35	1♌26	28°22	6°29	5°43	15°36	29° 2	14°48	15°42	11°57	10°52	20° 8	9°53	S 27
S 28	12 47 29	13°46'46	1♍28	2°49	29°21	7°11	5°56	15°41	29° 1	14°50	15°41	11°57	10°49	20°14	9°55	S 28
M29	12 51 26	14°45'25	13°15	4° 7	0♊21	7°54	6° 9	15°46	28°59	14°52	15°39	11°R58	10°46	20°21	9°58	M29
T 30	12 55 23	15°44'02	25° 3	5°20	1°20	8°36	6°22	15°50	28°58	14°54	15°38	11°57	10°43	20°27	10° 0	T 30
W31	12 59 19	16♈42'36	6♏55	6♌28	2♊18	9♉19	6♓35	15♒55	28♏56	14♉56	15♍36	11♒54	10♒39	20♌34	10♒ 3	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s 5	19n53	0n48	8s51	1s51	13n 4	1n26	6n54	0s 7	12s26	0s55	17s49	0s55	19s56	0n11	14n26	1s46	20n23	16n21	16s49	17s12	15n18	12s11	6n15
T 2	4 42	15 38	0s17	8 3	1 47	13 32	1 30	7 11	0 7	12 21	0 55	17 48	0 55	19 56	0 11	14 27	1 46	20 23	16 21	16 49	17 13	15 15	12 10	6 15
W 3	4 19	10 47	1 20	7 13	1 42	13 59	1 34	7 28	0 6	12 16	0 55	17 46	0 55	19 56	0 11	14 27	1 46	20 24	16 21	16 49	17 14	15 13	12 9	6 16
T 4	3 55	5 32	2 21	6 22	1 36	14 26	1 39	7 45	0 5	12 12	0 55	17 44	0 55	19 56	0 11	14 28	1 46	20 25	16 21	16 50	17 15	15 10	12 8	6 16
F 5	3 32	0 2	3 16	5 30	1 30	14 53	1 43	8 3	0 4	12 7	0 55	17 43	0 55	19 55	0 11	14 28	1 46	20 25	16 21	16 51	17 15	15 7	12 7	6 16
S 6	3 8	5s32	4 2	4 36	1 23	15 19	1 47	8 20	0 4	12 2	0 55	17 41	0 55	19 55	0 11	14 29	1 46	20 26	16 21	16 53	17 16	15 4	12 5	6 16
S 7	2 45	10 57	4 38	3 42	1 15	15 46	1 52	8 37	0 3	11 57	0 56	17 39	0 55	19 55	0 11	14 29	1 46	20 27	16 21	16 55	17 17	15 1	12 4	6 17
M 8	2 21	16 1	5 1	2 46	1 8	16 11	1 56	8 53	0 2	11 52	0 56	17 38	0 55	19 55	0 11	14 30	1 46	20 27	16 21	16 57	17 18	14 58	12 3	6 17
T 9	1 57	20 28	5 9	1 50	0 59	16 36	2 0	9 10	0 2	11 47	0 56	17 36	0 56	19 55	0 11	14 30	1 46	20 28	16 21	16 59	17 19	14 55	12 2	6 17
W10	1 34	24 1	5 2	0 53	0 50	17 1	2 5	9 27	0 1	11 42	0 56	17 34	0 56	19 55	0 11	14 31	1 46	20 29	16 21	17 1	17 20	14 52	12 1	6 17
T 11	1 10	26 24	4 40	0n 5	0 41	17 26	2 9	9 44	0 0	11 37	0 56	17 33	0 56	19 55	0 11	14 31	1 46	20 29	16 21	17 2	17 21	14 50	12 0	6 18
F 12	0 47	27 18	4 1	1 3	0 31	17 50	2 13	10 0	0n 0	11 33	0 56	17 31	0 56	19 55	0 11	14 32	1 45	20 30	16 20	17 2	17 22	14 47	11 58	6 18
S 13	0 23	26 33	3 8	2 1	0 21	18 14	2 17	10 16	0 1	11 28	0 56	17 30	0 56	19 54	0 11	14 33	1 45	20 30	16 20	17 2	17 23	14 44	11 57	6 18
S 14	0n 1	24 7	2 2	3 0	0 10	18 37	2 21	10 33	0 2	11 23	0 56	17 28	0 56	19 54	0 11	14 33	1 45	20 31	16 20	17 2	17 23	14 41	11 56	6 18
M15	0 24	20 8	0 48	3 58	0n 1	19 0	2 25	10 49	0 2	11 18	0 56	17 26	0 56	19 54	0 11	14 34	1 45	20 31	16 20	17 1	17 24	14 38	11 55	6 19
T 16	0 48	14 51	0n31	4 56	0 12	19 23	2 30	11 5	0 3	11 13	0 57	17 25	0 56	19 54	0 11	14 34	1 45	20 32	16 20	17 1	17 25	14 35	11 54	6 19
W17	1 12	8 39	1 48	5 53	0 24	19 45	2 34	11 21	0 4	11 8	0 57	17 23	0 57	19 54	0 11	14 35	1 45	20 33	16 20	17 2	17 26	14 32	11 53	6 19
T 18	1 35	1 57	2 58	6 50	0 35	20 6	2 38	11 37	0 4	11 4	0 57	17 22	0 57	19 53	0 11	14 35	1 45	20 33	16 20	17 3	17 27	14 29	11 52	6 20
F 19	1 59	4n49	3 56	7 45	0 47	20 27	2 42	11 52	0 5	10 59	0 57	17 20	0 57	19 53	0 11	14 36	1 45	20 34	16 20	17 5	17 28	14 26	11 51	6 20
S 20	2 22	11 14	4 38	8 39	0 58	20 48	2 45	12 8	0 6	10 54	0 57	17 19	0 57	19 53	0 11	14 36	1 45	20 34	16 20	17 7	17 29	14 23	11 49	6 20
S 21	2 45	16 56	5 1	9 32	1 10	21 8	2 49	12 24	0 6	10 49	0 57	17 17	0 57	19 53	0 11	14 37	1 45	20 35	16 20	17 10	17 30	14 20	11 48	6 21
M22	3 9	21 33	5 5	10 23	1 21	21 28	2 53	12 39	0 7	10 45	0 57	17 16	0 57	19 52	0 11	14 38	1 45	20 35	16 19	17 12	17 30	14 18	11 47	6 21
T 23	3 32	24 53	4 52	11 12	1 32	21 47	2 57	12 54	0 8	10 40	0 58	17 15	0 57	19 52	0 11	14 38	1 45	20 35	16 19	17 14	17 31	14 15	11 46	6 21
W24	3 55	26 46	4 24	11 59	1 43	22 6	3 0	13 9	0 8	10 35	0 58	17 13	0 58	19 52	0 11	14 39	1 45	20 36	16 19	17 16	17 32	14 12	11 45	6 22
T 25	4 19	27 11	3 44	12 43	1 53	22 24	3 4	13 24	0 9	10 31	0 58	17 12	0 58	19 52	0 11	14 39	1 45	20 36	16 19	17 17	17 33	14 9	11 44	6 22
F 26	4 42	26 13	2 54	13 25	2 3	22 42	3 8	13 39	0 10	10 26	0 58	17 10	0 58	19 51	0 11	14 40	1 45	20 37	16 19	17 17	17 34	14 6	11 43	6 22
S 27	5 5	24 2	1 57	14 5	2 12	22 59	3 11	13 54	0 10	10 21	0 58	17 9	0 58	19 51	0 11	14 41	1 45	20 37	16 19	17 17	17 35	14 3	11 42	6 23
S 28	5 28	20 50	0 56	14 42	2 20	23 16	3 14	14 9	0 11	10 17	0 58	17 8	0 58	19 51	0 11	14 41	1 45	20 37	16 18	17 17	17 36	14 0	11 41	6 23
M29	5 50	16 48	0s 7	15 16	2 28	23 32	3 18	14 23	0 12	10 12	0 58	17 6	0 58	19 50	0 11	14 42	1 45	20 38	16 18	17 17	17 37	13 57	11 40	6 23
T 30	6 13	12 8	1 9	15 47	2 35	23 47	3 21	14 37	0 12	10 7	0 59	17 5	0 58	19 50	0 11	14 42	1 45	20 38	16 18	17 17	17 37	13 54	11 39	6 24
W31	6n36	7n 1	2s 9	16n15	2n41	24n 3	3n24	14n52	0n13	10s 3	0s59	17s 4	0s59	19s50	0n11	14n43	1s45	20n39	16n18	17s18	17s38	13n51	11s38	6n24

Julian Day Number = 2169278.5, Delta T = 12m28s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'48, Lahiri = 13°04'49 Julian Calendar 1 March 1227 == Greg. Calendar 8 March 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

APRIL 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 3 16	17♈41'09	18♍55	7♉30	3♊16	10♉ 1	6♓47	16♒ 0	28°R55	14♉58	15°R35	11°R48	10♒36	20♌41	10♒ 5	T 1
F 2	13 7 12	18°39'39	1♎ 6	8°27	4°13	10°43	7° 0	16° 4	28♏53	15° 0	15♍34	11♒40	10°33	20°47	10° 7	F 2
S 3	13 11 9	19°38'08	13°30	9°18	5°10	11°26	7°12	16° 9	28°51	15° 2	15°33	11°30	10°30	20°54	10°10	S 3
S 4	13 15 5	20°36'34	26° 7	10° 4	6° 7	12° 8	7°25	16°13	28°50	15° 5	15°31	11°18	10°27	21° 1	10°12	S 4
M 5	13 19 2	21°34'59	8♏59	10°44	7° 3	12°50	7°37	16°18	28°48	15° 7	15°30	11° 6	10°23	21° 7	10°14	M 5
T 6	13 22 58	22°33'21	22° 3	11°18	7°58	13°32	7°49	16°22	28°46	15° 9	15°29	10°55	10°20	21°14	10°16	T 6
W 7	13 26 55	23°31'42	5♐19	11°47	8°53	14°14	8° 2	16°26	28°44	15°11	15°28	10°45	10°17	21°21	10°18	W 7
T 8	13 30 51	24°30'02	18°46	12° 9	9°47	14°56	8°14	16°30	28°42	15°13	15°26	10°38	10°14	21°27	10°20	T 8
F 9	13 34 48	25°28'20	2♑24	12°26	10°41	15°38	8°26	16°34	28°40	15°15	15°25	10°34	10°11	21°34	10°22	F 9
S 10	13 38 45	26°26'36	16°12	12°38	11°34	16°20	8°38	16°38	28°38	15°17	15°24	10°32	10° 8	21°41	10°24	S 10
S 11	13 42 41	27°24'51	0♒10	12°44	12°26	17° 2	8°50	16°42	28°36	15°19	15°23	10°D32	10° 4	21°47	10°26	S 11
M12	13 46 38	28°23'04	14°18	12°R44	13°18	17°44	9° 1	16°46	28°34	15°22	15°22	10°R32	10° 1	21°54	10°28	M12
T 13	13 50 34	29°21'16	28°35	12°39	14° 9	18°26	9°13	16°50	28°32	15°24	15°21	10°31	9°58	22° 1	10°29	T 13
W14	13 54 31	0♉19'26	12♓59	12°29	15° 0	19° 7	9°25	16°53	28°30	15°26	15°20	10°28	9°55	22° 7	10°31	W14
T 15	13 58 27	1°17'35	27°26	12°14	15°49	19°49	9°36	16°57	28°28	15°28	15°19	10°23	9°52	22°14	10°33	T 15
F 16	14 2 24	2°15'42	11♈52	11°55	16°38	20°31	9°48	17° 0	28°26	15°30	15°18	10°14	9°49	22°20	10°34	F 16
S 17	14 6 20	3°13'47	26°11	11°31	17°26	21°12	9°59	17° 4	28°24	15°33	15°17	10° 3	9°45	22°27	10°36	S 17
S 18	14 10 17	4°11'51	10♉17	11° 5	18°14	21°54	10°10	17° 7	28°22	15°35	15°16	9°51	9°42	22°34	10°37	S 18
M19	14 14 14	5° 9'53	24° 4	10°35	19° 0	22°36	10°22	17°10	28°20	15°37	15°15	9°40	9°39	22°40	10°38	M19
T 20	14 18 10	6° 7'54	7♊28	10° 2	19°46	23°17	10°33	17°13	28°17	15°39	15°14	9°29	9°36	22°47	10°40	T 20
W21	14 22 7	7° 5'53	20°30	9°28	20°30	23°59	10°44	17°16	28°15	15°41	15°13	9°20	9°33	22°54	10°41	W21
T 22	14 26 3	8° 3'50	3♋ 9	8°52	21°14	24°40	10°55	17°19	28°13	15°44	15°12	9°15	9°29	23° 0	10°42	T 22
F 23	14 30 0	9° 1'45	15°29	8°16	21°57	25°21	11° 5	17°22	28°11	15°46	15°11	9°11	9°26	23° 7	10°43	F 23
S 24	14 33 56	9°59'38	27°33	7°40	22°38	26° 3	11°16	17°25	28° 8	15°48	15°11	9°10	9°23	23°14	10°44	S 24
S 25	14 37 53	10°57'30	9♌27	7° 4	23°19	26°44	11°27	17°27	28° 6	15°50	15°10	9°10	9°20	23°20	10°45	S 25
M26	14 41 49	11°55'19	21°16	6°30	23°59	27°25	11°37	17°30	28° 4	15°53	15° 9	9° 9	9°17	23°27	10°46	M26
T 27	14 45 46	12°53'07	3♍ 5	5°57	24°37	28° 6	11°47	17°33	28° 1	15°55	15° 8	9° 8	9°14	23°34	10°47	T 27
W28	14 49 43	13°50'53	15° 0	5°27	25°14	28°48	11°58	17°35	27°59	15°57	15° 8	9° 5	9°10	23°40	10°47	W28
T 29	14 53 39	14°48'38	27° 5	4°59	25°50	29°29	12° 8	17°37	27°57	15°59	15° 7	9° 0	9° 7	23°47	10°48	T 29
F 30	14 57 36	15♉46'21	9♎24	4♉35	26♊25	0♊10	12♓18	17♒39	27♏54	16♉ 2	15♍ 6	8♒51	9♒ 4	23♌54	10♒49	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n58	1n35	3s 4	16n41	2n46	24n17	3n27	15n 6	0n13	9s58	0s59	17s 3	0s59	19s49	0n11	14n44	1s45	20n39	16n18	17s19	17s39	13n48	11s37	6n24
F 2	7 21	3s58	3 50	17 4	2 50	24 31	3 30	15 20	0 14	9 54	0 59	17 1	0 59	19 49	0 11	14 44	1 45	20 39	16 17	17 22	17 40	13 45	11 36	6 25
S 3	7 43	9 27	4 27	17 23	2 53	24 45	3 33	15 33	0 15	9 49	0 59	17 0	0 59	19 49	0 11	14 45	1 45	20 39	16 17	17 24	17 41	13 42	11 35	6 25
S 4	8 5	14 39	4 52	17 40	2 55	24 58	3 36	15 47	0 15	9 45	0 59	16 59	0 59	19 48	0 11	14 46	1 45	20 40	16 17	17 28	17 42	13 39	11 34	6 26
M 5	8 27	19 18	5 2	17 53	2 56	25 10	3 38	16 1	0 16	9 40	1 0	16 58	0 59	19 48	0 11	14 46	1 45	20 40	16 17	17 31	17 43	13 37	11 33	6 26
T 6	8 49	23 7	4 56	18 4	2 56	25 22	3 41	16 14	0 17	9 36	1 0	16 57	1 0	19 47	0 11	14 47	1 45	20 40	16 16	17 34	17 43	13 34	11 32	6 26
W 7	9 10	25 47	4 35	18 12	2 54	25 33	3 43	16 27	0 17	9 31	1 0	16 56	1 0	19 47	0 11	14 48	1 45	20 40	16 16	17 37	17 44	13 31	11 31	6 27
T 8	9 32	27 1	3 58	18 16	2 52	25 44	3 46	16 40	0 18	9 27	1 0	16 55	1 0	19 47	0 11	14 48	1 45	20 41	16 16	17 39	17 45	13 28	11 30	6 27
F 9	9 53	26 39	3 8	18 18	2 48	25 54	3 48	16 53	0 18	9 23	1 0	16 53	1 0	19 46	0 11	14 49	1 44	20 41	16 15	17 40	17 46	13 25	11 30	6 28
S 10	10 15	24 38	2 5	18 16	2 43	26 4	3 50	17 6	0 19	9 18	1 1	16 52	1 0	19 46	0 11	14 49	1 44	20 41	16 15	17 40	17 47	13 22	11 29	6 28
S 11	10 36	21 6	0 55	18 12	2 36	26 13	3 52	17 18	0 19	9 14	1 1	16 51	1 0	19 45	0 11	14 50	1 44	20 41	16 15	17 40	17 48	13 19	11 28	6 28
M12	10 57	16 18	0n20	18 5	2 29	26 21	3 53	17 31	0 20	9 10	1 1	16 50	1 1	19 45	0 11	14 51	1 44	20 41	16 15	17 40	17 49	13 16	11 27	6 29
T 13	11 17	10 33	1 34	17 55	2 20	26 29	3 55	17 43	0 21	9 5	1 1	16 49	1 1	19 44	0 11	14 51	1 44	20 42	16 14	17 41	17 50	13 13	11 26	6 29
W14	11 38	4 13	2 43	17 42	2 10	26 37	3 57	17 55	0 21	9 1	1 1	16 48	1 1	19 44	0 11	14 52	1 44	20 42	16 14	17 41	17 50	13 10	11 25	6 29
T 15	11 58	2n21	3 41	17 27	1 58	26 43	3 58	18 7	0 22	8 57	1 1	16 48	1 1	19 44	0 11	14 53	1 44	20 42	16 14	17 43	17 51	13 7	11 25	6 30
F 16	12 19	8 47	4 25	17 9	1 46	26 50	3 59	18 19	0 22	8 53	1 2	16 47	1 1	19 43	0 11	14 53	1 44	20 42	16 13	17 45	17 52	13 4	11 24	6 30
S 17	12 39	14 41	4 52	16 49	1 32	26 56	4 0	18 30	0 23	8 49	1 2	16 46	1 1	19 43	0 11	14 54	1 44	20 42	16 13	17 48	17 53	13 1	11 23	6 31
S 18	12 58	19 43	5 1	16 27	1 18	27 1	4 1	18 42	0 24	8 45	1 2	16 45	1 2	19 42	0 11	14 55	1 44	20 42	16 13	17 51	17 54	12 58	11 22	6 31
M19	13 18	23 34	4 51	16 3	1 2	27 6	4 1	18 53	0 24	8 40	1 2	16 44	1 2	19 42	0 11	14 55	1 44	20 42	16 12	17 54	17 55	12 55	11 21	6 32
T 20	13 37	26 1	4 26	15 37	0 46	27 10	4 2	19 4	0 25	8 36	1 2	16 43	1 2	19 41	0 11	14 56	1 44	20 42	16 12	17 57	17 55	12 52	11 21	6 32
W21	13 56	26 59	3 47	15 10	0 30	27 13	4 2	19 15	0 25	8 32	1 3	16 43	1 2	19 41	0 11	14 57	1 44	20 42	16 11	18 0	17 56	12 49	11 20	6 32
T 22	14 15	26 28	2 58	14 43	0 13	27 17	4 2	19 26	0 26	8 29	1 3	16 42	1 2	19 40	0 11	14 57	1 44	20 42	16 11	18 1	17 57	12 46	11 19	6 33
F 23	14 34	24 39	2 2	14 15	0s 5	27 19	4 2	19 37	0 26	8 25	1 3	16 41	1 2	19 40	0 11	14 58	1 44	20 42	16 11	18 2	17 58	12 43	11 19	6 33
S 24	14 52	21 44	1 1	13 47	0 22	27 21	4 2	19 47	0 27	8 21	1 3	16 40	1 3	19 39	0 11	14 59	1 44	20 42	16 10	18 2	17 59	12 40	11 18	6 34
S 25	15 11	17 56	0s 2	13 19	0 39	27 23	4 1	19 57	0 27	8 17	1 4	16 40	1 3	19 39	0 11	14 59	1 44	20 42	16 10	18 2	18 0	12 37	11 17	6 34
M26	15 29	13 28	1 4	12 51	0 56	27 24	4 0	20 7	0 28	8 13	1 4	16 39	1 3	19 38	0 11	15 0	1 44	20 42	16 10	18 2	18 1	12 34	11 17	6 34
T 27	15 46	8 30	2 3	12 25	1 13	27 25	3 59	20 17	0 28	8 9	1 4	16 39	1 3	19 38	0 11	15 1	1 44	20 42	16 9	18 3	18 1	12 31	11 16	6 35
W28	16 4	3 12	2 58	11 59	1 29	27 25	3 58	20 27	0 29	8 6	1 4	16 38	1 3	19 37	0 11	15 1	1 44	20 42	16 9	18 4	18 2	12 28	11 15	6 35
T 29	16 21	2s16	3 45	11 36	1 45	27 25	3 56	20 36	0 30	8 2	1 4	16 38	1 4	19 37	0 11	15 2	1 44	20 42	16 8	18 5	18 3	12 25	11 15	6 36
F 30	16n38	7s45	4s22	11n14	2s 0	27n24	3n54	20n46	0n30	7s58	1s 5	16s37	1s 4	19s36	0n11	15n 2	1s44	20n42	16n 8	18s 7	18s 4	12n22	11s14	6n36

Julian Day Number = 2169309.5, Delta T = 12m27s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'53, Lahiri = 13°04'53 Julian Calendar 1 Apr. 1227 == Greg. Calendar 8 Apr. 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

MAY 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 1 32	16♉44'02	22♎ 0	4°R14	26♊58	0♊51	12♓28	17♒42	27°R52	16♉ 4	15°R 6	8°R41	9♒ 1	24♌ 0	10♒49	S 1
S 2	15 5 29	17°41'42	4♏53	3♉57	27°30	1°32	12°38	17°44	27♏49	16° 6	15♍ 5	8♒29	8°58	24° 7	10°50	S 2
M 3	15 9 25	18°39'20	18° 4	3°45	28° 0	2°13	12°47	17°45	27°47	16° 8	15° 5	8°17	8°54	24°13	10°50	M 3
T 4	15 13 22	19°36'57	1♐31	3°36	28°29	2°54	12°57	17°47	27°44	16°11	15° 4	8° 5	8°51	24°20	10°51	T 4
W 5	15 17 18	20°34'33	15°11	3°D32	28°56	3°35	13° 6	17°49	27°42	16°13	15° 4	7°55	8°48	24°27	10°51	W 5
T 6	15 21 15	21°32'08	29° 1	3°33	29°22	4°15	13°16	17°51	27°40	16°15	15° 3	7°48	8°45	24°33	10°51	T 6
F 7	15 25 12	22°29'42	12♑59	3°38	29°46	4°56	13°25	17°52	27°37	16°17	15° 3	7°44	8°42	24°40	10°51	F 7
S 8	15 29 8	23°27'15	27° 1	3°47	0♋ 9	5°37	13°34	17°54	27°35	16°20	15° 2	7°42	8°39	24°47	10°51	S 8
S 9	15 33 5	24°24'47	11♒ 7	4° 1	0°29	6°18	13°43	17°55	27°32	16°22	15° 2	7°D41	8°35	24°53	10°R51	S 9
M10	15 37 1	25°22'18	25°14	4°20	0°48	6°58	13°52	17°56	27°30	16°24	15° 2	7°R42	8°32	25° 0	10°51	M10
T 11	15 40 58	26°19'48	9♓22	4°43	1° 5	7°39	14° 0	17°57	27°27	16°26	15° 2	7°41	8°29	25° 7	10°51	T 11
W12	15 44 54	27°17'17	23°30	5°10	1°20	8°20	14° 9	17°59	27°25	16°28	15° 1	7°39	8°26	25°13	10°51	W12
T 13	15 48 51	28°14'46	7♈36	5°41	1°33	9° 0	14°17	17°59	27°22	16°31	15° 1	7°34	8°23	25°20	10°51	T 13
F 14	15 52 47	29°12'13	21°36	6°16	1°43	9°41	14°26	18° 0	27°20	16°33	15° 1	7°27	8°20	25°27	10°51	F 14
S 15	15 56 44	0♊ 9'40	5♉29	6°56	1°52	10°21	14°34	18° 1	27°17	16°35	15° 1	7°17	8°16	25°33	10°50	S 15
S 16	16 0 41	1° 7'06	19°10	7°39	1°59	11° 2	14°42	18° 2	27°15	16°37	15° 1	7° 6	8°13	25°40	10°50	S 16
M17	16 4 37	2° 4'31	2♊37	8°26	2° 3	11°42	14°50	18° 2	27°12	16°40	15° 0	6°56	8°10	25°47	10°49	M17
T 18	16 8 34	3° 1'56	15°45	9°17	2°R 5	12°22	14°58	18° 3	27°10	16°42	15° 0	6°46	8° 7	25°53	10°49	T 18
W19	16 12 30	3°59'19	28°36	10°12	2° 5	13° 3	15° 5	18° 3	27° 7	16°44	15°D 0	6°38	8° 4	26° 0	10°48	W19
T 20	16 16 27	4°56'42	11♋ 8	11°10	2° 2	13°43	15°13	18° 3	27° 5	16°46	15° 0	6°33	8° 0	26° 7	10°48	T 20
F 21	16 20 23	5°54'03	23°24	12°11	1°57	14°23	15°20	18° 4	27° 2	16°48	15° 0	6°30	7°57	26°13	10°47	F 21
S 22	16 24 20	6°51'23	5♌27	13°16	1°50	15° 4	15°27	18°R 4	27° 0	16°50	15° 0	6°D29	7°54	26°20	10°46	S 22
S 23	16 28 17	7°48'43	17°20	14°24	1°40	15°44	15°34	18° 4	26°58	16°52	15° 1	6°30	7°51	26°27	10°45	S 23
M24	16 32 13	8°46'01	29° 9	15°36	1°28	16°24	15°41	18° 4	26°55	16°55	15° 1	6°31	7°48	26°33	10°44	M24
T 25	16 36 10	9°43'18	10♍59	16°50	1°13	17° 4	15°48	18° 3	26°53	16°57	15° 1	6°R31	7°45	26°40	10°43	T 25
W26	16 40 6	10°40'35	22°55	18° 8	0°56	17°44	15°54	18° 3	26°50	16°59	15° 1	6°30	7°41	26°47	10°42	W26
T 27	16 44 3	11°37'50	5♎ 2	19°29	0°36	18°24	16° 1	18° 3	26°48	17° 1	15° 1	6°27	7°38	26°53	10°41	T 27
F 28	16 47 59	12°35'05	17°25	20°53	0°15	19° 4	16° 7	18° 2	26°46	17° 3	15° 2	6°22	7°35	27° 0	10°40	F 28
S 29	16 51 56	13°32'18	0♏ 7	22°20	29♊51	19°44	16°13	18° 1	26°43	17° 5	15° 2	6°16	7°32	27° 6	10°39	S 29
S 30	16 55 52	14°29'32	13°11	23°50	29°25	20°24	16°19	18° 1	26°41	17° 7	15° 2	6° 8	7°29	27°13	10°37	S 30
M31	16 59 49	15♊26'44	26♏36	25♉24	28♊57	21♊ 4	16♓25	18♒ 0	26♏39	17♉ 9	15♍ 3	5♒59	7♒26	27♌20	10♒36	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n54	13s 3	4s48	10n54	2s13	27n23	3n52	20n55	0n31	7s55	1s 5	16s37	1s 4	19s35	0n11	15n 3	1s44	20n41	16n 8	18s10	18s 5	12n19	11s14	6n37
S 2	17 11	17 54	5 0	10 36	2 26	27 21	3 50	21 4	0 31	7 51	1 5	16 36	1 4	19 35	0 11	15 4	1 44	20 41	16 7	18 13	18 6	12 16	11 13	6 37
M 3	17 27	22 1	4 56	10 20	2 38	27 19	3 47	21 13	0 32	7 48	1 5	16 36	1 4	19 34	0 11	15 4	1 44	20 41	16 7	18 16	18 6	12 13	11 13	6 37
T 4	17 43	25 3	4 36	10 7	2 49	27 16	3 44	21 21	0 32	7 44	1 6	16 35	1 4	19 34	0 11	15 5	1 44	20 41	16 6	18 19	18 7	12 10	11 12	6 38
W 5	17 58	26 42	4 0	9 56	2 59	27 13	3 41	21 29	0 33	7 41	1 6	16 35	1 5	19 33	0 11	15 6	1 44	20 41	16 6	18 22	18 8	12 7	11 12	6 38
T 6	18 13	26 42	3 10	9 48	3 8	27 10	3 37	21 38	0 33	7 37	1 6	16 35	1 5	19 33	0 11	15 6	1 44	20 41	16 6	18 24	18 9	12 4	11 11	6 39
F 7	18 28	25 1	2 7	9 43	3 16	27 6	3 33	21 46	0 34	7 34	1 6	16 34	1 5	19 32	0 11	15 7	1 44	20 40	16 5	18 25	18 10	12 1	11 11	6 39
S 8	18 43	21 46	0 56	9 39	3 23	27 2	3 29	21 54	0 34	7 31	1 6	16 34	1 5	19 32	0 11	15 8	1 44	20 40	16 5	18 25	18 11	11 58	11 10	6 39
S 9	18 57	17 13	0n18	9 39	3 28	26 57	3 24	22 1	0 35	7 27	1 7	16 34	1 5	19 31	0 11	15 8	1 44	20 40	16 4	18 25	18 11	11 55	11 10	6 40
M10	19 11	11 44	1 32	9 41	3 33	26 52	3 19	22 9	0 35	7 24	1 7	16 34	1 6	19 31	0 11	15 9	1 44	20 40	16 4	18 25	18 12	11 52	11 10	6 40
T 11	19 25	5 37	2 40	9 45	3 36	26 46	3 14	22 16	0 36	7 21	1 7	16 33	1 6	19 30	0 11	15 10	1 44	20 39	16 3	18 26	18 13	11 49	11 9	6 41
W12	19 38	0n45	3 38	9 51	3 39	26 40	3 8	22 23	0 36	7 18	1 7	16 33	1 6	19 29	0 11	15 10	1 44	20 39	16 3	18 26	18 14	11 46	11 9	6 41
T 13	19 51	7 3	4 23	10 0	3 41	26 34	3 2	22 30	0 37	7 15	1 8	16 33	1 6	19 29	0 11	15 11	1 44	20 39	16 2	18 27	18 15	11 43	11 8	6 42
F 14	20 4	12 57	4 51	10 11	3 41	26 27	2 56	22 36	0 37	7 12	1 8	16 33	1 6	19 28	0 11	15 11	1 44	20 38	16 2	18 29	18 16	11 40	11 8	6 42
S 15	20 16	18 9	5 3	10 24	3 41	26 20	2 49	22 43	0 38	7 9	1 8	16 33	1 6	19 28	0 11	15 12	1 44	20 38	16 2	18 32	18 16	11 37	11 8	6 42
S 16	20 28	22 20	4 56	10 39	3 40	26 13	2 41	22 49	0 38	7 6	1 8	16 33	1 7	19 27	0 11	15 13	1 44	20 38	16 1	18 34	18 17	11 34	11 8	6 43
M17	20 40	25 14	4 33	10 56	3 38	26 5	2 33	22 55	0 39	7 3	1 9	16 33	1 7	19 27	0 11	15 13	1 44	20 37	16 1	18 37	18 18	11 31	11 7	6 43
T 18	20 51	26 41	3 56	11 14	3 36	25 56	2 25	23 1	0 39	7 1	1 9	16 33	1 7	19 26	0 11	15 14	1 44	20 37	16 0	18 40	18 19	11 28	11 7	6 44
W19	21 2	26 40	3 8	11 35	3 32	25 48	2 16	23 7	0 39	6 58	1 9	16 33	1 7	19 26	0 11	15 14	1 44	20 36	16 0	18 42	18 20	11 25	11 7	6 44
T 20	21 13	25 15	2 11	11 56	3 28	25 39	2 7	23 12	0 40	6 55	1 10	16 33	1 7	19 25	0 11	15 15	1 44	20 36	15 59	18 43	18 21	11 22	11 7	6 44
F 21	21 23	22 39	1 10	12 20	3 23	25 29	1 58	23 17	0 40	6 53	1 10	16 33	1 8	19 24	0 11	15 16	1 44	20 36	15 59	18 44	18 21	11 19	11 6	6 45
S 22	21 33	19 5	0 6	12 45	3 18	25 19	1 47	23 23	0 41	6 50	1 10	16 33	1 8	19 24	0 11	15 16	1 44	20 35	15 58	18 44	18 22	11 16	11 6	6 45
S 23	21 42	14 47	0s58	13 11	3 12	25 9	1 37	23 27	0 41	6 48	1 10	16 34	1 8	19 23	0 11	15 17	1 44	20 35	15 58	18 44	18 23	11 13	11 6	6 46
M24	21 51	9 58	1 59	13 38	3 5	24 58	1 26	23 32	0 42	6 45	1 11	16 34	1 8	19 23	0 11	15 17	1 44	20 34	15 57	18 43	18 24	11 9	11 6	6 46
T 25	22 0	4 48	2 54	14 6	2 58	24 47	1 15	23 37	0 42	6 43	1 11	16 34	1 8	19 22	0 11	15 18	1 44	20 34	15 57	18 43	18 25	11 6	11 6	6 46
W26	22 9	0s35	3 43	14 35	2 50	24 35	1 3	23 41	0 43	6 40	1 11	16 34	1 9	19 22	0 11	15 19	1 44	20 33	15 57	18 44	18 25	11 3	11 6	6 47
T 27	22 17	6 1	4 22	15 5	2 41	24 23	0 51	23 45	0 43	6 38	1 11	16 35	1 9	19 21	0 11	15 19	1 44	20 33	15 56	18 44	18 26	11 0	11 6	6 47
F 28	22 24	11 20	4 50	15 36	2 32	24 11	0 38	23 49	0 43	6 36	1 12	16 35	1 9	19 21	0 11	15 20	1 44	20 32	15 56	18 46	18 27	10 57	11 6	6 47
S 29	22 31	16 19	5 5	16 8	2 23	23 58	0 25	23 52	0 44	6 34	1 12	16 35	1 9	19 20	0 11	15 20	1 44	20 32	15 55	18 47	18 28	10 54	11 6	6 48
S 30	22 38	20 41	5 4	16 40	2 13	23 45	0 12	23 56	0 44	6 32	1 12	16 36	1 9	19 20	0 11	15 21	1 45	20 31	15 55	18 49	18 29	10 51	11 6	6 48
M31	22n45	24s 8	4s47	17n12	2s 3	23n31	0s 1	23n59	0n45	6s30	1s13	16s36	1s 9	19s19	0n11	15n21	1s45	20n31	15n54	18s51	18s30	10n48	11s 6	6n49

Julian Day Number = 2169339.5, Delta T = 12m27s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°57'57, Lahiri = 13°04'57 Julian Calendar 1 May 1227 == Greg. Calendar 8 May 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

JUNE 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 3 46	16♊23'56	10♐22	27♉ 0	28°R27	21♊44	16♓30	17°R59	26°R36	17♉11	15♍ 3	5°R52	7♒22	27♌26	10°R35	T 1
W 2	17 7 42	17°21'07	24°24	28°39	27♊56	22°24	16°36	17♒58	26♏34	17°13	15° 3	5♒45	7°19	27°33	10♒33	W 2
T 3	17 11 39	18°18'19	8♑40	0♊21	27°23	23° 4	16°41	17°57	26°32	17°15	15° 4	5°40	7°16	27°40	10°32	T 3
F 4	17 15 35	19°15'29	23° 3	2° 6	26°49	23°43	16°46	17°56	26°30	17°17	15° 4	5°38	7°13	27°46	10°30	F 4
S 5	17 19 32	20°12'40	7♒28	3°54	26°13	24°23	16°51	17°55	26°27	17°19	15° 5	5°D37	7°10	27°53	10°28	S 5
S 6	17 23 28	21° 9'50	21°51	5°44	25°37	25° 3	16°56	17°53	26°25	17°21	15° 5	5°38	7° 6	28° 0	10°27	S 6
M 7	17 27 25	22° 7'01	6♓10	7°38	25° 0	25°42	17° 1	17°52	26°23	17°23	15° 6	5°39	7° 3	28° 6	10°25	M 7
T 8	17 31 21	23° 4'11	20°21	9°33	24°23	26°22	17° 5	17°50	26°21	17°25	15° 7	5°R40	7° 0	28°13	10°23	T 8
W 9	17 35 18	24° 1'21	4♈23	11°32	23°45	27° 2	17° 9	17°49	26°19	17°27	15° 7	5°39	6°57	28°20	10°21	W 9
T 10	17 39 15	24°58'32	18°15	13°32	23° 8	27°41	17°13	17°47	26°17	17°29	15° 8	5°37	6°54	28°26	10°19	T 10
F 11	17 43 11	25°55'43	1♉56	15°35	22°31	28°21	17°17	17°45	26°15	17°31	15° 9	5°33	6°51	28°33	10°18	F 11
S 12	17 47 8	26°52'54	15°25	17°39	21°54	29° 0	17°21	17°43	26°13	17°32	15° 9	5°28	6°47	28°40	10°16	S 12
S 13	17 51 4	27°50'05	28°41	19°45	21°18	29°40	17°25	17°41	26°11	17°34	15°10	5°22	6°44	28°46	10°13	S 13
M14	17 55 1	28°47'16	11♊44	21°53	20°43	0♋19	17°28	17°39	26° 9	17°36	15°11	5°16	6°41	28°53	10°11	M14
T 15	17 58 57	29°44'27	24°32	24° 1	20° 9	0°59	17°31	17°37	26° 7	17°38	15°12	5°11	6°38	29° 0	10° 9	T 15
W16	18 2 54	0♋41'38	7♋ 6	26°11	19°37	1°38	17°34	17°34	26° 5	17°40	15°13	5° 6	6°35	29° 6	10° 7	W16
T 17	18 6 50	1°38'49	19°26	28°21	19° 6	2°18	17°37	17°32	26° 3	17°41	15°13	5° 4	6°32	29°13	10° 5	T 17
F 18	18 10 47	2°36'00	1♌34	0♋31	18°37	2°57	17°40	17°30	26° 1	17°43	15°14	5°D 2	6°28	29°20	10° 2	F 18
S 19	18 14 44	3°33'12	13°32	2°41	18° 9	3°36	17°42	17°27	25°59	17°45	15°15	5° 3	6°25	29°26	10° 0	S 19
S 20	18 18 40	4°30'23	25°23	4°51	17°44	4°16	17°44	17°24	25°58	17°46	15°16	5° 4	6°22	29°33	9°58	S 20
M21	18 22 37	5°27'33	7♍12	7° 0	17°21	4°55	17°46	17°22	25°56	17°48	15°17	5° 6	6°19	29°40	9°55	M21
T 22	18 26 33	6°24'44	19° 1	9° 8	17° 0	5°34	17°48	17°19	25°54	17°50	15°18	5° 7	6°16	29°46	9°53	T 22
W23	18 30 30	7°21'55	0♎57	11°16	16°41	6°14	17°50	17°16	25°52	17°51	15°19	5° 8	6°12	29°53	9°50	W23
T 24	18 34 26	8°19'06	13° 4	13°22	16°24	6°53	17°51	17°13	25°51	17°53	15°21	5°R 8	6° 9	29°59	9°48	T 24
F 25	18 38 23	9°16'17	25°27	15°27	16°10	7°32	17°52	17°10	25°49	17°55	15°22	5° 7	6° 6	0♍ 6	9°45	F 25
S 26	18 42 19	10°13'28	8♏ 9	17°31	15°58	8°11	17°54	17° 7	25°48	17°56	15°23	5° 5	6° 3	0°13	9°43	S 26
S 27	18 46 16	11°10'39	21°15	19°33	15°49	8°50	17°54	17° 4	25°46	17°58	15°24	5° 2	6° 0	0°20	9°40	S 27
M28	18 50 13	12° 7'51	4♐45	21°33	15°41	9°29	17°55	17° 1	25°45	17°59	15°25	4°59	5°57	0°26	9°37	M28
T 29	18 54 9	13° 5'02	18°40	23°32	15°37	10° 8	17°56	16°58	25°43	18° 1	15°26	4°56	5°53	0°33	9°35	T 29
W30	18 58 6	14♋ 2'14	2♑58	25♋29	15♊34	10♋47	17♓56	16♒54	25♏42	18♉ 2	15♍28	4♒54	5♒50	0♍39	9♒32	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n51	26s16	4s13	17n45	1s53	23n17	0s15	24n 2	0n45	6s28	1s13	16s37	1s10	19s19	0n11	15n22	1s45	20n30	15n54	18s53	18s30	10n45	11s 6	6n49
W 2	22 56	26 49	3 24	18 17	1 42	23 3	0 29	24 5	0 46	6 26	1 13	16 37	1 10	19 18	0 10	15 22	1 45	20 29	15 53	18 55	18 31	10 42	11 6	6 49
T 3	23 1	25 35	2 20	18 50	1 31	22 48	0 43	24 7	0 46	6 24	1 13	16 38	1 10	19 17	0 10	15 23	1 45	20 29	15 53	18 56	18 32	10 39	11 6	6 50
F 4	23 6	22 40	1 8	19 22	1 19	22 33	0 57	24 10	0 46	6 23	1 14	16 38	1 10	19 17	0 10	15 24	1 45	20 28	15 52	18 57	18 33	10 36	11 6	6 50
S 5	23 11	18 19	0n10	19 54	1 8	22 18	1 11	24 12	0 47	6 21	1 14	16 39	1 10	19 16	0 10	15 24	1 45	20 28	15 52	18 57	18 34	10 33	11 6	6 50
S 6	23 15	12 55	1 27	20 26	0 56	22 3	1 25	24 14	0 47	6 19	1 14	16 39	1 11	19 16	0 10	15 25	1 45	20 27	15 51	18 57	18 34	10 30	11 6	6 51
M 7	23 18	6 51	2 38	20 56	0 45	21 48	1 39	24 16	0 48	6 18	1 15	16 40	1 11	19 15	0 10	15 25	1 45	20 26	15 51	18 56	18 35	10 27	11 6	6 51
T 8	23 22	0 30	3 39	21 26	0 33	21 32	1 53	24 18	0 48	6 16	1 15	16 41	1 11	19 15	0 10	15 26	1 45	20 26	15 51	18 56	18 36	10 24	11 6	6 51
W 9	23 24	5n48	4 25	21 54	0 21	21 17	2 7	24 19	0 48	6 15	1 15	16 41	1 11	19 15	0 10	15 26	1 45	20 25	15 50	18 56	18 37	10 21	11 6	6 52
T 10	23 27	11 44	4 56	22 21	0 10	21 2	2 20	24 20	0 49	6 14	1 16	16 42	1 11	19 14	0 10	15 27	1 45	20 24	15 50	18 57	18 38	10 17	11 7	6 52
F 11	23 29	17 2	5 10	22 47	0n 1	20 46	2 34	24 21	0 49	6 12	1 16	16 43	1 12	19 14	0 10	15 27	1 45	20 24	15 49	18 58	18 38	10 14	11 7	6 52
S 12	23 30	21 23	5 6	23 10	0 12	20 31	2 47	24 22	0 50	6 11	1 16	16 43	1 12	19 13	0 10	15 28	1 45	20 23	15 49	18 59	18 39	10 11	11 7	6 53
S 13	23 31	24 35	4 45	23 31	0 23	20 17	2 59	24 22	0 50	6 10	1 16	16 44	1 12	19 13	0 10	15 28	1 45	20 22	15 48	19 0	18 40	10 8	11 7	6 53
M14	23 32	26 25	4 10	23 51	0 33	20 2	3 11	24 23	0 50	6 9	1 17	16 45	1 12	19 12	0 10	15 29	1 45	20 21	15 48	19 2	18 41	10 5	11 8	6 53
T 15	23 32	26 48	3 23	24 7	0 43	19 48	3 23	24 23	0 51	6 8	1 17	16 46	1 12	19 12	0 10	15 29	1 45	20 21	15 47	19 3	18 42	10 2	11 8	6 53
W16	23 32	25 47	2 27	24 21	0 52	19 35	3 34	24 23	0 51	6 7	1 17	16 47	1 12	19 11	0 10	15 29	1 45	20 20	15 47	19 4	18 42	9 59	11 8	6 54
T 17	23 32	23 31	1 24	24 33	1 1	19 22	3 44	24 23	0 52	6 6	1 18	16 48	1 13	19 11	0 10	15 30	1 45	20 19	15 47	19 5	18 43	9 56	11 9	6 54
F 18	23 31	20 12	0 19	24 41	1 9	19 9	3 55	24 22	0 52	6 6	1 18	16 49	1 13	19 11	0 10	15 30	1 45	20 18	15 46	19 5	18 44	9 53	11 9	6 54
S 19	23 30	16 5	0s46	24 47	1 16	18 58	4 4	24 22	0 52	6 5	1 18	16 50	1 13	19 10	0 10	15 31	1 45	20 18	15 46	19 5	18 45	9 50	11 9	6 55
S 20	23 28	11 24	1 49	24 50	1 23	18 46	4 13	24 21	0 53	6 4	1 19	16 51	1 13	19 10	0 10	15 31	1 45	20 17	15 45	19 5	18 46	9 47	11 10	6 55
M21	23 26	6 19	2 47	24 50	1 29	18 36	4 21	24 20	0 53	6 4	1 19	16 52	1 13	19 9	0 10	15 32	1 45	20 16	15 45	19 4	18 46	9 44	11 10	6 55
T 22	23 23	1 1	3 38	24 48	1 34	18 26	4 29	24 19	0 53	6 3	1 19	16 53	1 13	19 9	0 10	15 32	1 45	20 15	15 44	19 4	18 47	9 40	11 10	6 55
W23	23 20	4s22	4 20	24 42	1 39	18 17	4 36	24 17	0 54	6 3	1 20	16 54	1 14	19 9	0 10	15 32	1 45	20 15	15 44	19 4	18 48	9 37	11 11	6 56
T 24	23 17	9 39	4 52	24 34	1 43	18 9	4 43	24 16	0 54	6 3	1 20	16 55	1 14	19 8	0 10	15 33	1 45	20 14	15 44	19 4	18 49	9 34	11 11	6 56
F 25	23 13	14 41	5 10	24 23	1 46	18 2	4 49	24 14	0 54	6 3	1 20	16 56	1 14	19 8	0 10	15 33	1 45	20 13	15 43	19 4	18 50	9 31	11 12	6 56
S 26	23 9	19 14	5 14	24 10	1 48	17 55	4 54	24 12	0 55	6 2	1 21	16 57	1 14	19 7	0 10	15 34	1 45	20 12	15 43	19 5	18 50	9 28	11 12	6 56
S 27	23 4	23 0	5 2	23 55	1 49	17 49	4 59	24 10	0 55	6 2	1 21	16 58	1 14	19 7	0 10	15 34	1 45	20 11	15 42	19 5	18 51	9 25	11 13	6 56
M28	22 59	25 39	4 33	23 37	1 50	17 44	5 4	24 7	0 56	6 2	1 21	16 59	1 14	19 7	0 10	15 34	1 46	20 10	15 42	19 6	18 52	9 22	11 13	6 57
T 29	22 54	26 50	3 48	23 18	1 50	17 40	5 8	24 5	0 56	6 2	1 21	17 0	1 15	19 6	0 10	15 35	1 46	20 10	15 42	19 7	18 53	9 19	11 14	6 57
W30	22n48	26s17	2s47	22n56	1n50	17n36	5s11	24n 2	0n56	6s 3	1s22	17s 1	1s15	19s 6	0n10	15n35	1s46	20n 9	15n41	19s 7	18s54	9n16	11s14	6n57

Julian Day Number = 2169370.5, Delta T = 12m27s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'01, Lahiri = 13°05'01 Julian Calendar 1 June 1227 == Greg. Calendar 8 June 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

JULY 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 2	14♋59'27	17♉32	27♋24	15°D34	11♋26	17°R56	16°R51	25°R41	18♉ 3	15♍29	4°R52	5♒47	0♍46	9°R29	T 1
F 2	19 5 59	15°56'40	2♒18	29°18	15♊37	12° 5	17♓56	16♒47	25♏39	18° 5	15°30	4°D51	5°44	0°53	9♒26	F 2
S 3	19 9 55	16°53'54	17° 8	1♌10	15°41	12°44	17°56	16°44	25°38	18° 6	15°32	4♒52	5°41	0°59	9°23	S 3
S 4	19 13 52	17°51'08	1♓55	3° 0	15°48	13°23	17°55	16°40	25°37	18° 7	15°33	4°52	5°38	1° 6	9°20	S 4
M 5	19 17 49	18°48'23	16°33	4°48	15°57	14° 2	17°55	16°36	25°36	18° 9	15°34	4°54	5°34	1°13	9°18	M 5
T 6	19 21 45	19°45'39	0♈56	6°35	16° 8	14°41	17°54	16°33	25°35	18°10	15°36	4°55	5°31	1°19	9°15	T 6
W 7	19 25 42	20°42'56	15° 3	8°20	16°21	15°20	17°53	16°29	25°34	18°11	15°37	4°R55	5°28	1°26	9°12	W 7
T 8	19 29 38	21°40'14	28°52	10° 3	16°36	15°59	17°51	16°25	25°33	18°13	15°39	4°55	5°25	1°33	9° 9	T 8
F 9	19 33 35	22°37'33	12♉23	11°44	16°53	16°38	17°50	16°21	25°32	18°14	15°40	4°54	5°22	1°39	9° 6	F 9
S 10	19 37 31	23°34'53	25°36	13°23	17°12	17°16	17°48	16°17	25°31	18°15	15°42	4°53	5°18	1°46	9° 3	S 10
S 11	19 41 28	24°32'15	8♊33	15° 1	17°33	17°55	17°46	16°13	25°30	18°16	15°43	4°52	5°15	1°53	9° 0	S 11
M12	19 45 24	25°29'37	21°15	16°37	17°55	18°34	17°44	16° 9	25°29	18°17	15°45	4°51	5°12	1°59	8°56	M12
T 13	19 49 21	26°27'00	3♋43	18°12	18°19	19°13	17°42	16° 5	25°28	18°18	15°46	4°50	5° 9	2° 6	8°53	T 13
W14	19 53 18	27°24'25	16° 0	19°44	18°45	19°51	17°40	16° 1	25°27	18°19	15°48	4°49	5° 6	2°13	8°50	W14
T 15	19 57 14	28°21'50	28° 8	21°15	19°13	20°30	17°37	15°57	25°27	18°20	15°50	4°49	5° 3	2°19	8°47	T 15
F 16	20 1 11	29°19'16	10♌ 6	22°44	19°42	21° 9	17°34	15°53	25°26	18°21	15°51	4°D49	4°59	2°26	8°44	F 16
S 17	20 5 7	0♌16'43	21°59	24°11	20°12	21°47	17°31	15°48	25°25	18°22	15°53	4°49	4°56	2°33	8°41	S 17
S 18	20 9 4	1°14'11	3♍48	25°37	20°44	22°26	17°28	15°44	25°25	18°23	15°55	4°49	4°53	2°39	8°38	S 18
M19	20 13 0	2°11'40	15°36	27° 1	21°17	23° 5	17°25	15°40	25°24	18°24	15°56	4°49	4°50	2°46	8°35	M19
T 20	20 16 57	3° 9'10	27°26	28°22	21°51	23°43	17°21	15°36	25°24	18°25	15°58	4°50	4°47	2°53	8°31	T 20
W21	20 20 53	4° 6'41	9♎22	29°42	22°27	24°22	17°17	15°31	25°23	18°26	16° 0	4°50	4°44	2°59	8°28	W21
T 22	20 24 50	5° 4'12	21°28	1♍ 0	23° 4	25° 0	17°14	15°27	25°23	18°27	16° 2	4°R50	4°40	3° 6	8°25	T 22
F 23	20 28 47	6° 1'45	3♏48	2°16	23°42	25°39	17° 9	15°22	25°23	18°28	16° 4	4°D50	4°37	3°13	8°22	F 23
S 24	20 32 43	6°59'18	16°27	3°30	24°21	26°17	17° 5	15°18	25°23	18°28	16° 5	4°50	4°34	3°19	8°19	S 24
S 25	20 36 40	7°56'53	29°29	4°42	25° 1	26°56	17° 1	15°13	25°22	18°29	16° 7	4°50	4°31	3°26	8°16	S 25
M26	20 40 36	8°54'28	12♐55	5°52	25°43	27°34	16°56	15° 9	25°22	18°30	16° 9	4°50	4°28	3°33	8°12	M26
T 27	20 44 33	9°52'05	26°49	6°59	26°25	28°13	16°51	15° 5	25°22	18°30	16°11	4°51	4°24	3°39	8° 9	T 27
W28	20 48 29	10°49'43	11♑ 8	8° 5	27° 8	28°51	16°46	15° 0	25°D22	18°31	16°13	4°51	4°21	3°46	8° 6	W28
T 29	20 52 26	11°47'21	25°50	9° 7	27°53	29°30	16°41	14°56	25°22	18°32	16°15	4°52	4°18	3°53	8° 3	T 29
F 30	20 56 22	12°45'01	10♒49	10° 7	28°38	0♌ 8	16°36	14°51	25°22	18°32	16°17	4°R52	4°15	3°59	8° 0	F 30
S 31	21 0 19	13♌42'43	25♒57	11♍ 4	29♊24	0♌46	16♓31	14♒47	25♏22	18♉33	16♍19	4♒51	4♒12	4♍ 6	7♒56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n42	23s56	1s34	22n33	1n49	17n33	5s14	23n59	0n57	6s 3	1s22	17s 3	1s15	19s 6	0n10	15n35	1s46	20n 8	15n41	19s 8	18s54	9n13	11s15	6n57
F 2	22 35	19 57	0 14	22 8	1 47	17 31	5 16	23 56	0 57	6 3	1 22	17 4	1 15	19 6	0 10	15 36	1 46	20 7	15 40	19 8	18 55	9 10	11 15	6 57
S 3	22 28	14 42	1n 7	21 41	1 45	17 30	5 18	23 53	0 57	6 4	1 23	17 5	1 15	19 5	0 10	15 36	1 46	20 6	15 40	19 8	18 56	9 6	11 16	6 58
S 4	22 21	8 36	2 24	21 13	1 42	17 29	5 20	23 49	0 58	6 4	1 23	17 6	1 15	19 5	0 10	15 36	1 46	20 5	15 40	19 8	18 57	9 3	11 16	6 58
M 5	22 13	2 6	3 31	20 44	1 39	17 28	5 21	23 45	0 58	6 5	1 23	17 7	1 15	19 5	0 10	15 37	1 46	20 4	15 39	19 7	18 57	9 0	11 17	6 58
T 6	22 5	4n23	4 23	20 14	1 35	17 29	5 22	23 42	0 58	6 5	1 24	17 9	1 16	19 4	0 10	15 37	1 46	20 3	15 39	19 7	18 58	8 57	11 18	6 58
W 7	21 56	10 32	4 58	19 43	1 30	17 30	5 22	23 37	0 59	6 6	1 24	17 10	1 16	19 4	0 10	15 37	1 46	20 3	15 39	19 7	18 59	8 54	11 18	6 58
T 8	21 47	16 1	5 15	19 10	1 25	17 31	5 22	23 33	0 59	6 7	1 24	17 11	1 16	19 4	0 10	15 38	1 46	20 2	15 38	19 7	19 0	8 51	11 19	6 58
F 9	21 38	20 35	5 14	18 37	1 20	17 33	5 22	23 29	0 59	6 8	1 25	17 13	1 16	19 4	0 10	15 38	1 46	20 1	15 38	19 7	19 1	8 48	11 20	6 58
S 10	21 28	24 2	4 56	18 3	1 14	17 35	5 22	23 24	0 59	6 8	1 25	17 14	1 16	19 4	0 10	15 38	1 46	20 0	15 38	19 7	19 1	8 45	11 20	6 58
S 11	21 18	26 10	4 24	17 29	1 8	17 38	5 21	23 19	1 0	6 9	1 25	17 15	1 16	19 3	0 10	15 38	1 46	19 59	15 37	19 8	19 2	8 42	11 21	6 59
M12	21 8	26 53	3 39	16 54	1 2	17 41	5 20	23 14	1 0	6 11	1 25	17 17	1 16	19 3	0 10	15 39	1 46	19 58	15 37	19 8	19 3	8 38	11 22	6 59
T 13	20 57	26 13	2 44	16 18	0 55	17 44	5 18	23 9	1 0	6 12	1 26	17 18	1 17	19 3	0 10	15 39	1 46	19 57	15 37	19 8	19 4	8 35	11 22	6 59
W14	20 46	24 16	1 42	15 42	0 47	17 48	5 17	23 4	1 1	6 13	1 26	17 19	1 17	19 3	0 10	15 39	1 46	19 56	15 36	19 9	19 4	8 32	11 23	6 59
T 15	20 35	21 14	0 37	15 6	0 40	17 52	5 15	22 58	1 1	6 14	1 26	17 21	1 17	19 3	0 10	15 39	1 46	19 55	15 36	19 9	19 5	8 29	11 24	6 59
F 16	20 23	17 19	0s29	14 30	0 32	17 56	5 13	22 53	1 1	6 16	1 27	17 22	1 17	19 3	0 10	15 40	1 46	19 54	15 36	19 9	19 6	8 26	11 25	6 59
S 17	20 11	12 46	1 34	13 53	0 24	18 1	5 10	22 47	1 2	6 17	1 27	17 23	1 17	19 2	0 10	15 40	1 46	19 53	15 35	19 9	19 7	8 23	11 25	6 59
S 18	19 58	7 46	2 34	13 16	0 15	18 6	5 8	22 41	1 2	6 19	1 27	17 25	1 17	19 2	0 10	15 40	1 47	19 52	15 35	19 8	19 8	8 20	11 26	6 59
M19	19 45	2 31	3 28	12 40	0 6	18 11	5 5	22 35	1 2	6 20	1 28	17 26	1 17	19 2	0 10	15 40	1 47	19 51	15 35	19 8	19 8	8 17	11 27	6 59
T 20	19 32	2s50	4 13	12 3	0s 3	18 16	5 2	22 28	1 2	6 22	1 28	17 28	1 17	19 2	0 10	15 41	1 47	19 50	15 34	19 8	19 9	8 14	11 28	6 59
W21	19 19	8 7	4 47	11 26	0 12	18 21	4 59	22 22	1 3	6 24	1 28	17 29	1 18	19 2	0 10	15 41	1 47	19 49	15 34	19 8	19 10	8 10	11 28	6 59
T 22	19 5	13 10	5 9	10 50	0 21	18 26	4 56	22 15	1 3	6 25	1 28	17 31	1 18	19 2	0 10	15 41	1 47	19 49	15 34	19 8	19 11	8 7	11 29	6 59
F 23	18 51	17 49	5 18	10 14	0 31	18 31	4 53	22 8	1 3	6 27	1 29	17 32	1 18	19 2	0 10	15 41	1 47	19 48	15 34	19 8	19 11	8 4	11 30	6 59
S 24	18 36	21 47	5 11	9 38	0 41	18 36	4 49	22 1	1 4	6 29	1 29	17 33	1 18	19 2	0 10	15 41	1 47	19 47	15 33	19 8	19 12	8 1	11 31	6 59
S 25	18 21	24 49	4 49	9 2	0 51	18 42	4 45	21 54	1 4	6 31	1 29	17 35	1 18	19 2	0 10	15 41	1 47	19 46	15 33	19 8	19 13	7 58	11 32	6 59
M26	18 6	26 35	4 10	8 27	1 1	18 47	4 42	21 47	1 4	6 33	1 29	17 36	1 18	19 2	0 10	15 41	1 47	19 45	15 33	19 8	19 14	7 55	11 32	6 59
T 27	17 51	26 46	3 16	7 53	1 11	18 52	4 38	21 39	1 4	6 35	1 30	17 38	1 18	19 2	0 10	15 42	1 47	19 44	15 33	19 8	19 14	7 52	11 33	6 59
W28	17 35	25 12	2 8	7 19	1 22	18 57	4 34	21 32	1 5	6 37	1 30	17 39	1 18	19 2	0 10	15 42	1 47	19 43	15 32	19 8	19 15	7 49	11 34	6 59
T 29	17 20	21 53	0 50	6 46	1 32	19 2	4 30	21 24	1 5	6 40	1 30	17 40	1 18	19 2	0 10	15 42	1 47	19 42	15 32	19 8	19 16	7 45	11 35	6 59
F 30	17 3	17 4	0n33	6 13	1 43	19 7	4 25	21 16	1 5	6 42	1 30	17 42	1 18	19 2	0 10	15 42	1 47	19 41	15 32	19 8	19 17	7 42	11 36	6 59
S 31	16n47	11s 8	1n54	5n42	1s53	19n11	4s21	21n 8	1n 5	6s44	1s31	17s43	1s18	19s 2	0n10	15n42	1s47	19n40	15n32	19s 8	19s17	7n39	11s37	6n59

Julian Day Number = 2169400.5, Delta T = 12m27s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'05, Lahiri = 13°05'05 Julian Calendar 1 July 1227 == Greg. Calendar 8 July 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

AUGUST 1227 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 4 16	14♌40'25	11♓ 4	11♍59	0♋11	1♌25	16°R25	14°R42	25♏22	18♉33	16♍21	4°R50	4♒ 9	4♍13	7°R53	S 1
M 2	21 8 12	15°38'09	26° 2	12°50	0°58	2° 3	16♓19	14♒37	25°23	18°34	16°23	4♒49	4° 5	4°19	7♒50	M 2
T 3	21 12 9	16°35'55	10♈44	13°39	1°47	2°41	16°14	14°33	25°23	18°34	16°25	4°48	4° 2	4°26	7°47	T 3
W 4	21 16 5	17°33'43	25° 3	14°23	2°36	3°20	16° 8	14°28	25°23	18°34	16°27	4°47	3°59	4°33	7°44	W 4
T 5	21 20 2	18°31'32	8♉57	15° 5	3°26	3°58	16° 1	14°24	25°24	18°35	16°29	4°46	3°56	4°39	7°41	T 5
F 6	21 23 58	19°29'24	22°27	15°42	4°17	4°36	15°55	14°19	25°24	18°35	16°31	4°D46	3°53	4°46	7°38	F 6
S 7	21 27 55	20°27'17	5♊34	16°16	5° 8	5°14	15°49	14°15	25°24	18°35	16°33	4°46	3°50	4°53	7°35	S 7
S 8	21 31 51	21°25'12	18°19	16°45	6° 0	5°53	15°42	14°10	25°25	18°36	16°35	4°47	3°46	4°59	7°32	S 8
M 9	21 35 48	22°23'09	0♋48	17°10	6°53	6°31	15°36	14° 6	25°25	18°36	16°37	4°49	3°43	5° 6	7°28	M 9
T 10	21 39 45	23°21'08	13° 3	17°30	7°46	7° 9	15°29	14° 2	25°26	18°36	16°39	4°50	3°40	5°13	7°25	T 10
W11	21 43 41	24°19'08	25° 7	17°45	8°40	7°47	15°22	13°57	25°27	18°36	16°41	4°51	3°37	5°19	7°22	W11
T 12	21 47 38	25°17'10	7♌ 4	17°55	9°34	8°25	15°15	13°53	25°28	18°36	16°43	4°R51	3°34	5°26	7°19	T 12
F 13	21 51 34	26°15'14	18°55	17°R59	10°29	9° 4	15° 8	13°48	25°28	18°37	16°45	4°51	3°30	5°33	7°17	F 13
S 14	21 55 31	27°13'20	0♍44	17°58	11°25	9°42	15° 1	13°44	25°29	18°37	16°47	4°49	3°27	5°39	7°14	S 14
S 15	21 59 27	28°11'27	12°32	17°50	12°21	10°20	14°53	13°40	25°30	18°R37	16°50	4°46	3°24	5°46	7°11	S 15
M16	22 3 24	29° 9'36	24°22	17°36	13°17	10°58	14°46	13°35	25°31	18°37	16°52	4°42	3°21	5°53	7° 8	M16
T 17	22 7 20	0♍ 7'47	6♎15	17°16	14°14	11°36	14°38	13°31	25°32	18°37	16°54	4°38	3°18	5°59	7° 5	T 17
W18	22 11 17	1° 5'59	18°15	16°50	15°12	12°14	14°31	13°27	25°33	18°37	16°56	4°34	3°15	6° 6	7° 2	W18
T 19	22 15 14	2° 4'13	0♏24	16°17	16°10	12°52	14°23	13°23	25°34	18°36	16°58	4°30	3°11	6°13	6°59	T 19
F 20	22 19 10	3° 2'28	12°45	15°38	17° 8	13°30	14°16	13°19	25°35	18°36	17° 0	4°27	3° 8	6°19	6°57	F 20
S 21	22 23 7	4° 0'45	25°21	14°54	18° 7	14° 8	14° 8	13°15	25°36	18°36	17° 3	4°25	3° 5	6°26	6°54	S 21
S 22	22 27 3	4°59'04	8♐17	14° 4	19° 6	14°46	14° 0	13°11	25°38	18°36	17° 5	4°D25	3° 2	6°33	6°51	S 22
M23	22 31 0	5°57'24	21°35	13° 9	20° 6	15°24	13°52	13° 7	25°39	18°36	17° 7	4°26	2°59	6°39	6°49	M23
T 24	22 34 56	6°55'46	5♑19	12°12	21° 6	16° 2	13°44	13° 3	25°40	18°35	17° 9	4°27	2°56	6°46	6°46	T 24
W25	22 38 53	7°54'09	19°29	11°11	22° 6	16°40	13°36	12°59	25°42	18°35	17°11	4°29	2°52	6°53	6°43	W25
T 26	22 42 49	8°52'34	4♒ 4	10° 9	23° 7	17°18	13°29	12°55	25°43	18°35	17°14	4°R29	2°49	6°59	6°41	T 26
F 27	22 46 46	9°51'01	19° 1	9° 8	24° 8	17°56	13°21	12°51	25°44	18°35	17°16	4°29	2°46	7° 6	6°38	F 27
S 28	22 50 43	10°49'30	4♓12	8° 8	25°10	18°34	13°13	12°47	25°46	18°34	17°18	4°26	2°43	7°13	6°36	S 28
S 29	22 54 39	11°48'00	19°28	7°11	26°12	19°12	13° 5	12°44	25°48	18°34	17°20	4°22	2°40	7°19	6°34	S 29
M30	22 58 36	12°46'32	4♈39	6°18	27°14	19°50	12°57	12°40	25°49	18°33	17°23	4°17	2°36	7°26	6°31	M30
T 31	23 2 32	13♍45'07	19♈34	5♍31	28♋16	20♌28	12♓49	12♒37	25♏51	18♉33	17♍25	4♒11	2♒33	7♍33	6♒29	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n30	4s33	3n 8	5n11	2s 4	19n16	4s16	21n 0	1n 6	6s47	1s31	17s45	1s19	19s 2	0n10	15n42	1s47	19n39	15n31	19s 8	19s18	7n36	11s38	6n59
M 2	16 13	2n12	4 7	4 42	2 14	19 20	4 12	20 52	1 6	6 49	1 31	17 46	1 19	19 2	0 9	15 42	1 47	19 38	15 31	19 8	19 19	7 33	11 38	6 59
T 3	15 56	8 42	4 49	4 14	2 25	19 24	4 7	20 43	1 6	6 52	1 31	17 47	1 19	19 2	0 9	15 42	1 47	19 37	15 31	19 9	19 20	7 30	11 39	6 58
W 4	15 38	14 34	5 12	3 47	2 35	19 28	4 3	20 34	1 6	6 54	1 32	17 49	1 19	19 2	0 9	15 42	1 47	19 36	15 31	19 9	19 20	7 27	11 40	6 58
T 5	15 20	19 31	5 16	3 21	2 46	19 32	3 58	20 26	1 7	6 57	1 32	17 50	1 19	19 2	0 9	15 42	1 48	19 35	15 31	19 9	19 21	7 24	11 41	6 58
F 6	15 2	23 19	5 2	2 58	2 56	19 35	3 53	20 17	1 7	6 59	1 32	17 52	1 19	19 2	0 9	15 42	1 48	19 34	15 30	19 9	19 22	7 20	11 42	6 58
S 7	14 44	25 47	4 32	2 35	3 6	19 38	3 48	20 8	1 7	7 2	1 32	17 53	1 19	19 3	0 9	15 42	1 48	19 33	15 30	19 9	19 23	7 17	11 43	6 58
S 8	14 25	26 50	3 50	2 15	3 15	19 41	3 43	19 58	1 7	7 5	1 32	17 54	1 19	19 3	0 9	15 42	1 48	19 32	15 30	19 9	19 23	7 14	11 44	6 58
M 9	14 7	26 30	2 57	1 57	3 25	19 44	3 38	19 49	1 8	7 8	1 33	17 56	1 19	19 3	0 9	15 42	1 48	19 31	15 30	19 9	19 24	7 11	11 45	6 58
T 10	13 48	24 51	1 58	1 41	3 34	19 46	3 33	19 39	1 8	7 10	1 33	17 57	1 19	19 3	0 9	15 42	1 48	19 30	15 30	19 8	19 25	7 8	11 46	6 57
W11	13 28	22 5	0 54	1 27	3 42	19 48	3 28	19 30	1 8	7 13	1 33	17 58	1 19	19 3	0 9	15 42	1 48	19 29	15 30	19 8	19 26	7 5	11 46	6 57
T 12	13 9	18 23	0s12	1 16	3 50	19 49	3 23	19 20	1 8	7 16	1 33	18 0	1 19	19 3	0 9	15 42	1 48	19 28	15 30	19 8	19 26	7 2	11 47	6 57
F 13	12 49	14 0	1 17	1 7	3 57	19 50	3 18	19 10	1 9	7 19	1 33	18 1	1 19	19 4	0 9	15 42	1 48	19 27	15 29	19 8	19 27	6 58	11 48	6 57
S 14	12 29	9 7	2 18	1 2	4 4	19 51	3 13	19 0	1 9	7 22	1 34	18 2	1 19	19 4	0 9	15 42	1 48	19 26	15 29	19 9	19 28	6 55	11 49	6 57
S 15	12 9	3 55	3 13	1 0	4 10	19 51	3 7	18 50	1 9	7 25	1 34	18 4	1 19	19 4	0 9	15 42	1 48	19 25	15 29	19 9	19 29	6 52	11 50	6 57
M16	11 49	1s25	3 59	1 1	4 14	19 51	3 2	18 40	1 9	7 28	1 34	18 5	1 19	19 4	0 9	15 42	1 48	19 24	15 29	19 10	19 29	6 49	11 51	6 56
T 17	11 28	6 43	4 36	1 6	4 17	19 51	2 57	18 29	1 10	7 31	1 34	18 6	1 20	19 5	0 9	15 42	1 48	19 23	15 29	19 11	19 30	6 46	11 52	6 56
W18	11 8	11 49	5 1	1 14	4 20	19 50	2 52	18 19	1 10	7 34	1 34	18 8	1 20	19 5	0 9	15 42	1 48	19 22	15 29	19 12	19 31	6 43	11 53	6 56
T 19	10 47	16 32	5 13	1 26	4 20	19 48	2 46	18 8	1 10	7 37	1 34	18 9	1 20	19 5	0 9	15 42	1 48	19 22	15 29	19 13	19 32	6 40	11 54	6 56
F 20	10 26	20 39	5 10	1 42	4 19	19 47	2 41	17 58	1 10	7 40	1 34	18 10	1 20	19 5	0 9	15 42	1 48	19 21	15 29	19 14	19 32	6 36	11 55	6 55
S 21	10 5	23 55	4 53	2 2	4 17	19 44	2 36	17 47	1 10	7 43	1 35	18 11	1 20	19 6	0 9	15 42	1 48	19 20	15 29	19 14	19 33	6 33	11 55	6 55
S 22	9 43	26 4	4 20	2 25	4 12	19 42	2 30	17 36	1 11	7 47	1 35	18 12	1 20	19 6	0 9	15 42	1 49	19 19	15 29	19 14	19 34	6 30	11 56	6 55
M23	9 22	26 49	3 33	2 52	4 6	19 38	2 25	17 25	1 11	7 50	1 35	18 14	1 20	19 6	0 9	15 42	1 49	19 18	15 29	19 14	19 35	6 27	11 57	6 55
T 24	9 0	25 59	2 33	3 22	3 57	19 35	2 20	17 13	1 11	7 53	1 35	18 15	1 20	19 7	0 9	15 41	1 49	19 17	15 29	19 14	19 35	6 24	11 58	6 54
W25	8 38	23 27	1 21	3 54	3 47	19 31	2 14	17 2	1 11	7 56	1 35	18 16	1 20	19 7	0 9	15 41	1 49	19 16	15 28	19 13	19 36	6 21	11 59	6 54
T 26	8 17	19 21	0 2	4 29	3 35	19 26	2 9	16 51	1 11	7 59	1 35	18 17	1 20	19 7	0 9	15 41	1 49	19 15	15 28	19 13	19 37	6 18	12 0	6 54
F 27	7 54	13 57	1n18	5 5	3 21	19 21	2 4	16 39	1 12	8 2	1 35	18 18	1 20	19 8	0 9	15 41	1 49	19 14	15 28	19 13	19 37	6 14	12 1	6 54
S 28	7 32	7 36	2 35	5 42	3 5	19 15	1 58	16 28	1 12	8 5	1 35	18 19	1 20	19 8	0 9	15 41	1 49	19 13	15 28	19 14	19 38	6 11	12 2	6 53
S 29	7 10	0 49	3 40	6 19	2 48	19 9	1 53	16 16	1 12	8 8	1 35	18 20	1 20	19 9	0 9	15 41	1 49	19 12	15 28	19 15	19 39	6 8	12 3	6 53
M30	6 48	5n59	4 30	6 55	2 30	19 2	1 48	16 4	1 12	8 12	1 35	18 21	1 20	19 9	0 9	15 40	1 49	19 11	15 28	19 16	19 40	6 5	12 3	6 53
T 31	6n25	12n19	5n 0	7n30	2s11	18n55	1s42	15n52	1n12	8s15	1s35	18s22	1s20	19s 9	0n 9	15n40	1s49	19n11	15n28	19s18	19s40	6n 2	12s 4	6n52

Julian Day Number = 2169431.5, Delta T = 12m27s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'09, Lahiri = 13°05'10 Julian Calendar 1 Aug. 1227 == Greg. Calendar 8 Aug. 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

SEPTEMBER 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 6 29	14♍43'43	4♉ 7	4°R52	29♋19	21♌ 6	12°R41	12°R33	25♏53	18°R32	17♍27	4°R 5	2♒30	7♍39	6°R27	W 1
T 2	23 10 25	15°42'22	18°12	4♍20	0♌23	21°44	12♓33	12♒30	25°54	18♉32	17°29	4♒ 1	2°27	7°46	6♒24	T 2
F 3	23 14 22	16°41'03	1♊48	3°57	1°26	22°21	12°25	12°26	25°56	18°31	17°32	3°58	2°24	7°53	6°22	F 3
S 4	23 18 18	17°39'47	14°56	3°44	2°30	22°59	12°17	12°23	25°58	18°30	17°34	3°D57	2°21	7°59	6°20	S 4
S 5	23 22 15	18°38'33	27°39	3°D40	3°34	23°37	12° 9	12°20	26° 0	18°30	17°36	3°57	2°17	8° 6	6°18	S 5
M 6	23 26 12	19°37'21	10♋ 3	3°46	4°38	24°15	12° 1	12°17	26° 2	18°29	17°38	3°58	2°14	8°13	6°16	M 6
T 7	23 30 8	20°36'11	22°10	4° 3	5°43	24°53	11°53	12°14	26° 4	18°28	17°41	4° 0	2°11	8°19	6°14	T 7
W 8	23 34 5	21°35'04	4♌ 7	4°29	6°48	25°31	11°45	12°11	26° 6	18°28	17°43	4°R 0	2° 8	8°26	6°12	W 8
T 9	23 38 1	22°33'59	15°58	5° 4	7°53	26° 8	11°38	12° 8	26° 8	18°27	17°45	4° 0	2° 5	8°33	6°10	T 9
F 10	23 41 58	23°32'56	27°46	5°48	8°58	26°46	11°30	12° 5	26°10	18°26	17°47	3°57	2° 1	8°39	6° 9	F 10
S 11	23 45 54	24°31'55	9♍34	6°41	10° 4	27°24	11°22	12° 2	26°12	18°25	17°50	3°51	1°58	8°46	6° 7	S 11
S 12	23 49 51	25°30'56	21°25	7°41	11°10	28° 2	11°15	12° 0	26°14	18°24	17°52	3°44	1°55	8°53	6° 5	S 12
M13	23 53 47	26°29'59	3♎20	8°48	12°16	28°39	11° 7	11°57	26°17	18°24	17°54	3°34	1°52	8°59	6° 3	M13
T 14	23 57 44	27°29'05	15°21	10° 1	13°22	29°17	11° 0	11°55	26°19	18°23	17°56	3°24	1°49	9° 6	6° 2	T 14
W15	0 1 40	28°28'12	27°30	11°20	14°29	29°55	10°53	11°52	26°21	18°22	17°58	3°13	1°46	9°13	6° 0	W15
T 16	0 5 37	29°27'21	9♏47	12°44	15°36	0♍33	10°45	11°50	26°24	18°21	18° 1	3° 4	1°42	9°19	5°59	T 16
F 17	0 9 34	0♎26'33	22°15	14°12	16°43	1°10	10°38	11°48	26°26	18°20	18° 3	2°56	1°39	9°26	5°57	F 17
S 18	0 13 30	1°25'46	4♐55	15°43	17°50	1°48	10°31	11°46	26°29	18°19	18° 5	2°50	1°36	9°33	5°56	S 18
S 19	0 17 27	2°25'01	17°51	17°18	18°57	2°26	10°24	11°43	26°31	18°18	18° 7	2°47	1°33	9°39	5°55	S 19
M20	0 21 23	3°24'18	1♑ 4	18°55	20° 5	3° 3	10°18	11°42	26°34	18°17	18°10	2°D46	1°30	9°46	5°54	M20
T 21	0 25 20	4°23'37	14°38	20°34	21°13	3°41	10°11	11°40	26°36	18°16	18°12	2°46	1°27	9°53	5°52	T 21
W22	0 29 16	5°22'57	28°34	22°14	22°21	4°18	10° 5	11°38	26°39	18°14	18°14	2°R47	1°23	10° 0	5°51	W22
T 23	0 33 13	6°22'20	12♒54	23°56	23°29	4°56	9°58	11°36	26°41	18°13	18°16	2°46	1°20	10° 6	5°50	T 23
F 24	0 37 9	7°21'43	27°35	25°39	24°37	5°34	9°52	11°35	26°44	18°12	18°18	2°44	1°17	10°13	5°49	F 24
S 25	0 41 6	8°21'09	12♓33	27°22	25°46	6°11	9°46	11°33	26°47	18°11	18°20	2°39	1°14	10°20	5°48	S 25
S 26	0 45 3	9°20'37	27°40	29° 6	26°55	6°49	9°40	11°32	26°49	18°10	18°23	2°32	1°11	10°26	5°48	S 26
M27	0 48 59	10°20'07	12♈48	0♎50	28° 4	7°26	9°34	11°31	26°52	18° 8	18°25	2°23	1° 7	10°33	5°47	M27
T 28	0 52 56	11°19'38	27°45	2°34	29°13	8° 4	9°28	11°29	26°55	18° 7	18°27	2°12	1° 4	10°40	5°46	T 28
W29	0 56 52	12°19'12	12♉23	4°18	0♍22	8°41	9°23	11°28	26°58	18° 6	18°29	2° 2	1° 1	10°46	5°45	W29
T 30	1 0 49	13♎18'49	26♉35	6♎ 2	1♍31	9♍19	9♓17	11♒27	27♏ 1	18♉ 5	18♍31	1♒53	0♒58	10♍53	5♒45	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n 2	17n48	5n10	8n 3	1s51	18n48	1s37	15n40	1n13	8s18	1s35	18s23	1s20	19s10	0n 9	15n40	1s49	19n10	15n28	19s19	19s41	5n59	12s 5	6n52
T 2	5 40	22 8	5 1	8 33	1 31	18 40	1 32	15 28	1 13	8 21	1 35	18 24	1 20	19 10	0 9	15 40	1 49	19 9	15 28	19 20	19 42	5 56	12 6	6 52
F 3	5 17	25 5	4 35	9 0	1 11	18 31	1 27	15 16	1 13	8 24	1 35	18 25	1 20	19 11	0 9	15 40	1 49	19 8	15 29	19 21	19 43	5 52	12 7	6 51
S 4	4 54	26 34	3 55	9 23	0 52	18 22	1 22	15 4	1 13	8 27	1 35	18 26	1 20	19 11	0 9	15 39	1 49	19 7	15 29	19 21	19 43	5 49	12 8	6 51
S 5	4 31	26 35	3 4	9 42	0 33	18 12	1 16	14 51	1 13	8 30	1 35	18 27	1 20	19 12	0 9	15 39	1 49	19 6	15 29	19 21	19 44	5 46	12 9	6 51
M 6	4 8	25 15	2 6	9 56	0 15	18 2	1 11	14 39	1 13	8 33	1 35	18 28	1 20	19 12	0 9	15 39	1 49	19 5	15 29	19 21	19 45	5 43	12 9	6 50
T 7	3 44	22 45	1 4	10 6	0n 2	17 51	1 6	14 26	1 14	8 36	1 35	18 29	1 20	19 12	0 9	15 39	1 49	19 5	15 29	19 20	19 45	5 40	12 10	6 50
W 8	3 21	19 18	0s 1	10 12	0 19	17 40	1 1	14 14	1 14	8 39	1 35	18 29	1 20	19 13	0 9	15 39	1 49	19 4	15 29	19 20	19 46	5 37	12 11	6 50
T 9	2 58	15 6	1 4	10 13	0 34	17 28	0 56	14 1	1 14	8 42	1 35	18 30	1 20	19 14	0 9	15 38	1 49	19 3	15 29	19 20	19 47	5 34	12 12	6 49
F 10	2 34	10 21	2 5	10 9	0 47	17 16	0 51	13 48	1 14	8 45	1 35	18 31	1 20	19 14	0 9	15 38	1 50	19 2	15 29	19 21	19 48	5 30	12 13	6 49
S 11	2 11	5 15	2 59	10 1	1 0	17 3	0 46	13 35	1 14	8 48	1 35	18 32	1 20	19 15	0 9	15 38	1 50	19 1	15 29	19 22	19 48	5 27	12 13	6 48
S 12	1 47	0s 3	3 47	9 49	1 11	16 50	0 42	13 22	1 14	8 51	1 35	18 33	1 20	19 15	0 9	15 37	1 50	19 1	15 29	19 24	19 49	5 24	12 14	6 48
M13	1 24	5 22	4 24	9 33	1 21	16 36	0 37	13 9	1 15	8 54	1 35	18 33	1 20	19 16	0 9	15 37	1 50	19 0	15 29	19 26	19 50	5 21	12 15	6 48
T 14	1 0	10 31	4 50	9 13	1 29	16 22	0 32	12 56	1 15	8 56	1 35	18 34	1 20	19 16	0 9	15 37	1 50	18 59	15 29	19 29	19 50	5 18	12 16	6 47
W15	0 37	15 20	5 3	8 50	1 36	16 7	0 27	12 43	1 15	8 59	1 35	18 35	1 20	19 17	0 9	15 37	1 50	18 58	15 30	19 31	19 51	5 15	12 16	6 47
T 16	0 13	19 35	5 3	8 23	1 42	15 52	0 23	12 30	1 15	9 2	1 35	18 35	1 20	19 17	0 9	15 36	1 50	18 57	15 30	19 33	19 52	5 12	12 17	6 46
F 17	0s11	23 2	4 48	7 53	1 47	15 36	0 18	12 16	1 15	9 4	1 35	18 36	1 20	19 18	0 9	15 36	1 50	18 57	15 30	19 35	19 53	5 8	12 18	6 46
S 18	0 34	25 27	4 19	7 21	1 51	15 20	0 14	12 3	1 15	9 7	1 35	18 36	1 19	19 18	0 9	15 36	1 50	18 56	15 30	19 37	19 53	5 5	12 19	6 46
S 19	0 58	26 34	3 36	6 47	1 54	15 4	0 9	11 50	1 15	9 9	1 35	18 37	1 19	19 19	0 9	15 35	1 50	18 55	15 30	19 37	19 54	5 2	12 19	6 45
M20	1 22	26 13	2 41	6 10	1 56	14 47	0 5	11 36	1 16	9 12	1 35	18 37	1 19	19 20	0 9	15 35	1 50	18 54	15 30	19 37	19 55	4 59	12 20	6 45
T 21	1 45	24 19	1 35	5 32	1 56	14 29	0 0	11 23	1 16	9 14	1 35	18 38	1 19	19 20	0 9	15 35	1 50	18 54	15 30	19 37	19 55	4 56	12 21	6 44
W22	2 9	20 54	0 22	4 52	1 57	14 11	0n 4	11 9	1 16	9 17	1 35	18 38	1 19	19 21	0 9	15 34	1 50	18 53	15 31	19 37	19 56	4 53	12 21	6 44
T 23	2 32	16 9	0n54	4 11	1 56	13 53	0 8	10 55	1 16	9 19	1 34	18 39	1 19	19 22	0 9	15 34	1 50	18 52	15 31	19 37	19 57	4 49	12 22	6 44
F 24	2 56	10 22	2 8	3 29	1 54	13 34	0 12	10 41	1 16	9 21	1 34	18 39	1 19	19 22	0 9	15 34	1 50	18 52	15 31	19 38	19 57	4 46	12 23	6 43
S 25	3 20	3 53	3 15	2 46	1 53	13 15	0 16	10 28	1 16	9 24	1 34	18 40	1 19	19 23	0 9	15 33	1 50	18 51	15 31	19 39	19 58	4 43	12 23	6 43
S 26	3 43	2n52	4 9	2 2	1 50	12 55	0 20	10 14	1 16	9 26	1 34	18 40	1 19	19 23	0 9	15 33	1 50	18 50	15 31	19 41	19 59	4 40	12 24	6 42
M27	4 7	9 27	4 45	1 18	1 47	12 35	0 24	10 0	1 17	9 28	1 34	18 40	1 19	19 24	0 9	15 32	1 50	18 50	15 32	19 43	20 0	4 37	12 25	6 42
T 28	4 30	15 24	5 1	0 33	1 43	12 14	0 28	9 46	1 17	9 30	1 34	18 40	1 19	19 25	0 9	15 32	1 50	18 49	15 32	19 45	20 0	4 34	12 25	6 41
W29	4 53	20 20	4 57	0s12	1 39	11 53	0 32	9 32	1 17	9 32	1 34	18 41	1 19	19 25	0 9	15 32	1 50	18 49	15 32	19 48	20 1	4 31	12 26	6 41
T 30	5s17	23n56	4n35	0s57	1n35	11n32	0n36	9n18	1n17	9s34	1s33	18s41	1s19	19s26	0n 9	15n31	1s50	18n48	15n32	19s50	20s 2	4n27	12s26	6n40

Julian Day Number = 2169462.5, Delta T = 12m27s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'14, Lahiri = 13°05'14 Julian Calendar 1 Sept. 1227 == Greg. Calendar 8 Sept. 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

OCTOBER 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 4 45	14♎18'27	10♊18	7♎45	2♍41	9♍56	9°R12	11°R26	27♏ 4	18°R 3	18♍33	1°R46	0♒55	11♍ 0	5°R44	F 1
S 2	1 8 42	15°18'08	23°31	9°28	3°51	10°34	9♓ 7	11♒26	27° 7	18♉ 2	18°35	1♒42	0°52	11° 6	5♒44	S 2
S 3	1 12 38	16°17'51	6♋18	11°11	5° 1	11°11	9° 2	11°25	27°10	18° 0	18°37	1°40	0°48	11°13	5°43	S 3
M 4	1 16 35	17°17'37	18°43	12°53	6°11	11°49	8°58	11°24	27°13	17°59	18°39	1°D39	0°45	11°20	5°43	M 4
T 5	1 20 32	18°17'24	0♌50	14°35	7°21	12°26	8°53	11°24	27°16	17°58	18°41	1°R40	0°42	11°26	5°43	T 5
W 6	1 24 28	19°17'14	12°45	16°16	8°31	13° 4	8°49	11°23	27°19	17°56	18°43	1°39	0°39	11°33	5°43	W 6
T 7	1 28 25	20°17'06	24°34	17°57	9°42	13°41	8°45	11°23	27°22	17°55	18°45	1°37	0°36	11°40	5°42	T 7
F 8	1 32 21	21°17'01	6♍22	19°38	10°52	14°19	8°41	11°23	27°25	17°53	18°47	1°32	0°33	11°46	5°42	F 8
S 9	1 36 18	22°16'57	18°11	21°17	12° 3	14°56	8°37	11°D23	27°28	17°52	18°49	1°25	0°29	11°53	5°D42	S 9
S 10	1 40 14	23°16'55	0♏ 7	22°57	13°14	15°33	8°33	11°23	27°31	17°50	18°51	1°15	0°26	12° 0	5°42	S 10
M11	1 44 11	24°16'56	12°10	24°35	14°25	16°11	8°30	11°23	27°35	17°49	18°53	1° 2	0°23	12° 6	5°42	M11
T 12	1 48 7	25°16'59	24°22	26°14	15°36	16°48	8°26	11°23	27°38	17°47	18°55	0°48	0°20	12°13	5°43	T 12
W13	1 52 4	26°17'03	6♏44	27°51	16°47	17°25	8°23	11°24	27°41	17°46	18°57	0°33	0°17	12°20	5°43	W13
T 14	1 56 1	27°17'09	19°17	29°29	17°59	18° 3	8°21	11°24	27°44	17°44	18°59	0°20	0°13	12°26	5°43	T 14
F 15	1 59 57	28°17'18	2♐ 0	1♏ 5	19°10	18°40	8°18	11°25	27°48	17°43	19° 1	0° 9	0°10	12°33	5°44	F 15
S 16	2 3 54	29°17'28	14°54	2°42	20°22	19°17	8°15	11°25	27°51	17°41	19° 2	0° 0	0° 7	12°40	5°44	S 16
S 17	2 7 50	0♏17'39	27°59	4°18	21°33	19°55	8°13	11°26	27°54	17°39	19° 4	29♑55	0° 4	12°46	5°45	S 17
M18	2 11 47	1°17'53	11♑18	5°53	22°45	20°32	8°11	11°27	27°58	17°38	19° 6	29°52	0° 1	12°53	5°45	M18
T 19	2 15 43	2°18'08	24°50	7°28	23°57	21° 9	8° 9	11°28	28° 1	17°36	19° 8	29°52	29♑58	13° 0	5°46	T 19
W20	2 19 40	3°18'24	8♒38	9° 3	25° 9	21°46	8° 8	11°29	28° 5	17°35	19°10	29°52	29°54	13° 7	5°47	W20
T 21	2 23 36	4°18'41	22°44	10°37	26°21	22°24	8° 6	11°30	28° 8	17°33	19°11	29°51	29°51	13°13	5°48	T 21
F 22	2 27 33	5°19'00	7♓ 5	12°11	27°33	23° 1	8° 5	11°31	28°11	17°31	19°13	29°48	29°48	13°20	5°48	F 22
S 23	2 31 30	6°19'21	21°41	13°45	28°46	23°38	8° 4	11°33	28°15	17°30	19°15	29°43	29°45	13°27	5°49	S 23
S 24	2 35 26	7°19'43	6♈26	15°18	29°58	24°15	8° 3	11°34	28°18	17°28	19°16	29°35	29°42	13°33	5°50	S 24
M25	2 39 23	8°20'06	21°13	16°51	1♏10	24°52	8° 3	11°36	28°22	17°26	19°18	29°24	29°38	13°40	5°51	M25
T 26	2 43 19	9°20'32	5♉55	18°24	2°23	25°30	8° 2	11°38	28°25	17°25	19°20	29°12	29°35	13°47	5°52	T 26
W27	2 47 16	10°20'58	20°23	19°56	3°36	26° 7	8°D 2	11°39	28°29	17°23	19°21	29° 0	29°32	13°53	5°54	W27
T 28	2 51 12	11°21'27	4♊30	21°29	4°48	26°44	8° 2	11°41	28°33	17°21	19°23	28°50	29°29	14° 0	5°55	T 28
F 29	2 55 9	12°21'57	18°12	23° 0	6° 1	27°21	8° 2	11°43	28°36	17°20	19°24	28°42	29°26	14° 7	5°56	F 29
S 30	2 59 5	13°22'29	1♋28	24°32	7°14	27°58	8° 3	11°45	28°40	17°18	19°26	28°36	29°23	14°13	5°58	S 30
S 31	3 3 2	14♏23'03	14♋18	26♏ 3	8♏27	28♍35	8♓ 3	11♒48	28♏43	17♉16	19♍27	28♑34	29♑19	14♍20	5♒59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s40	26n 0	3n57	1s42	1n30	11n10	0n39	9n 4	1n17	9s35	1s33	18s41	1s19	19s27	0n 8	15n31	1s50	18n47	15n33	19s51	20s 2	4n24	12s27	6n40	F 1
S 2	6 3	26 30	3 8	2 28	1 25	10 48	0 43	8 50	1 17	9 37	1 33	18 41	1 19	19 28	0 8	15 30	1 50	18 47	15 33	19 52	20 3	4 21	12 27	6 40	S 2
S 3	6 26	25 34	2 10	3 13	1 20	10 26	0 46	8 35	1 17	9 39	1 33	18 41	1 19	19 28	0 8	15 30	1 50	18 46	15 33	19 52	20 4	4 18	12 28	6 39	S 3
M 4	6 49	23 21	1 8	3 58	1 14	10 3	0 50	8 21	1 17	9 41	1 33	18 42	1 19	19 29	0 8	15 30	1 51	18 46	15 33	19 53	20 4	4 15	12 29	6 39	M 4
T 5	7 12	20 8	0 4	4 43	1 9	9 40	0 53	8 7	1 18	9 42	1 33	18 42	1 19	19 30	0 8	15 29	1 51	18 45	15 34	19 52	20 5	4 12	12 29	6 38	T 5
W 6	7 35	16 7	0s59	5 28	1 3	9 17	0 56	7 53	1 18	9 44	1 32	18 42	1 19	19 30	0 8	15 29	1 51	18 44	15 34	19 53	20 6	4 9	12 30	6 38	W 6
T 7	7 58	11 32	1 58	6 12	0 57	8 53	1 0	7 38	1 18	9 45	1 32	18 42	1 19	19 31	0 8	15 28	1 51	18 44	15 34	19 53	20 7	4 5	12 30	6 37	T 7
F 8	8 20	6 32	2 53	6 56	0 50	8 29	1 3	7 24	1 18	9 46	1 32	18 42	1 19	19 32	0 8	15 28	1 51	18 43	15 35	19 54	20 7	4 2	12 30	6 37	F 8
S 9	8 43	1 19	3 40	7 39	0 44	8 5	1 6	7 9	1 18	9 48	1 32	18 42	1 18	19 33	0 8	15 27	1 51	18 43	15 35	19 56	20 8	3 59	12 31	6 36	S 9
S 10	9 5	3s59	4 17	8 23	0 38	7 40	1 8	6 55	1 18	9 49	1 32	18 42	1 18	19 33	0 8	15 27	1 51	18 42	15 35	19 58	20 9	3 56	12 31	6 36	S 10
M11	9 27	9 11	4 44	9 5	0 31	7 15	1 11	6 40	1 18	9 50	1 31	18 42	1 18	19 34	0 8	15 27	1 51	18 42	15 36	20 1	20 9	3 53	12 32	6 35	M11
T 12	9 49	14 6	4 58	9 47	0 24	6 50	1 14	6 26	1 18	9 51	1 31	18 41	1 18	19 35	0 8	15 26	1 51	18 42	15 36	20 4	20 10	3 50	12 32	6 35	T 12
W13	10 11	18 30	4 58	10 29	0 18	6 25	1 17	6 11	1 18	9 52	1 31	18 41	1 18	19 36	0 8	15 26	1 51	18 41	15 36	20 7	20 11	3 46	12 33	6 35	W13
T 14	10 33	22 10	4 44	11 10	0 11	5 59	1 19	5 57	1 18	9 53	1 31	18 41	1 18	19 36	0 8	15 25	1 51	18 41	15 37	20 10	20 11	3 43	12 33	6 34	T 14
F 15	10 55	24 49	4 15	11 50	0 4	5 33	1 22	5 42	1 18	9 53	1 31	18 41	1 18	19 37	0 8	15 25	1 51	18 40	15 37	20 12	20 12	3 40	12 33	6 34	F 15
S 16	11 16	26 13	3 33	12 30	0s 2	5 7	1 24	5 28	1 19	9 54	1 30	18 41	1 18	19 38	0 8	15 24	1 51	18 40	15 37	20 14	20 13	3 37	12 34	6 33	S 16
S 17	11 37	26 11	2 40	13 9	0 9	4 41	1 26	5 13	1 19	9 55	1 30	18 40	1 18	19 39	0 8	15 24	1 51	18 39	15 38	20 15	20 13	3 34	12 34	6 33	S 17
M18	11 59	24 40	1 36	13 47	0 16	4 14	1 28	4 58	1 19	9 55	1 30	18 40	1 18	19 39	0 8	15 23	1 51	18 39	15 38	20 16	20 14	3 31	12 34	6 32	M18
T 19	12 19	21 41	0 27	14 25	0 22	3 48	1 30	4 44	1 19	9 56	1 30	18 40	1 18	19 40	0 8	15 23	1 51	18 39	15 38	20 16	20 15	3 28	12 35	6 32	T 19
W20	12 40	17 26	0n46	15 2	0 29	3 21	1 32	4 29	1 19	9 56	1 29	18 39	1 18	19 41	0 8	15 22	1 51	18 38	15 39	20 16	20 15	3 24	12 35	6 31	W20
T 21	13 1	12 9	1 58	15 38	0 35	2 54	1 34	4 14	1 19	9 57	1 29	18 39	1 18	19 42	0 8	15 22	1 51	18 38	15 39	20 16	20 16	3 21	12 35	6 31	T 21
F 22	13 21	6 7	3 3	16 13	0 42	2 27	1 36	4 0	1 19	9 57	1 29	18 39	1 18	19 42	0 8	15 22	1 51	18 38	15 40	20 17	20 17	3 18	12 35	6 30	F 22
S 23	13 41	0n19	3 57	16 48	0 48	1 59	1 38	3 45	1 19	9 57	1 29	18 38	1 18	19 43	0 8	15 21	1 51	18 37	15 40	20 18	20 17	3 15	12 36	6 30	S 23
S 24	14 1	6 48	4 37	17 22	0 54	1 32	1 39	3 30	1 19	9 57	1 28	18 38	1 18	19 44	0 8	15 21	1 51	18 37	15 40	20 20	20 18	3 12	12 36	6 29	S 24
M25	14 21	12 54	4 57	17 55	1 1	1 4	1 41	3 15	1 19	9 57	1 28	18 37	1 18	19 45	0 8	15 20	1 51	18 37	15 41	20 22	20 19	3 9	12 36	6 29	M25
T 26	14 40	18 14	4 58	18 27	1 7	0 37	1 42	3 1	1 19	9 57	1 28	18 37	1 17	19 46	0 8	15 20	1 51	18 37	15 41	20 24	20 19	3 6	12 36	6 29	T 26
W27	14 59	22 25	4 40	18 58	1 13	0 9	1 44	2 46	1 19	9 57	1 28	18 36	1 17	19 46	0 8	15 19	1 51	18 36	15 42	20 27	20 20	3 2	12 36	6 28	W27
T 28	15 18	25 8	4 5	19 28	1 18	0s19	1 45	2 31	1 19	9 57	1 27	18 35	1 17	19 47	0 8	15 19	1 51	18 36	15 42	20 29	20 21	2 59	12 36	6 28	T 28
F 29	15 37	26 16	3 16	19 58	1 24	0 47	1 46	2 16	1 19	9 56	1 27	18 35	1 17	19 48	0 8	15 18	1 51	18 36	15 43	20 30	20 21	2 56	12 37	6 27	F 29
S 30	15 55	25 50	2 18	20 26	1 30	1 15	1 47	2 2	1 19	9 56	1 27	18 34	1 17	19 49	0 8	15 18	1 51	18 36	15 43	20 32	20 22	2 53	12 37	6 27	S 30
S 31	16s13	24n 1	1n15	20s53	1s35	1s43	1n48	1n47	1n19	9s55	1s27	18s34	1s17	19s50	0n 8	15n17	1s51	18n36	15n44	20s32	20s23	2n50	12s37	6n26	S 31

Julian Day Number = 2169492.5, Delta T = 12m26s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'18, Lahiri = 13°05'18 Julian Calendar 1 Oct. 1227 == Greg. Calendar 8 Oct. 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

NOVEMBER 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 6 59	15♏23'39	26♋46	27♏34	9♎40	29♍12	8♓ 4	11♒50	28♏47	17°R15	19♍29	28°D33	29♉16	14♍27	6♒ 1	M 1
T 2	3 10 55	16°24'16	8♌56	29° 5	10°53	29°49	8° 5	11°52	28°50	17♉13	19°30	28♉33	29°13	14°33	6° 2	T 2
W 3	3 14 52	17°24'55	20°53	0♐36	12° 6	0♎26	8° 6	11°55	28°54	17°11	19°32	28°R33	29°10	14°40	6° 4	W 3
T 4	3 18 48	18°25'36	2♍44	2° 6	13°20	1° 3	8° 8	11°57	28°58	17° 9	19°33	28°32	29° 7	14°47	6° 6	T 4
F 5	3 22 45	19°26'18	14°32	3°36	14°33	1°40	8° 9	12° 0	29° 1	17° 8	19°34	28°29	29° 4	14°53	6° 7	F 5
S 6	3 26 41	20°27'02	26°25	5° 5	15°46	2°17	8°11	12° 3	29° 5	17° 6	19°36	28°23	29° 0	15° 0	6° 9	S 6
S 7	3 30 38	21°27'48	8♎24	6°34	17° 0	2°54	8°13	12° 6	29° 9	17° 4	19°37	28°15	28°57	15° 7	6°11	S 7
M 8	3 34 34	22°28'35	20°34	8° 3	18°13	3°31	8°16	12° 8	29°12	17° 3	19°38	28° 4	28°54	15°13	6°13	M 8
T 9	3 38 31	23°29'24	2♏57	9°32	19°27	4° 8	8°18	12°12	29°16	17° 1	19°39	27°52	28°51	15°20	6°15	T 9
W10	3 42 28	24°30'14	15°34	10°59	20°41	4°45	8°21	12°15	29°20	16°59	19°41	27°40	28°48	15°27	6°17	W10
T 11	3 46 24	25°31'05	28°25	12°27	21°54	5°21	8°24	12°18	29°23	16°58	19°42	27°28	28°44	15°34	6°19	T 11
F 12	3 50 21	26°31'58	11♐29	13°53	23° 8	5°58	8°27	12°21	29°27	16°56	19°43	27°19	28°41	15°40	6°21	F 12
S 13	3 54 17	27°32'51	24°45	15°19	24°22	6°35	8°30	12°25	29°31	16°54	19°44	27°12	28°38	15°47	6°24	S 13
S 14	3 58 14	28°33'46	8♑11	16°44	25°36	7°12	8°33	12°28	29°34	16°53	19°45	27° 7	28°35	15°54	6°26	S 14
M15	4 2 10	29°34'42	21°47	18° 8	26°50	7°49	8°37	12°32	29°38	16°51	19°46	27°D 6	28°32	16° 0	6°28	M15
T 16	4 6 7	0♐35'38	5♒32	19°31	28° 4	8°25	8°41	12°35	29°42	16°49	19°47	27° 6	28°29	16° 7	6°31	T 16
W17	4 10 3	1°36'36	19°25	20°52	29°18	9° 2	8°45	12°39	29°45	16°48	19°48	27° 7	28°25	16°14	6°33	W17
T 18	4 14 0	2°37'34	3♓27	22°12	0♏32	9°39	8°49	12°43	29°49	16°46	19°49	27°R 7	28°22	16°20	6°36	T 18
F 19	4 17 57	3°38'32	17°36	23°30	1°46	10°15	8°54	12°47	29°53	16°44	19°50	27° 6	28°19	16°27	6°38	F 19
S 20	4 21 53	4°39'31	1♈52	24°46	3° 0	10°52	8°58	12°51	29°57	16°43	19°51	27° 3	28°16	16°34	6°41	S 20
S 21	4 25 50	5°40'31	16°11	25°59	4°14	11°29	9° 3	12°55	0♐ 0	16°41	19°52	26°58	28°13	16°40	6°44	S 21
M22	4 29 46	6°41'32	0♉30	27° 9	5°28	12° 5	9° 8	12°59	0° 4	16°40	19°53	26°51	28°10	16°47	6°46	M22
T 23	4 33 43	7°42'33	14°44	28°16	6°43	12°42	9°13	13° 4	0° 8	16°38	19°54	26°42	28° 6	16°54	6°49	T 23
W24	4 37 39	8°43'35	28°48	29°20	7°57	13°18	9°18	13° 8	0°11	16°37	19°54	26°34	28° 3	17° 1	6°52	W24
T 25	4 41 36	9°44'37	12♊36	0♑18	9°11	13°55	9°24	13°12	0°15	16°35	19°55	26°27	28° 0	17° 7	6°55	T 25
F 26	4 45 32	10°45'41	26° 5	1°12	10°26	14°31	9°30	13°17	0°18	16°34	19°56	26°21	27°57	17°14	6°58	F 26
S 27	4 49 29	11°46'45	9♋14	2° 0	11°40	15° 8	9°35	13°22	0°22	16°32	19°57	26°17	27°54	17°21	7° 1	S 27
S 28	4 53 26	12°47'50	22° 1	2°41	12°54	15°44	9°42	13°26	0°26	16°31	19°57	26°D16	27°50	17°27	7° 4	S 28
M29	4 57 22	13°48'56	4♌29	3°15	14° 9	16°20	9°48	13°31	0°29	16°29	19°58	26°16	27°47	17°34	7° 7	M29
T 30	5 1 19	14♐50'03	16♌41	3♑41	15♏23	16♎57	9♓54	13♒36	0♐33	16♉28	19♍58	26♉17	27♉44	17♍41	7♒10	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s31	21n 3	0n 9	21s20	1s40	2s11	1n49	1n32	1n19	9s55	1s26	18s33	1s17	19s50	0n 8	15n17	1s51	18n35	15n44	20s32	20s23	2n47	12s37	6n26
T 2	16 49	17 13	0s55	21 45	1 45	2 39	1 50	1 17	1 19	9 54	1 26	18 32	1 17	19 51	0 8	15 16	1 51	18 35	15 44	20 32	20 24	2 43	12 37	6 25
W 3	17 6	12 46	1 56	22 9	1 50	3 7	1 50	1 3	1 20	9 54	1 26	18 31	1 17	19 52	0 8	15 16	1 51	18 35	15 45	20 32	20 25	2 40	12 37	6 25
T 4	17 23	7 53	2 51	22 32	1 54	3 35	1 51	0 48	1 20	9 53	1 26	18 31	1 17	19 53	0 8	15 15	1 51	18 35	15 45	20 33	20 25	2 37	12 37	6 25
F 5	17 40	2 45	3 39	22 54	1 59	4 3	1 51	0 33	1 20	9 52	1 26	18 30	1 17	19 54	0 8	15 15	1 51	18 35	15 46	20 33	20 26	2 34	12 37	6 24
S 6	17 56	2s30	4 17	23 15	2 3	4 31	1 52	0 18	1 20	9 51	1 25	18 29	1 17	19 54	0 8	15 14	1 51	18 35	15 46	20 34	20 27	2 31	12 37	6 24
S 7	18 12	7 42	4 45	23 34	2 6	4 59	1 52	0 4	1 20	9 50	1 25	18 28	1 17	19 55	0 8	15 14	1 51	18 35	15 47	20 36	20 27	2 28	12 37	6 23
M 8	18 28	12 42	5 0	23 53	2 10	5 27	1 52	0s11	1 20	9 49	1 25	18 27	1 17	19 56	0 8	15 13	1 51	18 35	15 47	20 38	20 28	2 25	12 37	6 23
T 9	18 43	17 16	5 1	24 10	2 13	5 55	1 52	0 26	1 20	9 48	1 25	18 26	1 17	19 57	0 8	15 13	1 51	18 35	15 48	20 41	20 29	2 21	12 37	6 22
W10	18 59	21 10	4 48	24 25	2 16	6 22	1 52	0 40	1 20	9 47	1 24	18 25	1 17	19 58	0 8	15 13	1 51	18 35	15 48	20 43	20 29	2 18	12 37	6 22
T 11	19 13	24 7	4 20	24 40	2 18	6 50	1 52	0 55	1 20	9 45	1 24	18 24	1 17	19 58	0 8	15 12	1 51	18 35	15 49	20 45	20 30	2 15	12 36	6 22
F 12	19 28	25 51	3 38	24 53	2 20	7 17	1 52	1 10	1 20	9 44	1 24	18 23	1 16	19 59	0 8	15 12	1 51	18 35	15 49	20 47	20 31	2 12	12 36	6 21
S 13	19 42	26 10	2 44	25 4	2 22	7 45	1 52	1 24	1 20	9 42	1 24	18 22	1 16	20 0	0 8	15 11	1 51	18 35	15 50	20 49	20 31	2 9	12 36	6 21
S 14	19 55	24 56	1 39	25 15	2 23	8 12	1 52	1 39	1 20	9 41	1 23	18 21	1 16	20 1	0 8	15 11	1 51	18 35	15 50	20 49	20 32	2 6	12 36	6 20
M15	20 9	22 14	0 28	25 23	2 23	8 39	1 51	1 54	1 20	9 39	1 23	18 20	1 16	20 2	0 8	15 10	1 51	18 35	15 51	20 50	20 33	2 3	12 36	6 20
T 16	20 22	18 14	0n45	25 30	2 23	9 6	1 51	2 8	1 20	9 38	1 23	18 19	1 16	20 2	0 8	15 10	1 51	18 35	15 51	20 50	20 33	2 0	12 36	6 20
W17	20 34	13 13	1 57	25 36	2 23	9 33	1 50	2 23	1 20	9 36	1 23	18 18	1 16	20 3	0 8	15 9	1 51	18 35	15 52	20 49	20 34	1 56	12 35	6 19
T 18	20 46	7 27	3 2	25 40	2 22	9 59	1 50	2 37	1 20	9 34	1 22	18 17	1 16	20 4	0 8	15 9	1 51	18 35	15 52	20 49	20 34	1 53	12 35	6 19
F 19	20 58	1 17	3 57	25 43	2 20	10 26	1 49	2 51	1 20	9 32	1 22	18 16	1 16	20 5	0 8	15 8	1 51	18 35	15 53	20 50	20 35	1 50	12 35	6 18
S 20	21 10	4n59	4 38	25 44	2 18	10 52	1 48	3 6	1 20	9 30	1 22	18 14	1 16	20 6	0 8	15 8	1 51	18 35	15 54	20 50	20 36	1 47	12 35	6 18
S 21	21 21	11 1	5 1	25 43	2 15	11 18	1 48	3 20	1 20	9 28	1 22	18 13	1 16	20 6	0 8	15 8	1 51	18 35	15 54	20 51	20 36	1 44	12 34	6 18
M22	21 31	16 28	5 6	25 41	2 11	11 44	1 47	3 35	1 20	9 26	1 21	18 12	1 16	20 7	0 8	15 7	1 51	18 35	15 55	20 53	20 37	1 41	12 34	6 17
T 23	21 41	20 58	4 52	25 37	2 6	12 9	1 46	3 49	1 19	9 24	1 21	18 11	1 16	20 8	0 8	15 7	1 51	18 36	15 55	20 54	20 38	1 38	12 34	6 17
W24	21 51	24 12	4 20	25 32	2 0	12 34	1 45	4 3	1 19	9 22	1 21	18 9	1 16	20 9	0 8	15 6	1 51	18 36	15 56	20 56	20 38	1 34	12 33	6 16
T 25	22 0	25 56	3 33	25 25	1 53	12 59	1 43	4 17	1 19	9 19	1 21	18 8	1 16	20 10	0 8	15 6	1 51	18 36	15 56	20 57	20 39	1 31	12 33	6 16
F 26	22 9	26 5	2 36	25 17	1 45	13 24	1 42	4 32	1 19	9 17	1 20	18 7	1 16	20 10	0 8	15 6	1 51	18 36	15 57	20 58	20 40	1 28	12 33	6 16
S 27	22 18	24 44	1 31	25 7	1 36	13 48	1 41	4 46	1 19	9 15	1 20	18 5	1 16	20 11	0 8	15 5	1 50	18 36	15 57	20 59	20 40	1 25	12 32	6 15
S 28	22 26	22 7	0 23	24 56	1 26	14 12	1 40	5 0	1 19	9 12	1 20	18 4	1 16	20 12	0 8	15 5	1 50	18 37	15 58	20 59	20 41	1 22	12 32	6 15
M29	22 33	18 30	0s44	24 44	1 14	14 35	1 38	5 14	1 19	9 9	1 20	18 3	1 16	20 13	0 8	15 4	1 50	18 37	15 58	20 59	20 41	1 19	12 32	6 15
T 30	22s40	14n11	1s49	24s30	1s 1	14s59	1n37	5s28	1n19	9s 7	1s19	18s 1	1s16	20s13	0n 8	15n 4	1s50	18n37	15n59	20s59	20s42	1n16	12s31	6n14

Julian Day Number = 2169523.5, Delta T = 12m26s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'22, Lahiri = 13°05'22 Julian Calendar 1 Nov. 1227 == Greg. Calendar 8 Nov. 1227

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ASTRODIENST EPHEMERIS for the year 1227
geocentric

DECEMBER 1227 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 5 15	15♐51'10	28♌40	3♑57	16♏38	17♎33	10♓ 1	13♒41	0♐37	16°R26	19♍59	26♑19	27♑41	17♍47	7♒13	W 1
T 2	5 9 12	16°52'18	10♍33	4°R 3	17°52	18° 9	10° 7	13°46	0°40	16♉25	19°59	26°20	27°38	17°54	7°16	T 2
F 3	5 13 8	17°53'27	22°23	3°59	19° 7	18°46	10°14	13°51	0°44	16°23	20° 0	26°R20	27°35	18° 1	7°20	F 3
S 4	5 17 5	18°54'37	4♎16	3°43	20°22	19°22	10°21	13°56	0°47	16°22	20° 0	26°19	27°31	18° 7	7°23	S 4
S 5	5 21 1	19°55'47	16°17	3°15	21°36	19°58	10°29	14° 1	0°51	16°21	20° 1	26°16	27°28	18°14	7°26	S 5
M 6	5 24 58	20°56'58	28°30	2°35	22°51	20°34	10°36	14° 6	0°54	16°19	20° 1	26°11	27°25	18°21	7°30	M 6
T 7	5 28 55	21°58'09	10♏59	1°45	24° 6	21°10	10°43	14°12	0°58	16°18	20° 1	26° 5	27°22	18°28	7°33	T 7
W 8	5 32 51	22°59'21	23°45	0°44	25°20	21°47	10°51	14°17	1° 1	16°17	20° 2	25°59	27°19	18°34	7°37	W 8
T 9	5 36 48	24° 0'34	6♐51	29♐34	26°35	22°23	10°59	14°22	1° 5	16°15	20° 2	25°54	27°16	18°41	7°40	T 9
F 10	5 40 44	25° 1'46	20°14	28°18	27°50	22°59	11° 7	14°28	1° 8	16°14	20° 2	25°49	27°12	18°48	7°44	F 10
S 11	5 44 41	26° 2'59	3♑54	26°58	29° 4	23°35	11°15	14°34	1°12	16°13	20° 2	25°46	27° 9	18°54	7°47	S 11
S 12	5 48 37	27° 4'13	17°47	25°36	0♐19	24°11	11°23	14°39	1°15	16°12	20° 3	25°44	27° 6	19° 1	7°51	S 12
M13	5 52 34	28° 5'26	1♒51	24°15	1°34	24°46	11°32	14°45	1°19	16°10	20° 3	25°D44	27° 3	19° 8	7°55	M13
T 14	5 56 31	29° 6'38	16° 0	22°58	2°49	25°22	11°40	14°51	1°22	16° 9	20° 3	25°45	27° 0	19°14	7°58	T 14
W15	6 0 27	0♑ 7'51	0♓13	21°47	4° 4	25°58	11°49	14°57	1°25	16° 8	20° 3	25°46	26°56	19°21	8° 2	W15
T 16	6 4 24	1° 9'03	14°27	20°44	5°18	26°34	11°58	15° 2	1°29	16° 7	20°R 3	25°48	26°53	19°28	8° 6	T 16
F 17	6 8 20	2°10'15	28°38	19°50	6°33	27°10	12° 7	15° 8	1°32	16° 6	20° 3	25°R49	26°50	19°34	8°10	F 17
S 18	6 12 17	3°11'27	12♈46	19° 6	7°48	27°45	12°16	15°14	1°35	16° 5	20° 3	25°48	26°47	19°41	8°14	S 18
S 19	6 16 13	4°12'38	26°47	18°31	9° 3	28°21	12°25	15°20	1°38	16° 4	20° 3	25°47	26°44	19°48	8°17	S 19
M20	6 20 10	5°13'48	10♉42	18° 7	10°18	28°57	12°35	15°27	1°42	16° 3	20° 3	25°45	26°41	19°55	8°21	M20
T 21	6 24 6	6°14'59	24°27	17°53	11°33	29°32	12°44	15°33	1°45	16° 2	20° 2	25°42	26°37	20° 1	8°25	T 21
W22	6 28 3	7°16'09	8♊ 1	17°D48	12°48	0♏ 8	12°54	15°39	1°48	16° 1	20° 2	25°39	26°34	20° 8	8°29	W22
T 23	6 32 0	8°17'18	21°22	17°52	14° 2	0°43	13° 4	15°45	1°51	16° 0	20° 2	25°37	26°31	20°15	8°33	T 23
F 24	6 35 56	9°18'27	4♋29	18° 4	15°17	1°19	13°14	15°51	1°54	15°59	20° 2	25°35	26°28	20°21	8°37	F 24
S 25	6 39 53	10°19'36	17°21	18°23	16°32	1°54	13°24	15°58	1°58	15°58	20° 1	25°34	26°25	20°28	8°41	S 25
S 26	6 43 49	11°20'44	29°57	18°49	17°47	2°29	13°34	16° 4	2° 1	15°58	20° 1	25°D34	26°22	20°35	8°46	S 26
M27	6 47 46	12°21'52	12♌19	19°22	19° 2	3° 5	13°44	16°11	2° 4	15°57	20° 1	25°34	26°18	20°41	8°50	M27
T 28	6 51 42	13°22'59	24°28	20° 0	20°17	3°40	13°55	16°17	2° 7	15°56	20° 0	25°35	26°15	20°48	8°54	T 28
W29	6 55 39	14°24'06	6♍28	20°43	21°32	4°15	14° 5	16°24	2°10	15°55	20° 0	25°36	26°12	20°55	8°58	W29
T 30	6 59 35	15°25'13	18°21	21°31	22°47	4°50	14°16	16°30	2°13	15°55	20° 0	25°38	26° 9	21° 2	9° 2	T 30
F 31	7 3 32	16♑26'19	0♎11	22♐22	24♐ 2	5♏25	14♓26	16♒37	2♐15	15♉54	19♍59	25♑38	26♑ 6	21♍ 8	9♒ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s47	9n23	2s47	24s16	0s47	15s22	1n35	5s42	1n19	9s 4	1s19	18s 0	1s16	20s14	0n 8	15n 4	1s50	18n38	16n 0	20s59	20s43	1n12	12s31	6n14
T 2	22 53	4 18	3 37	24 0	0 31	15 44	1 33	5 56	1 19	9 1	1 19	17 58	1 16	20 15	0 8	15 3	1 50	18 38	16 0	20 58	20 43	1 9	12 30	6 14
F 3	22 59	0s55	4 18	23 44	0 15	16 6	1 32	6 10	1 19	8 59	1 19	17 57	1 15	20 16	0 8	15 3	1 50	18 38	16 1	20 58	20 44	1 6	12 30	6 13
S 4	23 5	6 7	4 49	23 26	0n 3	16 28	1 30	6 24	1 19	8 56	1 19	17 55	1 15	20 16	0 8	15 3	1 50	18 39	16 1	20 59	20 45	1 3	12 29	6 13
S 5	23 9	11 8	5 7	23 8	0 22	16 49	1 28	6 37	1 19	8 53	1 18	17 54	1 15	20 17	0 8	15 2	1 50	18 39	16 2	20 59	20 45	1 0	12 29	6 13
M 6	23 14	15 49	5 11	22 49	0 42	17 10	1 26	6 51	1 19	8 50	1 18	17 52	1 15	20 18	0 8	15 2	1 50	18 39	16 2	21 0	20 46	0 57	12 28	6 12
T 7	23 18	19 57	5 1	22 30	1 1	17 30	1 25	7 5	1 19	8 47	1 18	17 50	1 15	20 19	0 8	15 1	1 50	18 40	16 3	21 1	20 47	0 54	12 28	6 12
W 8	23 21	23 14	4 36	22 11	1 21	17 50	1 23	7 18	1 18	8 43	1 18	17 49	1 15	20 19	0 8	15 1	1 50	18 40	16 4	21 2	20 47	0 51	12 27	6 12
T 9	23 24	25 25	3 56	21 52	1 41	18 10	1 21	7 32	1 18	8 40	1 17	17 47	1 15	20 20	0 8	15 1	1 50	18 40	16 4	21 3	20 48	0 47	12 26	6 12
F 10	23 27	26 12	3 2	21 32	1 59	18 29	1 19	7 46	1 18	8 37	1 17	17 46	1 15	20 21	0 8	15 1	1 50	18 41	16 5	21 4	20 48	0 44	12 26	6 11
S 11	23 29	25 26	1 57	21 14	2 16	18 47	1 17	7 59	1 18	8 34	1 17	17 44	1 15	20 22	0 8	15 0	1 50	18 41	16 5	21 5	20 49	0 41	12 25	6 11
S 12	23 30	23 4	0 43	20 57	2 32	19 5	1 14	8 12	1 18	8 30	1 17	17 42	1 15	20 22	0 8	15 0	1 50	18 42	16 6	21 5	20 50	0 38	12 25	6 11
M13	23 32	19 17	0n34	20 40	2 45	19 23	1 12	8 26	1 18	8 27	1 17	17 41	1 15	20 23	0 8	15 0	1 50	18 42	16 6	21 5	20 50	0 35	12 24	6 10
T 14	23 32	14 22	1 49	20 26	2 55	19 40	1 10	8 39	1 18	8 23	1 16	17 39	1 15	20 24	0 8	14 59	1 50	18 43	16 7	21 5	20 51	0 32	12 23	6 10
W15	23 32	8 40	2 58	20 14	3 4	19 56	1 8	8 52	1 18	8 20	1 16	17 37	1 15	20 24	0 8	14 59	1 50	18 43	16 8	21 5	20 51	0 29	12 23	6 10
T 16	23 32	2 31	3 57	20 4	3 9	20 12	1 6	9 5	1 17	8 16	1 16	17 35	1 15	20 25	0 8	14 59	1 50	18 44	16 8	21 5	20 52	0 26	12 22	6 10
F 17	23 31	3n44	4 40	19 57	3 13	20 27	1 3	9 18	1 17	8 13	1 16	17 34	1 15	20 26	0 8	14 59	1 50	18 44	16 9	21 4	20 53	0 23	12 21	6 9
S 18	23 30	9 46	5 7	19 52	3 14	20 42	1 1	9 31	1 17	8 9	1 16	17 32	1 15	20 26	0 8	14 58	1 50	18 45	16 9	21 4	20 53	0 19	12 20	6 9
S 19	23 28	15 15	5 15	19 50	3 13	20 56	0 58	9 44	1 17	8 5	1 15	17 30	1 15	20 27	0 8	14 58	1 50	18 45	16 10	21 5	20 54	0 16	12 20	6 9
M20	23 26	19 54	5 4	19 50	3 11	21 10	0 56	9 57	1 17	8 1	1 15	17 28	1 15	20 28	0 8	14 58	1 50	18 46	16 10	21 5	20 55	0 13	12 19	6 9
T 21	23 24	23 25	4 36	19 53	3 7	21 23	0 54	10 10	1 17	7 58	1 15	17 26	1 15	20 28	0 8	14 58	1 49	18 46	16 11	21 6	20 55	0 10	12 18	6 8
W22	23 20	25 34	3 53	19 58	3 2	21 35	0 51	10 22	1 17	7 54	1 15	17 24	1 15	20 29	0 8	14 57	1 49	18 47	16 11	21 6	20 56	0 7	12 17	6 8
T 23	23 17	26 13	2 58	20 4	2 56	21 47	0 49	10 35	1 16	7 50	1 15	17 22	1 15	20 30	0 8	14 57	1 49	18 48	16 12	21 7	20 56	0 4	12 17	6 8
F 24	23 13	25 22	1 54	20 12	2 49	21 58	0 46	10 47	1 16	7 46	1 14	17 21	1 15	20 30	0 8	14 57	1 49	18 48	16 13	21 7	20 57	0 1	12 16	6 8
S 25	23 8	23 10	0 45	20 22	2 41	22 8	0 44	11 0	1 16	7 42	1 14	17 19	1 15	20 31	0 8	14 57	1 49	18 49	16 13	21 7	20 58	0s 2	12 15	6 7
S 26	23 3	19 51	0s24	20 32	2 33	22 18	0 41	11 12	1 16	7 38	1 14	17 17	1 15	20 32	0 8	14 57	1 49	18 49	16 14	21 7	20 58	0 5	12 14	6 7
M27	22 58	15 43	1 31	20 43	2 24	22 27	0 38	11 24	1 16	7 34	1 14	17 15	1 15	20 32	0 8	14 56	1 49	18 50	16 14	21 7	20 59	0 9	12 13	6 7
T 28	22 52	11 1	2 33	20 55	2 15	22 35	0 36	11 37	1 15	7 29	1 14	17 13	1 15	20 33	0 8	14 56	1 49	18 51	16 15	21 7	20 59	0 12	12 12	6 7
W29	22 46	5 58	3 28	21 8	2 6	22 43	0 33	11 49	1 15	7 25	1 14	17 11	1 15	20 33	0 8	14 56	1 49	18 51	16 15	21 7	21 0	0 15	12 11	6 7
T 30	22 39	0 45	4 13	21 20	1 56	22 50	0 31	12 1	1 15	7 21	1 13	17 9	1 15	20 34	0 8	14 56	1 49	18 52	16 16	21 6	21 1	0 18	12 11	6 7
F 31	22s31	4s27	4s47	21s33	1n47	22s56	0n28	12s13	1n15	7s17	1s13	17s 7	1s15	20s35	0n 8	14n56	1s49	18n53	16n16	21s 6	21s 1	0s21	12s10	6n 6

Julian Day Number = 2169553.5, Delta T = 12m26s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'26, Lahiri = 13°05'26 Julian Calendar 1 Dec. 1227 == Greg. Calendar 8 Dec. 1227

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

JANUARY 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 29	17♑27'25	12♎ 4	23♐18	25♐17	6♏ 0	14♓37	16♒44	2♐18	15°R53	19°R59	25♑39	26♑ 2	21♍15	9♒11	S 1
S 2	7 11 25	18°28'31	24° 4	24°16	26°32	6°35	14°48	16°50	2°21	15♉53	19♍58	25°R39	25°59	21°22	9°15	S 2
M 3	7 15 22	19°29'36	6♏16	25°18	27°47	7°10	14°59	16°57	2°24	15°52	19°57	25°38	25°56	21°28	9°19	M 3
T 4	7 19 18	20°30'41	18°44	26°22	29° 2	7°45	15°10	17° 4	2°27	15°52	19°57	25°38	25°53	21°35	9°23	T 4
W 5	7 23 15	21°31'45	1♐31	27°29	0♑17	8°20	15°22	17°11	2°29	15°51	19°56	25°37	25°50	21°42	9°28	W 5
T 6	7 27 11	22°32'49	14°41	28°38	1°32	8°55	15°33	17°17	2°32	15°51	19°55	25°37	25°47	21°48	9°32	T 6
F 7	7 31 8	23°33'52	28°14	29°49	2°47	9°29	15°45	17°24	2°35	15°50	19°55	25°37	25°43	21°55	9°36	F 7
S 8	7 35 4	24°34'54	12♑10	1♑ 1	4° 2	10° 4	15°56	17°31	2°37	15°50	19°54	25°37	25°40	22° 2	9°41	S 8
S 9	7 39 1	25°35'56	26°26	2°16	5°17	10°38	16° 8	17°38	2°40	15°49	19°53	25°37	25°37	22° 9	9°45	S 9
M10	7 42 58	26°36'56	10♒57	3°32	6°31	11°13	16°20	17°45	2°43	15°49	19°53	25°37	25°34	22°15	9°49	M10
T 11	7 46 54	27°37'56	25°36	4°49	7°46	11°47	16°31	17°52	2°45	15°49	19°52	25°36	25°31	22°22	9°54	T 11
W12	7 50 51	28°38'54	10♓18	6° 8	9° 1	12°22	16°43	17°59	2°48	15°49	19°51	25°36	25°28	22°29	9°58	W12
T 13	7 54 47	29°39'51	24°55	7°28	10°16	12°56	16°55	18° 6	2°50	15°48	19°50	25°36	25°24	22°35	10° 2	T 13
F 14	7 58 44	0♒40'46	9♈23	8°50	11°31	13°30	17° 7	18°13	2°52	15°48	19°49	25°35	25°21	22°42	10° 7	F 14
S 15	8 2 40	1°41'40	23°37	10°12	12°46	14° 4	17°20	18°20	2°55	15°48	19°48	25°35	25°18	22°49	10°11	S 15
S 16	8 6 37	2°42'33	7♉36	11°36	14° 1	14°38	17°32	18°27	2°57	15°48	19°47	25°D35	25°15	22°55	10°16	S 16
M17	8 10 33	3°43'24	21°18	13° 0	15°16	15°12	17°44	18°35	2°59	15°48	19°46	25°35	25°12	23° 2	10°20	M17
T 18	8 14 30	4°44'14	4♊44	14°26	16°31	15°46	17°57	18°42	3° 1	15°48	19°45	25°36	25° 8	23° 9	10°25	T 18
W19	8 18 27	5°45'02	17°54	15°52	17°46	16°20	18° 9	18°49	3° 4	15°D48	19°44	25°37	25° 5	23°16	10°29	W19
T 20	8 22 23	6°45'49	0♋51	17°19	19° 1	16°53	18°22	18°56	3° 6	15°48	19°43	25°38	25° 2	23°22	10°34	T 20
F 21	8 26 20	7°46'34	13°34	18°48	20°16	17°27	18°34	19° 3	3° 8	15°48	19°42	25°39	24°59	23°29	10°38	F 21
S 22	8 30 16	8°47'18	26° 5	20°17	21°31	18° 1	18°47	19°10	3°10	15°48	19°41	25°R39	24°56	23°36	10°42	S 22
S 23	8 34 13	9°48'00	8♌26	21°47	22°46	18°34	19° 0	19°18	3°12	15°48	19°40	25°39	24°53	23°42	10°47	S 23
M24	8 38 9	10°48'41	20°37	23°18	24° 1	19° 8	19°13	19°25	3°14	15°48	19°38	25°37	24°49	23°49	10°51	M24
T 25	8 42 6	11°49'21	2♍40	24°50	25°16	19°41	19°26	19°32	3°16	15°48	19°37	25°35	24°46	23°56	10°56	T 25
W26	8 46 3	12°49'59	14°36	26°23	26°30	20°14	19°39	19°39	3°18	15°48	19°36	25°33	24°43	24° 2	11° 0	W26
T 27	8 49 59	13°50'36	26°29	27°56	27°45	20°47	19°52	19°47	3°19	15°49	19°35	25°30	24°40	24° 9	11° 5	T 27
F 28	8 53 56	14°51'11	8♎20	29°31	29° 0	21°20	20° 5	19°54	3°21	15°49	19°34	25°27	24°37	24°16	11° 9	F 28
S 29	8 57 52	15°51'45	20°12	1♒ 6	0♒15	21°53	20°18	20° 1	3°23	15°49	19°32	25°24	24°34	24°23	11°14	S 29
S 30	9 1 49	16°52'18	2♏11	2°42	1°30	22°26	20°31	20° 9	3°24	15°50	19°31	25°22	24°30	24°29	11°18	S 30
M31	9 5 45	17♒52'50	14♏20	4♒19	2♒45	22♏59	20♓45	20♒16	3♐26	15♉50	19♍30	25°D21	24♑27	24♍36	11♒22	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s24	9s31	5s 8	21s45	1n37	23s 2	0n25	12s25	1n14	7s12	1s13	17s 5	1s15	20s35	0n 8	14n56	1s49	18n53	16n17	21s 6	21s 2	0s24	12s 9	6n 6	S 1
S 2	22 16	14 17	5 17	21 58	1 27	23 7	0 23	12 36	1 14	7 8	1 13	17 3	1 15	20 36	0 8	14 56	1 49	18 54	16 17	21 6	21 2	0 27	12 8	6 6	S 2
M 3	22 7	18 34	5 12	22 10	1 18	23 11	0 20	12 48	1 14	7 3	1 13	17 1	1 15	20 36	0 8	14 55	1 49	18 55	16 18	21 6	21 3	0 30	12 7	6 6	M 3
T 4	21 58	22 8	4 52	22 21	1 8	23 15	0 17	13 0	1 14	6 59	1 13	16 59	1 15	20 37	0 8	14 55	1 49	18 55	16 18	21 6	21 4	0 33	12 6	6 6	T 4
W 5	21 49	24 45	4 17	22 32	0 59	23 18	0 15	13 11	1 13	6 54	1 12	16 57	1 15	20 37	0 8	14 55	1 49	18 56	16 19	21 6	21 4	0 36	12 5	6 6	W 5
T 6	21 39	26 6	3 28	22 42	0 50	23 20	0 12	13 22	1 13	6 50	1 12	16 55	1 15	20 38	0 8	14 55	1 49	18 57	16 19	21 7	21 5	0 40	12 4	6 5	T 6
F 7	21 28	25 58	2 26	22 52	0 40	23 21	0 9	13 34	1 13	6 45	1 12	16 52	1 15	20 38	0 8	14 55	1 48	18 58	16 20	21 7	21 5	0 43	12 3	6 5	F 7
S 8	21 18	24 12	1 14	23 1	0 31	23 22	0 7	13 45	1 13	6 41	1 12	16 50	1 15	20 39	0 8	14 55	1 48	18 58	16 20	21 7	21 6	0 46	12 2	6 5	S 8
S 9	21 7	20 53	0n 5	23 9	0 23	23 22	0 4	13 56	1 12	6 36	1 12	16 48	1 15	20 39	0 8	14 55	1 48	18 59	16 21	21 7	21 7	0 49	12 1	6 5	S 9
M10	20 55	16 13	1 24	23 16	0 14	23 21	0 2	14 7	1 12	6 31	1 12	16 46	1 15	20 40	0 8	14 55	1 48	19 0	16 21	21 7	21 7	0 52	12 0	6 5	M10
T 11	20 43	10 33	2 39	23 22	0 5	23 20	0s 1	14 18	1 12	6 26	1 12	16 44	1 15	20 40	0 8	14 55	1 48	19 1	16 22	21 7	21 8	0 55	11 59	6 5	T 11
W12	20 31	4 18	3 43	23 27	0s 3	23 17	0 4	14 29	1 11	6 22	1 11	16 42	1 15	20 41	0 8	14 55	1 48	19 1	16 22	21 7	21 8	0 58	11 58	6 5	W12
T 13	20 18	2n 9	4 33	23 31	0 11	23 15	0 6	14 39	1 11	6 17	1 11	16 40	1 15	20 41	0 8	14 55	1 48	19 2	16 23	21 7	21 9	1 1	11 57	6 5	T 13
F 14	20 5	8 24	5 5	23 34	0 19	23 11	0 9	14 50	1 11	6 12	1 11	16 38	1 15	20 42	0 8	14 55	1 48	19 3	16 23	21 7	21 9	1 4	11 56	6 5	F 14
S 15	19 52	14 6	5 17	23 35	0 27	23 7	0 11	15 1	1 10	6 7	1 11	16 35	1 15	20 42	0 8	14 55	1 48	19 4	16 24	21 7	21 10	1 7	11 55	6 4	S 15
S 16	19 38	18 59	5 10	23 36	0 34	23 2	0 14	15 11	1 10	6 2	1 11	16 33	1 15	20 43	0 8	14 55	1 48	19 5	16 24	21 7	21 11	1 10	11 54	6 4	S 16
M17	19 24	22 45	4 46	23 35	0 41	22 56	0 16	15 21	1 10	5 57	1 11	16 31	1 15	20 43	0 8	14 55	1 48	19 5	16 25	21 7	21 11	1 14	11 52	6 4	M17
T 18	19 10	25 12	4 6	23 34	0 48	22 50	0 19	15 32	1 9	5 52	1 11	16 29	1 15	20 44	0 8	14 55	1 48	19 6	16 25	21 7	21 12	1 17	11 51	6 4	T 18
W19	18 55	26 13	3 14	23 30	0 55	22 42	0 21	15 42	1 9	5 47	1 11	16 27	1 15	20 44	0 8	14 55	1 48	19 7	16 25	21 7	21 12	1 20	11 50	6 4	W19
T 20	18 40	25 45	2 13	23 26	1 2	22 35	0 24	15 52	1 8	5 42	1 10	16 24	1 15	20 44	0 8	14 55	1 48	19 8	16 26	21 6	21 13	1 23	11 49	6 4	T 20
F 21	18 24	23 57	1 6	23 20	1 8	22 26	0 26	16 2	1 8	5 37	1 10	16 22	1 15	20 45	0 8	14 55	1 48	19 9	16 26	21 6	21 13	1 26	11 48	6 4	F 21
S 22	18 8	20 59	0s 2	23 13	1 14	22 17	0 28	16 11	1 8	5 32	1 10	16 20	1 16	20 45	0 8	14 55	1 48	19 9	16 27	21 6	21 14	1 29	11 47	6 4	S 22
S 23	17 52	17 6	1 10	23 5	1 20	22 7	0 31	16 21	1 7	5 27	1 10	16 18	1 16	20 46	0 8	14 55	1 47	19 10	16 27	21 6	21 15	1 32	11 46	6 4	S 23
M24	17 36	12 34	2 14	22 55	1 25	21 56	0 33	16 31	1 7	5 21	1 10	16 15	1 16	20 46	0 8	14 56	1 47	19 11	16 27	21 6	21 15	1 35	11 45	6 4	M24
T 25	17 19	7 36	3 11	22 44	1 30	21 45	0 35	16 40	1 6	5 16	1 10	16 13	1 16	20 46	0 8	14 56	1 47	19 12	16 28	21 7	21 16	1 38	11 43	6 4	T 25
W26	17 2	2 25	3 58	22 31	1 35	21 33	0 38	16 49	1 6	5 11	1 10	16 11	1 16	20 47	0 8	14 56	1 47	19 13	16 28	21 7	21 16	1 41	11 42	6 4	W26
T 27	16 45	2s48	4 36	22 17	1 39	21 21	0 40	16 59	1 5	5 6	1 10	16 9	1 16	20 47	0 8	14 56	1 47	19 14	16 29	21 8	21 17	1 44	11 41	6 4	T 27
F 28	16 27	7 55	5 1	22 2	1 44	21 8	0 42	17 8	1 5	5 1	1 10	16 6	1 16	20 47	0 8	14 56	1 47	19 14	16 29	21 8	21 17	1 47	11 40	6 4	F 28
S 29	16 9	12 46	5 14	21 45	1 48	20 54	0 44	17 17	1 4	4 55	1 9	16 4	1 16	20 48	0 8	14 56	1 47	19 15	16 29	21 9	21 18	1 50	11 39	6 4	S 29
S 30	15 51	17 10	5 13	21 26	1 51	20 40	0 46	17 26	1 4	4 50	1 9	16 2	1 16	20 48	0 8	14 56	1 47	19 16	16 30	21 9	21 19	1 54	11 38	6 4	S 30
M31	15s32	20s56	4s58	21s 7	1s54	20s25	0s48	17s35	1n 3	4s45	1s 9	16s 0	1s16	20s48	0n 8	14n57	1s47	19n17	16n30	21s 9	21s19	1s57	11s36	6n 4	M31

Julian Day Number = 2169584.5, Delta T = 12m26s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'30, Lahiri = 13°05'31 Julian Calendar 1 Jan. 1228 == Greg. Calendar 8 Jan. 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

FEBRUARY 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 9 42	18♒53'20	26♏43	5♒57	4♒ 0	23♏31	20♓58	20♒23	3♐28	15♉51	19°R28	25♋21	24♋24	24♍43	11♒27	T 1
W 2	9 13 38	19°53'49	9♐25	7°36	5°15	24° 4	21°12	20°30	3°29	15°51	19♍27	25°23	24°21	24°49	11°31	W 2
T 3	9 17 35	20°54'17	22°30	9°16	6°30	24°36	21°25	20°38	3°31	15°51	19°26	25°24	24°18	24°56	11°36	T 3
F 4	9 21 32	21°54'43	6♑ 1	10°57	7°44	25° 9	21°39	20°45	3°32	15°52	19°24	25°26	24°14	25° 3	11°40	F 4
S 5	9 25 28	22°55'08	20° 0	12°39	8°59	25°41	21°52	20°52	3°33	15°53	19°23	25°R27	24°11	25°10	11°44	S 5
S 6	9 29 25	23°55'31	4♒24	14°21	10°14	26°13	22° 6	21° 0	3°35	15°53	19°21	25°26	24° 8	25°16	11°49	S 6
M 7	9 33 21	24°55'53	19°10	16° 5	11°29	26°45	22°20	21° 7	3°36	15°54	19°20	25°25	24° 5	25°23	11°53	M 7
T 8	9 37 18	25°56'12	4♓11	17°50	12°44	27°17	22°33	21°14	3°37	15°54	19°18	25°22	24° 2	25°30	11°58	T 8
W 9	9 41 14	26°56'30	19°18	19°36	13°59	27°48	22°47	21°22	3°38	15°55	19°17	25°17	23°59	25°36	12° 2	W 9
T 10	9 45 11	27°56'46	4♈21	21°22	15°14	28°20	23° 1	21°29	3°39	15°56	19°16	25°13	23°55	25°43	12° 6	T 10
F 11	9 49 7	28°57'00	19°12	23°10	16°28	28°51	23°15	21°36	3°40	15°57	19°14	25° 8	23°52	25°50	12°11	F 11
S 12	9 53 4	29°57'12	3♉44	24°59	17°43	29°23	23°29	21°43	3°41	15°57	19°12	25° 4	23°49	25°56	12°15	S 12
S 13	9 57 0	0♓57'22	17°52	26°49	18°58	29°54	23°43	21°51	3°42	15°58	19°11	25° 2	23°46	26° 3	12°19	S 13
M14	10 0 57	1°57'29	1♊35	28°40	20°13	0♐25	23°57	21°58	3°43	15°59	19° 9	25°D 1	23°43	26°10	12°23	M14
T 15	10 4 54	2°57'35	14°55	0♓31	21°27	0°56	24°11	22° 5	3°44	16° 0	19° 8	25° 2	23°40	26°17	12°28	T 15
W16	10 8 50	3°57'38	27°54	2°24	22°42	1°27	24°25	22°12	3°45	16° 1	19° 6	25° 3	23°36	26°23	12°32	W16
T 17	10 12 47	4°57'39	10♋34	4°18	23°57	1°57	24°39	22°19	3°46	16° 2	19° 5	25° 5	23°33	26°30	12°36	T 17
F 18	10 16 43	5°57'38	23° 1	6°13	25°12	2°28	24°53	22°27	3°46	16° 3	19° 3	25°R 5	23°30	26°37	12°40	F 18
S 19	10 20 40	6°57'35	5♌16	8° 9	26°26	2°58	25° 7	22°34	3°47	16° 4	19° 2	25° 5	23°27	26°43	12°44	S 19
S 20	10 24 36	7°57'30	17°22	10° 5	27°41	3°28	25°21	22°41	3°47	16° 5	19° 0	25° 2	23°24	26°50	12°48	S 20
M21	10 28 33	8°57'22	29°23	12° 2	28°56	3°58	25°35	22°48	3°48	16° 6	18°58	24°58	23°20	26°57	12°53	M21
T 22	10 32 29	9°57'13	11♍19	14° 0	0♓10	4°28	25°50	22°55	3°48	16° 7	18°57	24°51	23°17	27° 4	12°57	T 22
W23	10 36 26	10°57'01	23°12	15°59	1°25	4°58	26° 4	23° 2	3°49	16° 8	18°55	24°43	23°14	27°10	13° 1	W23
T 24	10 40 23	11°56'48	5♎ 4	17°57	2°40	5°27	26°18	23° 9	3°49	16° 9	18°53	24°33	23°11	27°17	13° 5	T 24
F 25	10 44 19	12°56'32	16°56	19°56	3°54	5°56	26°32	23°16	3°50	16°11	18°52	24°24	23° 8	27°24	13° 9	F 25
S 26	10 48 16	13°56'15	28°51	21°55	5° 9	6°26	26°47	23°23	3°50	16°12	18°50	24°15	23° 5	27°30	13°13	S 26
S 27	10 52 12	14°55'56	10♏51	23°53	6°24	6°55	27° 1	23°30	3°50	16°13	18°49	24° 8	23° 1	27°37	13°17	S 27
M28	10 56 9	15°55'35	23° 0	25°51	7°38	7°23	27°15	23°37	3°50	16°14	18°47	24° 3	22°58	27°44	13°20	M28
T 29	11 0 5	16♓55'13	5♐20	27♓48	8♓53	7♐52	27♓30	23♒44	3♐50	16♉16	18♍45	24♑ 0	22♑55	27♍51	13♒24	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s14	23s52	4s29	20s45	1s57	20s 9	0s50	17s43	1n 3	4s39	1s 9	15s57	1s16	20s49	0n 8	14n57	1s47	19n18	16n30	21s 9	21s20	2s 0	11s35	6n 4	T 1
W 2	14 55	25 41	3 47	20 22	2 0	19 53	0 52	17 52	1 2	4 34	1 9	15 55	1 16	20 49	0 8	14 57	1 47	19 19	16 31	21 9	21 20	2 3	11 34	6 4	W 2
T 3	14 35	26 11	2 51	19 58	2 2	19 36	0 54	18 0	1 2	4 28	1 9	15 53	1 16	20 49	0 8	14 57	1 47	19 19	16 31	21 9	21 21	2 6	11 33	6 4	T 3
F 4	14 16	25 9	1 45	19 32	2 3	19 19	0 56	18 9	1 1	4 23	1 9	15 50	1 16	20 50	0 8	14 57	1 47	19 20	16 31	21 9	21 21	2 9	11 31	6 4	F 4
S 5	13 56	22 32	0 30	19 5	2 5	19 1	0 58	18 17	1 0	4 17	1 9	15 48	1 16	20 50	0 8	14 58	1 47	19 21	16 32	21 8	21 22	2 12	11 30	6 4	S 5
S 6	13 36	18 27	0n49	18 36	2 6	18 43	1 0	18 25	1 0	4 12	1 9	15 46	1 16	20 50	0 8	14 58	1 47	19 22	16 32	21 8	21 23	2 15	11 29	6 4	S 6
M 7	13 16	13 8	2 6	18 5	2 6	18 24	1 1	18 33	0 59	4 6	1 9	15 44	1 16	20 50	0 8	14 58	1 46	19 23	16 32	21 9	21 23	2 18	11 28	6 4	M 7
T 8	12 56	6 58	3 16	17 33	2 6	18 4	1 3	18 41	0 59	4 1	1 9	15 41	1 16	20 51	0 8	14 58	1 46	19 24	16 32	21 9	21 24	2 21	11 27	6 4	T 8
W 9	12 35	0 23	4 13	17 0	2 6	17 44	1 5	18 49	0 58	3 55	1 8	15 39	1 17	20 51	0 8	14 59	1 46	19 24	16 33	21 10	21 24	2 24	11 25	6 4	W 9
T 10	12 14	6n12	4 52	16 25	2 5	17 24	1 6	18 56	0 57	3 50	1 8	15 37	1 17	20 51	0 8	14 59	1 46	19 25	16 33	21 11	21 25	2 27	11 24	6 4	T 10
F 11	11 53	12 19	5 10	15 48	2 4	17 3	1 8	19 4	0 57	3 44	1 8	15 34	1 17	20 51	0 8	14 59	1 46	19 26	16 33	21 12	21 25	2 30	11 23	6 4	F 11
S 12	11 32	17 38	5 8	15 10	2 2	16 41	1 9	19 12	0 56	3 39	1 8	15 32	1 17	20 51	0 8	14 59	1 46	19 27	16 33	21 13	21 26	2 33	11 22	6 5	S 12
S 13	11 11	21 49	4 48	14 30	2 0	16 19	1 11	19 19	0 55	3 33	1 8	15 30	1 17	20 52	0 8	15 0	1 46	19 28	16 34	21 13	21 26	2 36	11 20	6 5	S 13
M14	10 49	24 39	4 11	13 49	1 57	15 57	1 12	19 26	0 55	3 27	1 8	15 28	1 17	20 52	0 8	15 0	1 46	19 29	16 34	21 13	21 27	2 39	11 19	6 5	M14
T 15	10 28	26 1	3 21	13 6	1 54	15 34	1 13	19 33	0 54	3 22	1 8	15 25	1 17	20 52	0 8	15 0	1 46	19 29	16 34	21 13	21 28	2 42	11 18	6 5	T 15
W16	10 6	25 54	2 23	12 22	1 50	15 11	1 15	19 40	0 53	3 16	1 8	15 23	1 17	20 52	0 8	15 1	1 46	19 30	16 34	21 13	21 28	2 45	11 17	6 5	W16
T 17	9 44	24 25	1 18	11 37	1 46	14 47	1 16	19 47	0 52	3 10	1 8	15 21	1 17	20 52	0 8	15 1	1 46	19 31	16 35	21 12	21 29	2 48	11 15	6 5	T 17
F 18	9 22	21 45	0 11	10 50	1 41	14 23	1 17	19 54	0 51	3 5	1 8	15 18	1 17	20 52	0 8	15 1	1 46	19 32	16 35	21 12	21 29	2 51	11 14	6 5	F 18
S 19	9 0	18 9	0s55	10 1	1 35	13 59	1 18	20 1	0 51	2 59	1 8	15 16	1 17	20 52	0 8	15 2	1 46	19 33	16 35	21 12	21 30	2 55	11 13	6 5	S 19
S 20	8 37	13 49	1 58	9 12	1 29	13 34	1 19	20 7	0 50	2 53	1 8	15 14	1 17	20 53	0 8	15 2	1 46	19 33	16 35	21 13	21 30	2 58	11 12	6 5	S 20
M21	8 15	9 1	2 55	8 21	1 22	13 9	1 20	20 14	0 49	2 48	1 8	15 12	1 18	20 53	0 8	15 2	1 46	19 34	16 35	21 14	21 31	3 1	11 10	6 6	M21
T 22	7 52	3 55	3 43	7 29	1 15	12 43	1 21	20 20	0 48	2 42	1 8	15 9	1 18	20 53	0 7	15 3	1 46	19 35	16 35	21 15	21 31	3 4	11 9	6 6	T 22
W23	7 29	1s18	4 22	6 35	1 7	12 17	1 22	20 26	0 47	2 36	1 8	15 7	1 18	20 53	0 7	15 3	1 45	19 36	16 35	21 16	21 32	3 7	11 8	6 6	W23
T 24	7 7	6 26	4 49	5 41	0 59	11 51	1 22	20 33	0 46	2 31	1 8	15 5	1 18	20 53	0 7	15 4	1 45	19 36	16 36	21 18	21 32	3 10	11 6	6 6	T 24
F 25	6 44	11 21	5 4	4 46	0 50	11 24	1 23	20 39	0 45	2 25	1 8	15 3	1 18	20 53	0 7	15 4	1 45	19 37	16 36	21 20	21 33	3 13	11 5	6 6	F 25
S 26	6 21	15 52	5 6	3 51	0 41	10 57	1 24	20 45	0 44	2 19	1 8	15 0	1 18	20 53	0 7	15 4	1 45	19 38	16 36	21 21	21 33	3 16	11 4	6 6	S 26
S 27	5 58	19 47	4 54	2 54	0 31	10 30	1 24	20 51	0 43	2 13	1 7	14 58	1 18	20 53	0 7	15 5	1 45	19 39	16 36	21 23	21 34	3 19	11 3	6 6	S 27
M28	5 34	22 56	4 29	1 58	0 20	10 3	1 25	20 56	0 42	2 8	1 7	14 56	1 18	20 53	0 7	15 5	1 45	19 39	16 36	21 23	21 35	3 22	11 1	6 7	M28
T 29	5s11	25s 4	3s51	1s 1	0s 9	9s35	1s25	21s 2	0n41	2s 2	1s 7	14s54	1s18	20s53	0n 7	15n 6	1s45	19n40	16n36	21s24	21s35	3s25	11s 0	6n 7	T 29

Julian Day Number = 2169615.5, Delta T = 12m26s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'35, Lahiri = 13°05'35 Julian Calendar 1 Feb. 1228 == Greg. Calendar 8 Feb. 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

MARCH 1228 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 4 2	17♓54'48	17♐58	29♓43	10♓ 8	8♐20	27♓44	23♒51	3°R50	16♉17	18°R44	24°D 0	22♑52	27♍57	13♒28	W 1
T 2	11 7 58	18°54'22	0♑55	1♈37	11°22	8°49	27°59	23°58	3♐50	16°18	18♍42	24♑ 0	22°49	28° 4	13°32	T 2
F 3	11 11 55	19°53'54	14°18	3°29	12°37	9°17	28°13	24° 5	3°50	16°20	18°40	24° 1	22°46	28°11	13°36	F 3
S 4	11 15 52	20°53'25	28° 8	5°18	13°51	9°44	28°27	24°12	3°50	16°21	18°39	24°R 1	22°42	28°17	13°40	S 4
S 5	11 19 48	21°52'53	12♒27	7° 4	15° 6	10°12	28°42	24°18	3°50	16°23	18°37	24° 0	22°39	28°24	13°43	S 5
M 6	11 23 45	22°52'20	27°11	8°47	16°20	10°39	28°56	24°25	3°50	16°24	18°35	23°56	22°36	28°31	13°47	M 6
T 7	11 27 41	23°51'44	12♓17	10°26	17°35	11° 6	29°11	24°32	3°49	16°26	18°34	23°50	22°33	28°37	13°51	T 7
W 8	11 31 38	24°51'07	27°34	12° 1	18°49	11°33	29°25	24°39	3°49	16°27	18°32	23°42	22°30	28°44	13°54	W 8
T 9	11 35 34	25°50'27	12♈53	13°31	20° 4	12° 0	29°40	24°45	3°49	16°29	18°31	23°32	22°26	28°51	13°58	T 9
F 10	11 39 31	26°49'46	28° 1	14°56	21°18	12°26	29°54	24°52	3°48	16°30	18°29	23°23	22°23	28°58	14° 1	F 10
S 11	11 43 27	27°49'02	12♉49	16°16	22°33	12°52	0♈ 9	24°58	3°48	16°32	18°27	23°15	22°20	29° 4	14° 5	S 11
S 12	11 47 24	28°48'16	27°11	17°30	23°47	13°18	0°23	25° 5	3°47	16°34	18°26	23° 8	22°17	29°11	14° 8	S 12
M13	11 51 21	29°47'27	11♊ 4	18°38	25° 2	13°44	0°38	25°11	3°47	16°35	18°24	23° 5	22°14	29°18	14°12	M13
T 14	11 55 17	0♈46'36	24°28	19°40	26°16	14° 9	0°52	25°18	3°46	16°37	18°22	23° 3	22°11	29°24	14°15	T 14
W15	11 59 14	1°45'43	7♋26	20°35	27°31	14°34	1° 7	25°24	3°45	16°39	18°21	23°D 3	22° 7	29°31	14°19	W15
T 16	12 3 10	2°44'47	20° 2	21°24	28°45	14°59	1°21	25°30	3°45	16°40	18°19	23°R 3	22° 4	29°38	14°22	T 16
F 17	12 7 7	3°43'49	2♌21	22° 6	29°59	15°24	1°36	25°37	3°44	16°42	18°18	23° 3	22° 1	29°45	14°25	F 17
S 18	12 11 3	4°42'49	14°28	22°42	1♈14	15°48	1°50	25°43	3°43	16°44	18°16	23° 1	21°58	29°51	14°28	S 18
S 19	12 15 0	5°41'47	26°26	23°10	2°28	16°12	2° 5	25°49	3°42	16°46	18°15	22°57	21°55	29°58	14°31	S 19
M20	12 18 56	6°40'42	8♍20	23°32	3°42	16°36	2°19	25°55	3°41	16°47	18°13	22°49	21°51	0♎ 5	14°35	M20
T 21	12 22 53	7°39'35	20°11	23°47	4°57	16°59	2°34	26° 1	3°40	16°49	18°12	22°39	21°48	0°11	14°38	T 21
W22	12 26 50	8°38'25	2♎ 3	23°55	6°11	17°22	2°48	26° 7	3°39	16°51	18°10	22°27	21°45	0°18	14°41	W22
T 23	12 30 46	9°37'14	13°56	23°R57	7°25	17°45	3° 2	26°13	3°38	16°53	18° 9	22°13	21°42	0°25	14°44	T 23
F 24	12 34 43	10°36'01	25°52	23°52	8°40	18° 7	3°17	26°19	3°37	16°55	18° 7	21°59	21°39	0°32	14°47	F 24
S 25	12 38 39	11°34'46	7♏53	23°41	9°54	18°29	3°31	26°25	3°36	16°57	18° 6	21°46	21°36	0°38	14°49	S 25
S 26	12 42 36	12°33'28	19°59	23°25	11° 8	18°51	3°46	26°31	3°35	16°59	18° 4	21°35	21°32	0°45	14°52	S 26
M27	12 46 32	13°32'10	2♐14	23° 3	12°22	19°12	4° 0	26°37	3°33	17° 1	18° 3	21°27	21°29	0°52	14°55	M27
T 28	12 50 29	14°30'49	14°38	22°36	13°37	19°33	4°14	26°43	3°32	17° 2	18° 1	21°21	21°26	0°58	14°58	T 28
W29	12 54 25	15°29'27	27°17	22° 5	14°51	19°54	4°29	26°48	3°31	17° 4	18° 0	21°19	21°23	1° 5	15° 1	W29
T 30	12 58 22	16°28'03	10♑13	21°30	16° 5	20°14	4°43	26°54	3°29	17° 6	17°58	21°18	21°20	1°12	15° 3	T 30
F 31	13 2 19	17♈26'37	23♑29	20♈53	17♈19	20♐34	4♈57	26♒59	3♐28	17♉ 8	17♍57	21♑18	21♑17	1♎19	15♒ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s48	26s 0	3s 1	0s 5	0n 2	9s 7	1s25	21s 7	0n40	1s56	1s 7	14s52	1s18	20s53	0n 7	15n 6	1s45	19n41	16n36	21s24	21s36	3s28	10s59	6n 7
T 2	4 24	25 33	2 1	0n52	0 14	8 39	1 26	21 13	0 39	1 50	1 7	14 49	1 19	20 53	0 7	15 6	1 45	19 41	16 36	21 24	21 36	3 31	10 58	6 7
F 3	4 1	23 38	0 52	1 47	0 26	8 11	1 26	21 18	0 38	1 44	1 7	14 47	1 19	20 53	0 7	15 7	1 45	19 42	16 36	21 24	21 37	3 34	10 56	6 7
S 4	3 38	20 16	0n22	2 42	0 38	7 42	1 26	21 24	0 37	1 39	1 7	14 45	1 19	20 53	0 7	15 7	1 45	19 43	16 36	21 24	21 37	3 37	10 55	6 8
S 5	3 14	15 35	1 37	3 36	0 51	7 13	1 26	21 29	0 36	1 33	1 7	14 43	1 19	20 53	0 7	15 8	1 45	19 44	16 36	21 24	21 38	3 40	10 54	6 8
M 6	2 50	9 53	2 48	4 28	1 3	6 44	1 26	21 34	0 35	1 27	1 7	14 41	1 19	20 53	0 7	15 8	1 45	19 44	16 36	21 25	21 38	3 43	10 53	6 8
T 7	2 27	3 28	3 48	5 18	1 16	6 15	1 26	21 39	0 34	1 21	1 7	14 39	1 19	20 53	0 7	15 9	1 45	19 45	16 36	21 26	21 39	3 46	10 52	6 8
W 8	2 3	3n12	4 33	6 7	1 28	5 46	1 26	21 44	0 32	1 15	1 7	14 36	1 19	20 53	0 7	15 9	1 45	19 46	16 36	21 27	21 39	3 49	10 50	6 8
T 9	1 40	9 41	4 58	6 53	1 40	5 16	1 26	21 49	0 31	1 10	1 7	14 34	1 19	20 53	0 7	15 10	1 45	19 46	16 36	21 29	21 40	3 52	10 49	6 9
F 10	1 16	15 31	5 3	7 37	1 52	4 47	1 26	21 53	0 30	1 4	1 7	14 32	1 20	20 53	0 7	15 10	1 45	19 47	16 36	21 30	21 40	3 55	10 48	6 9
S 11	0 52	20 17	4 46	8 19	2 3	4 17	1 26	21 58	0 29	0 58	1 7	14 30	1 20	20 53	0 7	15 11	1 45	19 47	16 36	21 32	21 41	3 58	10 47	6 9
S 12	0 29	23 42	4 12	8 57	2 14	3 47	1 25	22 2	0 27	0 52	1 7	14 28	1 20	20 53	0 7	15 11	1 45	19 48	16 36	21 33	21 41	4 1	10 45	6 9
M13	0 5	25 34	3 24	9 33	2 24	3 17	1 25	22 7	0 26	0 47	1 7	14 26	1 20	20 52	0 7	15 12	1 45	19 49	16 36	21 33	21 42	4 4	10 44	6 10
T 14	0n19	25 51	2 26	10 5	2 34	2 47	1 24	22 11	0 25	0 41	1 7	14 24	1 20	20 52	0 7	15 12	1 44	19 49	16 36	21 34	21 42	4 7	10 43	6 10
W15	0 42	24 42	1 22	10 35	2 42	2 17	1 24	22 16	0 23	0 35	1 7	14 22	1 20	20 52	0 7	15 13	1 44	19 50	16 36	21 34	21 43	4 10	10 42	6 10
T 16	1 6	22 18	0 16	11 0	2 50	1 46	1 23	22 20	0 22	0 29	1 7	14 20	1 20	20 52	0 7	15 13	1 44	19 50	16 36	21 34	21 43	4 13	10 41	6 10
F 17	1 29	18 55	0s49	11 23	2 57	1 16	1 23	22 24	0 20	0 23	1 7	14 18	1 20	20 52	0 7	15 14	1 44	19 51	16 36	21 34	21 44	4 16	10 40	6 11
S 18	1 53	14 47	1 51	11 41	3 3	0 46	1 22	22 28	0 19	0 18	1 7	14 16	1 21	20 52	0 7	15 14	1 44	19 51	16 36	21 34	21 44	4 19	10 38	6 11
S 19	2 16	10 8	2 47	11 57	3 8	0 15	1 21	22 32	0 17	0 12	1 7	14 14	1 21	20 52	0 7	15 15	1 44	19 52	16 36	21 35	21 45	4 22	10 37	6 11
M20	2 40	5 9	3 35	12 8	3 11	0n15	1 20	22 36	0 16	0 6	1 7	14 12	1 21	20 51	0 7	15 16	1 44	19 52	16 36	21 36	21 45	4 25	10 36	6 11
T 21	3 3	0 1	4 14	12 15	3 13	0 45	1 20	22 40	0 14	0 0	1 7	14 10	1 21	20 51	0 7	15 16	1 44	19 53	16 35	21 38	21 46	4 28	10 35	6 12
W22	3 26	5s 7	4 42	12 19	3 14	1 16	1 19	22 44	0 12	0n 5	1 7	14 8	1 21	20 51	0 7	15 17	1 44	19 53	16 35	21 40	21 46	4 31	10 34	6 12
T 23	3 50	10 4	4 57	12 19	3 13	1 46	1 18	22 48	0 11	0 11	1 7	14 6	1 21	20 51	0 7	15 17	1 44	19 54	16 35	21 42	21 47	4 34	10 33	6 12
F 24	4 13	14 40	4 59	12 16	3 11	2 17	1 17	22 51	0 9	0 17	1 7	14 4	1 22	20 51	0 7	15 18	1 44	19 54	16 35	21 44	21 47	4 37	10 32	6 13
S 25	4 36	18 44	4 48	12 8	3 8	2 47	1 15	22 55	0 7	0 23	1 7	14 2	1 22	20 50	0 7	15 18	1 44	19 55	16 35	21 46	21 48	4 40	10 30	6 13
S 26	4 59	22 3	4 25	11 57	3 3	3 17	1 14	22 59	0 6	0 28	1 7	14 1	1 22	20 50	0 7	15 19	1 44	19 55	16 35	21 48	21 49	4 43	10 29	6 13
M27	5 22	24 25	3 48	11 43	2 56	3 47	1 13	23 2	0 4	0 34	1 7	13 59	1 22	20 50	0 7	15 20	1 44	19 56	16 34	21 49	21 49	4 46	10 28	6 14
T 28	5 45	25 38	3 1	11 26	2 48	4 17	1 12	23 6	0 2	0 40	1 7	13 57	1 22	20 50	0 7	15 20	1 44	19 56	16 34	21 50	21 50	4 49	10 27	6 14
W29	6 7	25 34	2 3	11 5	2 39	4 47	1 10	23 9	0s 0	0 45	1 7	13 55	1 22	20 49	0 7	15 21	1 44	19 56	16 34	21 51	21 50	4 52	10 26	6 14
T 30	6 30	24 7	0 58	10 42	2 28	5 17	1 9	23 13	0 2	0 51	1 7	13 53	1 22	20 49	0 7	15 21	1 44	19 57	16 34	21 51	21 50	4 54	10 25	6 14
F 31	6n53	21s18	0n12	10n17	2n16	5n47	1s 8	23s16	0s 4	0n57	1s 7	13s52	1s23	20s49	0n 7	15n22	1s44	19n57	16n34	21s51	21s51	4s57	10s24	6n15

Julian Day Number = 2169644.5, Delta T = 12m26s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'39, Lahiri = 13°05'39 Julian Calendar 1 March 1228 == Greg. Calendar 8 March 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

APRIL 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 6 15	18♈25'09	7♒10	20°R13	18♈33	20♐53	5♈12	27♒ 5	3°R26	17♉10	17°R56	21°R17	21♑13	1♎25	15♒ 8	S 1
S 2	13 10 12	19°23'40	21°16	19♈32	19°47	21°12	5°26	27°10	3♐25	17°12	17♍54	21♑15	21°10	1°32	15°11	S 2
M 3	13 14 8	20°22'10	5♓49	18°50	21° 2	21°31	5°40	27°16	3°23	17°14	17°53	21°11	21° 7	1°39	15°13	M 3
T 4	13 18 5	21°20'37	20°43	18° 8	22°16	21°49	5°54	27°21	3°22	17°17	17°52	21° 3	21° 4	1°45	15°16	T 4
W 5	13 22 1	22°19'03	5♈53	17°27	23°30	22° 6	6° 9	27°26	3°20	17°19	17°50	20°54	21° 1	1°52	15°18	W 5
T 6	13 25 58	23°17'27	21° 8	16°48	24°44	22°24	6°23	27°31	3°18	17°21	17°49	20°43	20°57	1°59	15°20	T 6
F 7	13 29 54	24°15'49	6♉17	16°11	25°58	22°40	6°37	27°36	3°17	17°23	17°48	20°32	20°54	2° 6	15°23	F 7
S 8	13 33 51	25°14'09	21°11	15°37	27°12	22°57	6°51	27°41	3°15	17°25	17°47	20°22	20°51	2°12	15°25	S 8
S 9	13 37 47	26°12'28	5♊40	15° 6	28°26	23°12	7° 5	27°46	3°13	17°27	17°45	20°14	20°48	2°19	15°27	S 9
M10	13 41 44	27°10'44	19°41	14°38	29°40	23°28	7°19	27°51	3°11	17°29	17°44	20° 9	20°45	2°26	15°29	M10
T 11	13 45 41	28° 8'58	3♋12	14°15	0♉54	23°42	7°33	27°56	3°10	17°31	17°43	20° 6	20°42	2°32	15°31	T 11
W12	13 49 37	29° 7'10	16°15	13°57	2° 8	23°57	7°47	28° 1	3° 8	17°33	17°42	20°D 5	20°38	2°39	15°33	W12
T 13	13 53 34	0♉ 5'21	28°54	13°42	3°22	24°10	8° 1	28° 5	3° 6	17°36	17°41	20°R 5	20°35	2°46	15°35	T 13
F 14	13 57 30	1° 3'29	11♌14	13°33	4°36	24°24	8°15	28°10	3° 4	17°38	17°40	20° 5	20°32	2°53	15°37	F 14
S 15	14 1 27	2° 1'35	23°19	13°28	5°50	24°36	8°29	28°15	3° 2	17°40	17°39	20° 3	20°29	2°59	15°38	S 15
S 16	14 5 23	2°59'39	5♍16	13°D28	7° 4	24°48	8°43	28°19	3° 0	17°42	17°37	19°59	20°26	3° 6	15°40	S 16
M17	14 9 20	3°57'41	17° 7	13°33	8°18	25° 0	8°56	28°23	2°58	17°44	17°36	19°53	20°23	3°13	15°42	M17
T 18	14 13 16	4°55'41	28°58	13°42	9°32	25°11	9°10	28°28	2°56	17°47	17°35	19°44	20°19	3°19	15°43	T 18
W19	14 17 13	5°53'40	10♎50	13°56	10°46	25°21	9°24	28°32	2°54	17°49	17°34	19°32	20°16	3°26	15°45	W19
T 20	14 21 10	6°51'36	22°47	14°15	12° 0	25°31	9°38	28°36	2°52	17°51	17°34	19°19	20°13	3°33	15°46	T 20
F 21	14 25 6	7°49'31	4♏50	14°38	13°14	25°40	9°51	28°40	2°49	17°53	17°33	19° 6	20°10	3°40	15°48	F 21
S 22	14 29 3	8°47'25	16°59	15° 5	14°27	25°48	10° 5	28°44	2°47	17°55	17°32	18°54	20° 7	3°46	15°49	S 22
S 23	14 32 59	9°45'17	29°17	15°37	15°41	25°56	10°18	28°48	2°45	17°58	17°31	18°44	20° 3	3°53	15°50	S 23
M24	14 36 56	10°43'08	11♐44	16°12	16°55	26° 3	10°32	28°52	2°43	18° 0	17°30	18°36	20° 0	4° 0	15°52	M24
T 25	14 40 52	11°40'57	24°21	16°52	18° 9	26°10	10°45	28°56	2°41	18° 2	17°29	18°31	19°57	4° 6	15°53	T 25
W26	14 44 49	12°38'45	7♑ 9	17°35	19°23	26°16	10°58	28°59	2°38	18° 4	17°28	18°29	19°54	4°13	15°54	W26
T 27	14 48 45	13°36'31	20°12	18°22	20°36	26°21	11°12	29° 3	2°36	18° 7	17°28	18°D28	19°51	4°20	15°55	T 27
F 28	14 52 42	14°34'17	3♒31	19°12	21°50	26°25	11°25	29° 6	2°34	18° 9	17°27	18°29	19°48	4°27	15°56	F 28
S 29	14 56 39	15°32'01	17° 9	20° 5	23° 4	26°29	11°38	29°10	2°31	18°11	17°26	18°R29	19°44	4°33	15°57	S 29
S 30	15 0 35	16♉29'45	1♓ 7	21♈ 2	24♉18	26♐32	11♈51	29♒13	2♐29	18♉13	17♍26	18♑28	19♑41	4♎40	15♒58	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n15	17s13	1n23	9n49	2n 3	6n17	1s 6	23s20	0s 6	1n 2	1s 8	13s50	1s23	20s49	0n 7	15n22	1s44	19n57	16n33	21s51	21s51	5s 0	10s23	6n15
S 2	7 37	12 5	2 31	9 20	1 48	6 46	1 5	23 23	0 8	1 8	1 8	13 48	1 23	20 48	0 7	15 23	1 44	19 58	16 33	21 51	21 52	5 3	10 22	6 15
M 3	7 59	6 8	3 32	8 50	1 33	7 16	1 3	23 26	0 10	1 14	1 8	13 46	1 23	20 48	0 7	15 24	1 44	19 58	16 33	21 52	21 52	5 6	10 21	6 16
T 4	8 22	0n17	4 20	8 20	1 17	7 45	1 1	23 29	0 12	1 19	1 8	13 45	1 23	20 48	0 7	15 24	1 44	19 58	16 33	21 53	21 53	5 9	10 20	6 16
W 5	8 43	6 47	4 50	7 49	1 1	8 14	1 0	23 33	0 15	1 25	1 8	13 43	1 23	20 47	0 7	15 25	1 44	19 59	16 32	21 55	21 53	5 12	10 19	6 16
T 6	9 5	12 54	5 0	7 18	0 44	8 43	0 58	23 36	0 17	1 30	1 8	13 42	1 24	20 47	0 7	15 25	1 44	19 59	16 32	21 56	21 54	5 15	10 18	6 17
F 7	9 27	18 13	4 49	6 48	0 27	9 12	0 56	23 39	0 19	1 36	1 8	13 40	1 24	20 47	0 7	15 26	1 44	19 59	16 32	21 58	21 54	5 18	10 17	6 17
S 8	9 48	22 17	4 18	6 20	0 10	9 40	0 54	23 42	0 21	1 42	1 8	13 38	1 24	20 47	0 7	15 27	1 44	19 59	16 32	21 59	21 55	5 21	10 16	6 17
S 9	10 10	24 49	3 32	5 52	0s 7	10 9	0 53	23 46	0 24	1 47	1 8	13 37	1 24	20 46	0 7	15 27	1 44	20 0	16 31	22 1	21 55	5 24	10 15	6 18
M10	10 31	25 41	2 33	5 26	0 23	10 37	0 51	23 49	0 26	1 53	1 8	13 35	1 24	20 46	0 7	15 28	1 44	20 0	16 31	22 1	21 56	5 27	10 14	6 18
T 11	10 52	24 58	1 28	5 3	0 39	11 4	0 49	23 52	0 29	1 58	1 8	13 34	1 25	20 45	0 7	15 29	1 43	20 0	16 31	22 2	21 56	5 30	10 13	6 19
W12	11 12	22 53	0 20	4 41	0 55	11 32	0 47	23 55	0 31	2 4	1 8	13 32	1 25	20 45	0 7	15 29	1 43	20 0	16 30	22 2	21 57	5 33	10 12	6 19
T 13	11 33	19 42	0s46	4 22	1 10	11 59	0 45	23 59	0 34	2 9	1 8	13 31	1 25	20 45	0 7	15 30	1 43	20 0	16 30	22 2	21 57	5 36	10 11	6 19
F 14	11 53	15 44	1 49	4 5	1 24	12 26	0 43	24 2	0 36	2 14	1 8	13 29	1 25	20 44	0 7	15 30	1 43	20 1	16 30	22 2	21 58	5 39	10 11	6 20
S 15	12 14	11 11	2 46	3 51	1 37	12 53	0 41	24 5	0 39	2 20	1 8	13 28	1 25	20 44	0 7	15 31	1 43	20 1	16 29	22 2	21 58	5 42	10 10	6 20
S 16	12 34	6 17	3 35	3 39	1 50	13 19	0 39	24 8	0 42	2 25	1 8	13 27	1 25	20 44	0 7	15 32	1 43	20 1	16 29	22 3	21 59	5 44	10 9	6 20
M17	12 54	1 13	4 14	3 30	2 2	13 45	0 37	24 11	0 45	2 31	1 8	13 25	1 26	20 43	0 7	15 32	1 43	20 1	16 29	22 4	21 59	5 47	10 8	6 21
T 18	13 13	3s53	4 42	3 23	2 13	14 11	0 34	24 15	0 48	2 36	1 8	13 24	1 26	20 43	0 7	15 33	1 43	20 1	16 28	22 5	22 0	5 50	10 7	6 21
W19	13 33	8 52	4 57	3 20	2 23	14 36	0 32	24 18	0 50	2 41	1 9	13 23	1 26	20 42	0 7	15 34	1 43	20 1	16 28	22 7	22 0	5 53	10 6	6 21
T 20	13 52	13 32	5 0	3 18	2 32	15 1	0 30	24 21	0 53	2 47	1 9	13 21	1 26	20 42	0 7	15 34	1 43	20 1	16 28	22 8	22 1	5 56	10 6	6 22
F 21	14 11	17 44	4 50	3 20	2 40	15 26	0 28	24 25	0 56	2 52	1 9	13 20	1 26	20 42	0 7	15 35	1 43	20 1	16 27	22 10	22 1	5 59	10 5	6 22
S 22	14 29	21 14	4 26	3 23	2 48	15 50	0 25	24 28	0 59	2 57	1 9	13 19	1 27	20 41	0 7	15 35	1 43	20 1	16 27	22 12	22 2	6 2	10 4	6 23
S 23	14 48	23 49	3 50	3 29	2 54	16 14	0 23	24 31	1 3	3 2	1 9	13 18	1 27	20 41	0 7	15 36	1 43	20 1	16 27	22 13	22 2	6 5	10 3	6 23
M24	15 6	25 18	3 2	3 38	3 0	16 38	0 21	24 35	1 6	3 8	1 9	13 17	1 27	20 40	0 7	15 37	1 43	20 1	16 26	22 15	22 3	6 8	10 3	6 23
T 25	15 24	25 30	2 5	3 48	3 5	17 1	0 19	24 38	1 9	3 13	1 9	13 16	1 27	20 40	0 7	15 37	1 43	20 1	16 26	22 15	22 3	6 11	10 2	6 24
W26	15 42	24 21	1 0	4 1	3 9	17 23	0 16	24 41	1 12	3 18	1 9	13 14	1 27	20 39	0 7	15 38	1 43	20 1	16 25	22 16	22 3	6 14	10 1	6 24
T 27	15 59	21 52	0n 9	4 16	3 12	17 45	0 14	24 45	1 16	3 23	1 9	13 13	1 28	20 39	0 7	15 39	1 43	20 1	16 25	22 16	22 4	6 17	10 1	6 24
F 28	16 17	18 10	1 19	4 33	3 14	18 7	0 11	24 48	1 19	3 28	1 9	13 12	1 28	20 39	0 7	15 39	1 43	20 1	16 25	22 16	22 4	6 19	10 0	6 25
S 29	16 34	13 26	2 27	4 52	3 16	18 28	0 9	24 52	1 22	3 33	1 9	13 11	1 28	20 38	0 7	15 40	1 43	20 1	16 24	22 16	22 5	6 22	9 59	6 25
S 30	16n50	7s54	3n27	5n12	3s17	18n49	0s 7	24s56	1s26	3n38	1s 9	13s10	1s28	20s38	0n 7	15n41	1s43	20n 1	16n24	22s16	22s 5	6s25	9s59	6n26

Julian Day Number = 2169675.5, Delta T = 12m26s
Ecliptic obliquity = 23°32'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'43, Lahiri = 13°05'43 Julian Calendar 1 Apr. 1228 == Greg. Calendar 8 Apr. 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

MAY 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 4 32	17♉27'27	15♓26	22♈ 2	25♉32	26♐35	12♈ 4	29♒16	2°R27	18♉16	17°R25	18°R25	19♑38	4♎47	15♒58	M 1
T 2	15 8 28	18°25'08	0♈ 2	23° 6	26°45	26°36	12°17	29°19	2♐24	18°18	17♍24	18♑20	19°35	4°54	15°59	T 2
W 3	15 12 25	19°22'47	14°53	24°12	27°59	26°37	12°30	29°22	2°22	18°20	17°24	18°13	19°32	5° 0	16° 0	W 3
T 4	15 16 21	20°20'26	29°49	25°21	29°13	26°R37	12°43	29°25	2°20	18°22	17°23	18° 5	19°28	5° 7	16° 0	T 4
F 5	15 20 18	21°18'04	14♉43	26°33	0♊26	26°37	12°56	29°28	2°17	18°25	17°23	17°56	19°25	5°14	16° 1	F 5
S 6	15 24 14	22°15'41	29°26	27°47	1°40	26°35	13° 9	29°31	2°15	18°27	17°22	17°48	19°22	5°20	16° 2	S 6
S 7	15 28 11	23°13'16	13♊49	29° 5	2°54	26°33	13°22	29°34	2°12	18°29	17°22	17°42	19°19	5°27	16° 2	S 7
M 8	15 32 8	24°10'50	27°48	0♉25	4° 7	26°30	13°34	29°36	2°10	18°31	17°21	17°38	19°16	5°34	16° 2	M 8
T 9	15 36 4	25° 8'23	11♋21	1°48	5°21	26°26	13°47	29°39	2° 8	18°34	17°21	17°D36	19°13	5°41	16° 3	T 9
W10	15 40 1	26° 5'54	24°28	3°13	6°35	26°22	13°59	29°41	2° 5	18°36	17°21	17°36	19° 9	5°47	16° 3	W10
T 11	15 43 57	27° 3'24	7♌10	4°41	7°48	26°17	14°12	29°43	2° 3	18°38	17°20	17°37	19° 6	5°54	16° 3	T 11
F 12	15 47 54	28° 0'53	19°34	6°11	9° 2	26°11	14°24	29°46	2° 0	18°40	17°20	17°38	19° 3	6° 1	16° 3	F 12
S 13	15 51 50	28°58'20	1♍42	7°44	10°16	26° 4	14°36	29°48	1°58	18°42	17°20	17°R39	19° 0	6° 7	16°R 3	S 13
S 14	15 55 47	29°55'46	13°40	9°20	11°29	25°57	14°49	29°50	1°55	18°45	17°19	17°37	18°57	6°14	16° 3	S 14
M15	15 59 43	0♊53'11	25°32	10°58	12°43	25°49	15° 1	29°52	1°53	18°47	17°19	17°34	18°54	6°21	16° 3	M15
T 16	16 3 40	1°50'34	7♎24	12°38	13°56	25°40	15°13	29°54	1°50	18°49	17°19	17°30	18°50	6°28	16° 3	T 16
W17	16 7 37	2°47'57	19°19	14°21	15°10	25°30	15°25	29°55	1°48	18°51	17°19	17°23	18°47	6°34	16° 3	W17
T 18	16 11 33	3°45'18	1♏21	16° 7	16°23	25°20	15°37	29°57	1°45	18°54	17°19	17°16	18°44	6°41	16° 2	T 18
F 19	16 15 30	4°42'38	13°31	17°54	17°37	25° 9	15°48	29°59	1°43	18°56	17°19	17° 8	18°41	6°48	16° 2	F 19
S 20	16 19 26	5°39'58	25°51	19°45	18°50	24°58	16° 0	0♓ 0	1°40	18°58	17°19	17° 1	18°38	6°54	16° 2	S 20
S 21	16 23 23	6°37'16	8♐23	21°38	20° 4	24°45	16°12	0° 1	1°38	19° 0	17°D19	16°55	18°34	7° 1	16° 1	S 21
M22	16 27 19	7°34'34	21° 6	23°33	21°17	24°33	16°23	0° 3	1°35	19° 2	17°19	16°50	18°31	7° 8	16° 1	M22
T 23	16 31 16	8°31'51	4♑ 2	25°30	22°31	24°19	16°35	0° 4	1°33	19° 4	17°19	16°48	18°28	7°15	16° 0	T 23
W24	16 35 13	9°29'08	17° 9	27°30	23°44	24° 5	16°46	0° 5	1°31	19° 6	17°19	16°D47	18°25	7°21	15°59	W24
T 25	16 39 9	10°26'24	0♒29	29°31	24°58	23°51	16°57	0° 6	1°28	19° 9	17°19	16°48	18°22	7°28	15°59	T 25
F 26	16 43 6	11°23'40	14° 2	1♊35	26°11	23°36	17° 9	0° 7	1°26	19°11	17°19	16°49	18°19	7°35	15°58	F 26
S 27	16 47 2	12°20'55	27°48	3°40	27°25	23°20	17°20	0° 8	1°23	19°13	17°19	16°50	18°15	7°42	15°57	S 27
S 28	16 50 59	13°18'10	11♓47	5°47	28°38	23° 4	17°31	0° 8	1°21	19°15	17°19	16°R51	18°12	7°48	15°56	S 28
M29	16 54 55	14°15'24	25°58	7°56	29°52	22°47	17°42	0° 9	1°18	19°17	17°20	16°50	18° 9	7°55	15°55	M29
T 30	16 58 52	15°12'39	10♈19	10° 5	1♋ 5	22°31	17°52	0° 9	1°16	19°19	17°20	16°49	18° 6	8° 2	15°54	T 30
W31	17 2 48	16♊ 9'53	24♈48	12♊15	2♋18	22♐13	18♈ 3	0♓10	1♐14	19♉21	17♍20	16♑45	18♑ 3	8♎ 8	15♒53	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 7	1s50	4n16	5n34	3s17	19n 9	0s 4	24s59	1s29	3n43	1s10	13s 9	1s28	20s37	0n 7	15n41	1s43	20n 1	16n23	22s16	22s 6	6s28	9s58	6n26
T 2	17 23	4n26	4 49	5 58	3 16	19 29	0 2	25 3	1 33	3 48	1 10	13 8	1 29	20 37	0 7	15 42	1 43	20 0	16 23	22 17	22 6	6 31	9 57	6 26
W 3	17 39	10 33	5 4	6 24	3 15	19 48	0n 1	25 6	1 37	3 53	1 10	13 8	1 29	20 36	0 7	15 42	1 43	20 0	16 23	22 18	22 7	6 34	9 57	6 27
T 4	17 54	16 6	4 58	6 51	3 13	20 7	0 3	25 10	1 40	3 58	1 10	13 7	1 29	20 36	0 7	15 43	1 43	20 0	16 22	22 19	22 7	6 37	9 56	6 27
F 5	18 10	20 39	4 32	7 19	3 11	20 25	0 5	25 14	1 44	4 3	1 10	13 6	1 29	20 35	0 7	15 44	1 43	20 0	16 22	22 20	22 8	6 40	9 56	6 28
S 6	18 25	23 50	3 48	7 49	3 7	20 43	0 8	25 18	1 48	4 8	1 10	13 5	1 30	20 35	0 7	15 44	1 43	20 0	16 21	22 21	22 8	6 43	9 55	6 28
S 7	18 39	25 23	2 51	8 20	3 3	21 0	0 10	25 21	1 52	4 13	1 10	13 4	1 30	20 34	0 7	15 45	1 43	20 0	16 21	22 22	22 9	6 45	9 55	6 28
M 8	18 54	25 15	1 44	8 52	2 59	21 16	0 13	25 25	1 56	4 18	1 10	13 4	1 30	20 34	0 7	15 45	1 43	19 59	16 20	22 22	22 9	6 48	9 54	6 29
T 9	19 8	23 37	0 34	9 26	2 54	21 32	0 15	25 29	2 0	4 23	1 10	13 3	1 30	20 33	0 7	15 46	1 43	19 59	16 20	22 23	22 9	6 51	9 54	6 29
W10	19 22	20 43	0s37	10 0	2 48	21 47	0 18	25 33	2 3	4 27	1 11	13 2	1 30	20 33	0 7	15 47	1 43	19 59	16 20	22 23	22 10	6 54	9 53	6 30
T 11	19 35	16 53	1 43	10 36	2 42	22 2	0 20	25 37	2 7	4 32	1 11	13 2	1 31	20 33	0 7	15 47	1 43	19 59	16 19	22 22	22 10	6 57	9 53	6 30
F 12	19 48	12 26	2 43	11 12	2 35	22 16	0 22	25 41	2 11	4 37	1 11	13 1	1 31	20 32	0 7	15 48	1 43	19 58	16 19	22 22	22 11	7 0	9 53	6 30
S 13	20 1	7 34	3 35	11 49	2 28	22 29	0 25	25 44	2 16	4 41	1 11	13 1	1 31	20 32	0 7	15 49	1 43	19 58	16 18	22 22	22 11	7 3	9 52	6 31
S 14	20 13	2 31	4 16	12 27	2 20	22 42	0 27	25 48	2 20	4 46	1 11	13 0	1 31	20 31	0 7	15 49	1 43	19 58	16 18	22 22	22 12	7 5	9 52	6 31
M15	20 25	2s35	4 46	13 5	2 12	22 54	0 29	25 52	2 24	4 51	1 11	13 0	1 32	20 31	0 7	15 50	1 43	19 57	16 17	22 23	22 12	7 8	9 52	6 31
T 16	20 37	7 35	5 3	13 44	2 3	23 6	0 32	25 56	2 28	4 55	1 11	12 59	1 32	20 30	0 7	15 50	1 43	19 57	16 17	22 23	22 13	7 11	9 51	6 32
W17	20 48	12 20	5 8	14 24	1 54	23 17	0 34	26 0	2 32	5 0	1 11	12 59	1 32	20 30	0 7	15 51	1 43	19 57	16 16	22 24	22 13	7 14	9 51	6 32
T 18	20 59	16 39	4 59	15 4	1 44	23 27	0 36	26 3	2 36	5 4	1 12	12 58	1 32	20 29	0 7	15 51	1 43	19 56	16 16	22 25	22 13	7 17	9 51	6 33
F 19	21 10	20 21	4 36	15 44	1 35	23 36	0 39	26 7	2 40	5 9	1 12	12 58	1 32	20 29	0 7	15 52	1 43	19 56	16 15	22 26	22 14	7 20	9 50	6 33
S 20	21 20	23 12	4 1	16 23	1 24	23 45	0 41	26 11	2 44	5 13	1 12	12 58	1 33	20 28	0 7	15 53	1 43	19 55	16 15	22 27	22 14	7 23	9 50	6 33
S 21	21 30	24 58	3 13	17 3	1 14	23 53	0 43	26 15	2 49	5 17	1 12	12 57	1 33	20 28	0 7	15 53	1 43	19 55	16 14	22 28	22 15	7 25	9 50	6 34
M22	21 40	25 29	2 15	17 43	1 3	24 0	0 45	26 18	2 53	5 22	1 12	12 57	1 33	20 27	0 7	15 54	1 43	19 55	16 14	22 28	22 15	7 28	9 50	6 34
T 23	21 49	24 37	1 9	18 22	0 53	24 7	0 48	26 22	2 57	5 26	1 12	12 57	1 33	20 27	0 7	15 54	1 43	19 54	16 14	22 29	22 16	7 31	9 49	6 34
W24	21 58	22 24	0n 2	19 1	0 42	24 13	0 50	26 25	3 1	5 30	1 12	12 57	1 34	20 26	0 7	15 55	1 43	19 54	16 13	22 29	22 16	7 34	9 49	6 35
T 25	22 6	18 56	1 14	19 38	0 30	24 18	0 52	26 29	3 5	5 34	1 13	12 57	1 34	20 26	0 7	15 56	1 43	19 53	16 13	22 29	22 17	7 37	9 49	6 35
F 26	22 15	14 24	2 23	20 15	0 19	24 23	0 54	26 32	3 9	5 38	1 13	12 57	1 34	20 25	0 7	15 56	1 43	19 53	16 12	22 29	22 17	7 40	9 49	6 36
S 27	22 22	9 5	3 25	20 50	0 8	24 27	0 56	26 35	3 13	5 43	1 13	12 57	1 34	20 25	0 7	15 57	1 43	19 52	16 12	22 28	22 17	7 42	9 49	6 36
S 28	22 30	3 14	4 16	21 24	0n 3	24 30	0 58	26 38	3 17	5 47	1 13	12 57	1 34	20 24	0 7	15 57	1 43	19 52	16 11	22 28	22 18	7 45	9 49	6 36
M29	22 36	2n51	4 52	21 56	0 13	24 32	1 0	26 41	3 21	5 51	1 13	12 57	1 35	20 24	0 7	15 58	1 43	19 51	16 11	22 28	22 18	7 48	9 49	6 37
T 30	22 43	8 51	5 10	22 27	0 24	24 34	1 2	26 44	3 25	5 55	1 13	12 57	1 35	20 23	0 7	15 58	1 43	19 51	16 10	22 29	22 19	7 51	9 49	6 37
W31	22n49	14n26	5n 9	22n55	0n34	24n35	1n 4	26s47	3s29	5n59	1s14	12s57	1s35	20s23	0n 7	15n59	1s43	19n50	16n10	22s29	22s19	7s54	9s49	6n37

Julian Day Number = 2169705.5, Delta T = 12m25s
Ecliptic obliquity = 23°32'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'47, Lahiri = 13°05'47 Julian Calendar 1 May 1228 == Greg. Calendar 8 May 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

JUNE 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 6 45	17♊ 7'07	9♉19	14♊27	3♋32	21°R56	18♈14	0♓10	1°R11	19♉23	17♍21	16°R42	18♎ 0	8♏15	15°R52	T 1
F 2	17 10 42	18° 4'21	23°47	16°38	4°45	21♐38	18°24	0°10	1♐ 9	19°25	17°21	16♎37	17°56	8°22	15♒51	F 2
S 3	17 14 38	19° 1'34	8♊ 7	18°50	5°58	21°20	18°35	0°R10	1° 7	19°27	17°21	16°34	17°53	8°29	15°50	S 3
S 4	17 18 35	19°58'48	22°11	21° 1	7°12	21° 1	18°45	0°10	1° 4	19°29	17°22	16°31	17°50	8°35	15°48	S 4
M 5	17 22 31	20°56'01	5♋57	23°12	8°25	20°43	18°55	0°10	1° 2	19°31	17°22	16°29	17°47	8°42	15°47	M 5
T 6	17 26 28	21°53'13	19°22	25°22	9°38	20°24	19° 5	0°10	1° 0	19°33	17°23	16°D29	17°44	8°49	15°46	T 6
W 7	17 30 24	22°50'25	2♌25	27°31	10°52	20° 6	19°15	0°10	0°58	19°35	17°23	16°30	17°40	8°56	15°44	W 7
T 8	17 34 21	23°47'37	15° 8	29°39	12° 5	19°47	19°25	0° 9	0°55	19°37	17°24	16°31	17°37	9° 2	15°43	T 8
F 9	17 38 17	24°44'48	27°32	1♋46	13°18	19°29	19°35	0° 9	0°53	19°39	17°24	16°33	17°34	9° 9	15°41	F 9
S 10	17 42 14	25°41'59	9♍42	3°51	14°32	19°10	19°44	0° 8	0°51	19°41	17°25	16°34	17°31	9°16	15°40	S 10
S 11	17 46 11	26°39'09	21°42	5°55	15°45	18°52	19°54	0° 7	0°49	19°43	17°26	16°R35	17°28	9°22	15°38	S 11
M12	17 50 7	27°36'19	3♎36	7°57	16°58	18°34	20° 3	0° 6	0°47	19°45	17°26	16°35	17°25	9°29	15°36	M12
T 13	17 54 4	28°33'29	15°30	9°57	18°11	18°16	20°12	0° 5	0°45	19°47	17°27	16°34	17°21	9°36	15°34	T 13
W14	17 58 0	29°30'38	27°27	11°56	19°25	17°59	20°21	0° 4	0°43	19°48	17°28	16°32	17°18	9°43	15°33	W14
T 15	18 1 57	0♋27'47	9♏31	13°52	20°38	17°42	20°30	0° 3	0°40	19°50	17°29	16°30	17°15	9°49	15°31	T 15
F 16	18 5 53	1°24'56	21°47	15°47	21°51	17°25	20°39	0° 2	0°38	19°52	17°30	16°28	17°12	9°56	15°29	F 16
S 17	18 9 50	2°22'05	4♐16	17°40	23° 4	17° 8	20°48	0° 1	0°36	19°54	17°30	16°26	17° 9	10° 3	15°27	S 17
S 18	18 13 46	3°19'14	17° 1	19°30	24°17	16°52	20°57	29♒59	0°35	19°56	17°31	16°24	17° 6	10° 9	15°25	S 18
M19	18 17 43	4°16'23	0♑ 2	21°19	25°30	16°37	21° 5	29°58	0°33	19°57	17°32	16°23	17° 2	10°16	15°23	M19
T 20	18 21 40	5°13'32	13°19	23° 5	26°44	16°22	21°13	29°56	0°31	19°59	17°33	16°D23	16°59	10°23	15°20	T 20
W21	18 25 36	6°10'42	26°50	24°50	27°57	16° 7	21°22	29°55	0°29	20° 1	17°34	16°23	16°56	10°30	15°18	W21
T 22	18 29 33	7° 7'51	10♒35	26°33	29°10	15°53	21°30	29°53	0°27	20° 2	17°35	16°23	16°53	10°36	15°16	T 22
F 23	18 33 29	8° 5'01	24°31	28°13	0♌23	15°40	21°38	29°51	0°25	20° 4	17°36	16°24	16°50	10°43	15°14	F 23
S 24	18 37 26	9° 2'12	8♓36	29°52	1°36	15°28	21°45	29°49	0°23	20° 6	17°37	16°25	16°46	10°50	15°12	S 24
S 25	18 41 22	9°59'23	22°46	1♌29	2°49	15°16	21°53	29°47	0°22	20° 7	17°38	16°25	16°43	10°57	15° 9	S 25
M26	18 45 19	10°56'35	7♈ 0	3° 3	4° 2	15° 4	22° 1	29°45	0°20	20° 9	17°39	16°R26	16°40	11° 3	15° 7	M26
T 27	18 49 15	11°53'47	21°14	4°36	5°15	14°54	22° 8	29°43	0°18	20°10	17°41	16°25	16°37	11°10	15° 4	T 27
W28	18 53 12	12°51'00	5♉27	6° 7	6°28	14°44	22°15	29°41	0°17	20°12	17°42	16°25	16°34	11°17	15° 2	W28
T 29	18 57 9	13°48'14	19°36	7°35	7°41	14°35	22°22	29°38	0°15	20°13	17°43	16°25	16°31	11°23	14°59	T 29
F 30	19 1 5	14♋45'29	3♊37	9♌ 2	8♌54	14♐26	22♈29	29♒36	0♐14	20♉15	17♍44	16♎25	16♎27	11♏30	14♒57	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n55	19n12	4n48	23n21	0n44	24n35	1n 6	26s50	3s33	6n 2	1s14	12s57	1s35	20s22	0n 7	15n59	1s44	19n49	16n 9	22s30	22s19	7s56	9s49	6n38
F 2	23 0	22 49	4 9	23 45	0 53	24 35	1 8	26 52	3 36	6 6	1 14	12 57	1 36	20 22	0 7	16 0	1 44	19 49	16 9	22 30	22 20	7 59	9 49	6 38
S 3	23 5	24 57	3 15	24 5	1 2	24 34	1 9	26 55	3 40	6 10	1 14	12 57	1 36	20 21	0 7	16 0	1 44	19 48	16 8	22 31	22 20	8 2	9 49	6 38
S 4	23 10	25 28	2 9	24 24	1 10	24 32	1 11	26 57	3 44	6 14	1 14	12 57	1 36	20 21	0 7	16 1	1 44	19 48	16 8	22 31	22 21	8 5	9 49	6 39
M 5	23 14	24 22	0 57	24 39	1 17	24 29	1 13	26 59	3 47	6 18	1 14	12 58	1 36	20 20	0 7	16 1	1 44	19 47	16 7	22 31	22 21	8 8	9 49	6 39
T 6	23 17	21 52	0s16	24 52	1 24	24 26	1 14	27 1	3 50	6 21	1 15	12 58	1 37	20 20	0 7	16 2	1 44	19 46	16 7	22 31	22 22	8 10	9 49	6 39
W 7	23 21	18 18	1 26	25 2	1 31	24 21	1 16	27 3	3 54	6 25	1 15	12 58	1 37	20 20	0 7	16 2	1 44	19 46	16 6	22 31	22 22	8 13	9 49	6 40
T 8	23 24	13 58	2 31	25 8	1 36	24 17	1 18	27 5	3 57	6 28	1 15	12 59	1 37	20 19	0 7	16 3	1 44	19 45	16 6	22 31	22 22	8 16	9 49	6 40
F 9	23 26	9 8	3 27	25 13	1 41	24 11	1 19	27 7	4 0	6 32	1 15	12 59	1 37	20 19	0 7	16 3	1 44	19 44	16 5	22 31	22 23	8 19	9 49	6 40
S 10	23 28	4 4	4 12	25 14	1 45	24 5	1 21	27 8	4 3	6 35	1 15	12 59	1 37	20 18	0 7	16 4	1 44	19 44	16 5	22 30	22 23	8 22	9 49	6 41
S 11	23 30	1s 4	4 46	25 13	1 48	23 58	1 22	27 9	4 6	6 39	1 16	13 0	1 38	20 18	0 7	16 4	1 44	19 43	16 5	22 30	22 24	8 24	9 50	6 41
M12	23 31	6 8	5 7	25 9	1 51	23 50	1 23	27 11	4 9	6 42	1 16	13 0	1 38	20 17	0 7	16 5	1 44	19 42	16 4	22 30	22 24	8 27	9 50	6 41
T 13	23 32	10 58	5 15	25 2	1 53	23 42	1 24	27 12	4 11	6 45	1 16	13 1	1 38	20 17	0 7	16 5	1 44	19 42	16 4	22 31	22 24	8 30	9 50	6 42
W14	23 32	15 25	5 9	24 54	1 54	23 33	1 26	27 13	4 14	6 49	1 16	13 2	1 38	20 17	0 7	16 6	1 44	19 41	16 3	22 31	22 25	8 33	9 50	6 42
T 15	23 32	19 18	4 50	24 43	1 55	23 23	1 27	27 13	4 16	6 52	1 16	13 2	1 39	20 16	0 7	16 6	1 44	19 40	16 3	22 31	22 25	8 36	9 51	6 42
F 16	23 32	22 26	4 17	24 30	1 54	23 12	1 28	27 14	4 19	6 55	1 16	13 3	1 39	20 16	0 7	16 7	1 44	19 39	16 2	22 31	22 26	8 38	9 51	6 42
S 17	23 31	24 34	3 32	24 15	1 53	23 1	1 29	27 15	4 21	6 58	1 17	13 3	1 39	20 15	0 7	16 7	1 44	19 39	16 2	22 31	22 26	8 41	9 51	6 43
S 18	23 30	25 29	2 35	23 58	1 52	22 49	1 30	27 15	4 23	7 1	1 17	13 4	1 39	20 15	0 7	16 8	1 44	19 38	16 1	22 32	22 27	8 44	9 52	6 43
M19	23 28	25 2	1 29	23 39	1 50	22 37	1 31	27 15	4 25	7 4	1 17	13 5	1 39	20 15	0 7	16 8	1 44	19 37	16 1	22 32	22 27	8 47	9 52	6 43
T 20	23 26	23 9	0 17	23 19	1 47	22 24	1 32	27 16	4 27	7 7	1 17	13 6	1 40	20 14	0 7	16 8	1 44	19 36	16 0	22 32	22 27	8 49	9 52	6 44
W21	23 24	19 56	0n58	22 57	1 44	22 10	1 32	27 16	4 29	7 10	1 17	13 6	1 40	20 14	0 7	16 9	1 44	19 36	16 0	22 32	22 28	8 52	9 53	6 44
T 22	23 21	15 34	2 10	22 34	1 40	21 56	1 33	27 16	4 30	7 13	1 18	13 7	1 40	20 13	0 7	16 9	1 44	19 35	16 0	22 32	22 28	8 55	9 53	6 44
F 23	23 18	10 20	3 16	22 10	1 35	21 41	1 34	27 16	4 32	7 16	1 18	13 8	1 40	20 13	0 7	16 10	1 44	19 34	15 59	22 32	22 29	8 58	9 53	6 44
S 24	23 14	4 31	4 10	21 44	1 30	21 25	1 34	27 16	4 33	7 18	1 18	13 9	1 41	20 13	0 7	16 10	1 44	19 33	15 59	22 32	22 29	9 0	9 54	6 45
S 25	23 10	1n33	4 50	21 18	1 25	21 9	1 35	27 16	4 34	7 21	1 18	13 10	1 41	20 12	0 7	16 10	1 44	19 32	15 58	22 32	22 29	9 3	9 54	6 45
M26	23 5	7 34	5 12	20 50	1 19	20 52	1 35	27 16	4 35	7 24	1 19	13 11	1 41	20 12	0 7	16 11	1 44	19 32	15 58	22 32	22 30	9 6	9 55	6 45
T 27	23 0	13 11	5 16	20 22	1 12	20 35	1 36	27 15	4 36	7 26	1 19	13 12	1 41	20 12	0 7	16 11	1 44	19 31	15 57	22 32	22 30	9 9	9 55	6 45
W28	22 55	18 6	4 59	19 53	1 5	20 17	1 36	27 15	4 37	7 29	1 19	13 13	1 41	20 11	0 6	16 12	1 44	19 30	15 57	22 32	22 31	9 11	9 56	6 45
T 29	22 49	21 57	4 25	19 23	0 58	19 58	1 36	27 15	4 38	7 31	1 19	13 14	1 42	20 11	0 6	16 12	1 44	19 29	15 57	22 32	22 31	9 14	9 56	6 46
F 30	22n43	24n29	3n35	18n53	0n50	19n39	1n36	27s15	4s39	7n34	1s19	13s15	1s42	20s11	0n 6	16n12	1s44	19n28	15n56	22s32	22s31	9s17	9s57	6n46

Julian Day Number = 2169736.5, Delta T = 12m25s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'51, Lahiri = 13°05'52 Julian Calendar 1 June 1228 == Greg. Calendar 8 June 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

JULY 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 5 2	15♋42'44	17♊28	10♌26	10♌ 7	14°R19	22♈36	29°R33	0°R12	20♉16	17♍45	16°R25	16♏24	11♎37	14°R54	S 1
S 2	19 8 58	16°40'00	1♋ 7	11°49	11°20	14♐12	22°43	29♒30	0♐11	20°18	17°47	16°D25	16°21	11°44	14♒52	S 2
M 3	19 12 55	17°37'17	14°32	13° 9	12°33	14° 6	22°49	29°28	0° 9	20°19	17°48	16°R25	16°18	11°50	14°49	M 3
T 4	19 16 51	18°34'35	27°40	14°27	13°46	14° 1	22°55	29°25	0° 8	20°21	17°49	16♏25	16°15	11°57	14°46	T 4
W 5	19 20 48	19°31'53	10♌32	15°43	14°59	13°57	23° 2	29°22	0° 7	20°22	17°51	16°24	16°12	12° 4	14°44	W 5
T 6	19 24 45	20°29'11	23° 8	16°57	16°11	13°53	23° 7	29°19	0° 5	20°23	17°52	16°24	16° 8	12°11	14°41	T 6
F 7	19 28 41	21°26'30	5♍29	18° 8	17°24	13°50	23°13	29°16	0° 4	20°25	17°53	16°24	16° 5	12°17	14°38	F 7
S 8	19 32 38	22°23'50	17°38	19°17	18°37	13°49	23°19	29°13	0° 3	20°26	17°55	16°23	16° 2	12°24	14°35	S 8
S 9	19 36 34	23°21'10	29°38	20°23	19°50	13°48	23°24	29°10	0° 2	20°27	17°56	16°22	15°59	12°31	14°33	S 9
M10	19 40 31	24°18'30	11♎32	21°26	21° 3	13°D48	23°30	29° 7	0° 1	20°28	17°58	16°22	15°56	12°37	14°30	M10
T 11	19 44 27	25°15'52	23°26	22°27	22°15	13°49	23°35	29° 3	29♏59	20°30	17°59	16°D21	15°52	12°44	14°27	T 11
W12	19 48 24	26°13'13	5♏22	23°25	23°28	13°50	23°40	29° 0	29°59	20°31	18° 1	16°21	15°49	12°51	14°24	W12
T 13	19 52 20	27°10'36	17°27	24°21	24°41	13°53	23°45	28°56	29°58	20°32	18° 3	16°22	15°46	12°58	14°21	T 13
F 14	19 56 17	28° 7'59	29°44	25°13	25°54	13°56	23°49	28°53	29°57	20°33	18° 4	16°23	15°43	13° 4	14°18	F 14
S 15	20 0 14	29° 5'23	12♐18	26° 1	27° 6	14° 0	23°54	28°49	29°56	20°34	18° 6	16°24	15°40	13°11	14°15	S 15
S 16	20 4 10	0♌ 2'48	25°10	26°47	28°19	14° 5	23°58	28°46	29°55	20°35	18° 7	16°25	15°37	13°18	14°12	S 16
M17	20 8 7	1° 0'14	8♏24	27°29	29°31	14°11	24° 2	28°42	29°54	20°36	18° 9	16°26	15°33	13°24	14° 9	M17
T 18	20 12 3	1°57'40	21°59	28° 7	0♍44	14°18	24° 6	28°38	29°53	20°37	18°11	16°R26	15°30	13°31	14° 6	T 18
W19	20 16 0	2°55'08	5♒54	28°41	1°56	14°25	24°10	28°34	29°53	20°38	18°12	16°25	15°27	13°38	14° 3	W19
T 20	20 19 56	3°52'36	20° 6	29°12	3° 9	14°33	24°13	28°30	29°52	20°39	18°14	16°24	15°24	13°45	14° 0	T 20
F 21	20 23 53	4°50'06	4♓30	29°37	4°21	14°42	24°17	28°26	29°51	20°40	18°16	16°21	15°21	13°51	13°57	F 21
S 22	20 27 49	5°47'37	19° 0	29°59	5°34	14°52	24°20	28°22	29°51	20°41	18°18	16°19	15°18	13°58	13°54	S 22
S 23	20 31 46	6°45'09	3♈31	0♍15	6°46	15° 2	24°23	28°18	29°50	20°42	18°19	16°17	15°14	14° 5	13°51	S 23
M24	20 35 43	7°42'43	17°58	0°27	7°59	15°13	24°26	28°14	29°50	20°42	18°21	16°15	15°11	14°12	13°48	M24
T 25	20 39 39	8°40'18	2♉17	0°34	9°11	15°25	24°28	28°10	29°50	20°43	18°23	16°D14	15° 8	14°18	13°45	T 25
W26	20 43 36	9°37'55	16°23	0°R35	10°23	15°38	24°31	28° 6	29°49	20°44	18°25	16°14	15° 5	14°25	13°42	W26
T 27	20 47 32	10°35'34	0♊17	0°31	11°36	15°51	24°33	28° 2	29°49	20°45	18°27	16°15	15° 2	14°32	13°38	T 27
F 28	20 51 29	11°33'14	13°58	0°21	12°48	16° 5	24°35	27°57	29°49	20°45	18°29	16°16	14°58	14°38	13°35	F 28
S 29	20 55 25	12°30'56	27°25	0° 6	14° 0	16°20	24°37	27°53	29°49	20°46	18°31	16°18	14°55	14°45	13°32	S 29
S 30	20 59 22	13°28'40	10♋39	29♌45	15°13	16°35	24°39	27°49	29°48	20°47	18°32	16°R18	14°52	14°52	13°29	S 30
M31	21 3 18	14♌26'25	23♋39	29♌19	16♍25	16♐51	24♈40	27♒45	29♏48	20♉47	18♍34	16♏18	14♏49	14♎59	13♒26	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n37	25n30	2n34	18n22	0n42	19n20	1n36	27s14	4s39	7n36	1s20	13s16	1s42	20s10	0n 6	16n13	1s45	19n27	15n56	22s32	22s32	9s19	9s57	6n46
S 2	22 30	24 56	1 24	17 51	0 34	19 0	1 36	27 14	4 40	7 38	1 20	13 17	1 42	20 10	0 6	16 13	1 45	19 26	15 55	22 32	22 32	9 22	9 58	6 46
M 3	22 22	22 55	0 10	17 20	0 25	18 39	1 36	27 14	4 40	7 40	1 20	13 18	1 42	20 10	0 6	16 13	1 45	19 26	15 55	22 32	22 32	9 25	9 58	6 46
T 4	22 15	19 42	1s 2	16 49	0 15	18 18	1 36	27 13	4 41	7 42	1 20	13 19	1 43	20 10	0 6	16 14	1 45	19 25	15 55	22 32	22 33	9 28	9 59	6 47
W 5	22 7	15 35	2 10	16 17	0 6	17 56	1 36	27 13	4 41	7 44	1 21	13 21	1 43	20 9	0 6	16 14	1 45	19 24	15 54	22 32	22 33	9 30	10 0	6 47
T 6	21 58	10 53	3 10	15 45	0s 4	17 34	1 36	27 12	4 41	7 46	1 21	13 22	1 43	20 9	0 6	16 14	1 45	19 23	15 54	22 32	22 34	9 33	10 0	6 47
F 7	21 49	5 50	4 0	15 14	0 15	17 12	1 35	27 12	4 41	7 48	1 21	13 23	1 43	20 9	0 6	16 15	1 45	19 22	15 53	22 32	22 34	9 36	10 1	6 47
S 8	21 40	0 39	4 38	14 42	0 25	16 49	1 35	27 12	4 41	7 50	1 21	13 24	1 43	20 9	0 6	16 15	1 45	19 21	15 53	22 32	22 34	9 38	10 2	6 47
S 9	21 31	4s29	5 3	14 11	0 36	16 25	1 34	27 12	4 41	7 52	1 22	13 26	1 43	20 8	0 6	16 15	1 45	19 20	15 53	22 32	22 35	9 41	10 2	6 47
M10	21 21	9 25	5 15	13 41	0 47	16 1	1 34	27 11	4 40	7 54	1 22	13 27	1 44	20 8	0 6	16 15	1 45	19 19	15 52	22 32	22 35	9 44	10 3	6 47
T 11	21 10	13 59	5 14	13 10	0 58	15 37	1 33	27 11	4 40	7 55	1 22	13 28	1 44	20 8	0 6	16 16	1 45	19 18	15 52	22 32	22 35	9 47	10 4	6 48
W12	21 0	18 4	4 59	12 40	1 10	15 12	1 32	27 11	4 40	7 57	1 22	13 30	1 44	20 8	0 6	16 16	1 45	19 17	15 52	22 32	22 36	9 49	10 4	6 48
T 13	20 49	21 27	4 31	12 11	1 21	14 47	1 31	27 11	4 39	7 59	1 22	13 31	1 44	20 7	0 6	16 16	1 45	19 16	15 51	22 32	22 36	9 52	10 5	6 48
F 14	20 37	23 56	3 50	11 43	1 33	14 22	1 30	27 11	4 39	8 0	1 23	13 33	1 44	20 7	0 6	16 16	1 45	19 15	15 51	22 32	22 37	9 55	10 6	6 48
S 15	20 26	25 18	2 58	11 15	1 45	13 56	1 29	27 11	4 38	8 2	1 23	13 34	1 45	20 7	0 6	16 17	1 45	19 14	15 51	22 32	22 37	9 57	10 7	6 48
S 16	20 14	25 22	1 55	10 48	1 57	13 29	1 28	27 11	4 37	8 3	1 23	13 35	1 45	20 7	0 6	16 17	1 45	19 14	15 50	22 32	22 37	10 0	10 7	6 48
M17	20 1	24 0	0 44	10 23	2 9	13 3	1 27	27 10	4 37	8 4	1 23	13 37	1 45	20 7	0 6	16 17	1 45	19 13	15 50	22 31	22 38	10 3	10 8	6 48
T 18	19 48	21 14	0n31	9 58	2 21	12 36	1 26	27 11	4 36	8 5	1 24	13 38	1 45	20 7	0 6	16 17	1 45	19 12	15 50	22 31	22 38	10 5	10 9	6 48
W19	19 35	17 10	1 45	9 35	2 33	12 9	1 25	27 11	4 35	8 7	1 24	13 40	1 45	20 7	0 6	16 17	1 45	19 11	15 49	22 32	22 38	10 8	10 10	6 48
T 20	19 22	12 5	2 55	9 13	2 45	11 41	1 23	27 11	4 34	8 8	1 24	13 41	1 45	20 6	0 6	16 18	1 45	19 10	15 49	22 32	22 39	10 11	10 10	6 48
F 21	19 8	6 16	3 55	8 53	2 57	11 13	1 22	27 11	4 33	8 9	1 24	13 43	1 46	20 6	0 6	16 18	1 46	19 9	15 49	22 32	22 39	10 13	10 11	6 48
S 22	18 54	0 5	4 40	8 35	3 9	10 45	1 20	27 11	4 32	8 10	1 25	13 44	1 46	20 6	0 6	16 18	1 46	19 8	15 48	22 32	22 40	10 16	10 12	6 48
S 23	18 40	6n 6	5 7	8 18	3 20	10 17	1 19	27 11	4 31	8 10	1 25	13 46	1 46	20 6	0 6	16 18	1 46	19 7	15 48	22 33	22 40	10 19	10 13	6 48
M24	18 25	11 55	5 14	8 4	3 31	9 48	1 17	27 11	4 30	8 11	1 25	13 47	1 46	20 6	0 6	16 18	1 46	19 6	15 48	22 33	22 40	10 21	10 14	6 48
T 25	18 10	17 2	5 2	7 52	3 42	9 19	1 15	27 12	4 29	8 12	1 25	13 49	1 46	20 6	0 6	16 18	1 46	19 5	15 48	22 33	22 41	10 24	10 15	6 48
W26	17 55	21 9	4 32	7 42	3 52	8 50	1 14	27 12	4 28	8 13	1 26	13 51	1 46	20 6	0 6	16 19	1 46	19 4	15 47	22 33	22 41	10 27	10 15	6 48
T 27	17 39	23 59	3 46	7 34	4 1	8 21	1 12	27 12	4 27	8 13	1 26	13 52	1 46	20 6	0 6	16 19	1 46	19 3	15 47	22 33	22 41	10 29	10 16	6 48
F 28	17 23	25 21	2 48	7 29	4 10	7 51	1 10	27 13	4 25	8 14	1 26	13 54	1 46	20 6	0 6	16 19	1 46	19 2	15 47	22 33	22 42	10 32	10 17	6 48
S 29	17 7	25 13	1 42	7 27	4 18	7 22	1 8	27 13	4 24	8 14	1 26	13 55	1 47	20 6	0 6	16 19	1 46	19 1	15 46	22 32	22 42	10 34	10 18	6 48
S 30	16 51	23 38	0 31	7 28	4 25	6 52	1 6	27 13	4 23	8 15	1 27	13 57	1 47	20 6	0 6	16 19	1 46	19 0	15 46	22 32	22 42	10 37	10 19	6 48
M31	16n34	20n48	0s40	7n32	4s30	6n22	1n 4	27s14	4s22	8n15	1s27	13s59	1s47	20s 6	0n 6	16n19	1s46	18n59	15n46	22s32	22s43	10s40	10s20	6n48

Julian Day Number = 2169766.5, Delta T = 12m25s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°58'55, Lahiri = 13°05'56 Julian Calendar 1 July 1228 == Greg. Calendar 8 July 1228

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1228
geocentric

AUGUST 1228 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 7 15	15♌24'11	6♌28	28°R47	17♍37	17♐ 8	24♈41	27°R40	29°D48	20♉48	18♍36	16°R17	14♉46	15♎ 5	13°R23	T 1
W 2	21 11 12	16°21'59	19° 4	28♌10	18°49	17°25	24°42	27♒36	29♏48	20°48	18°38	16♉14	14°43	15°12	13♒20	W 2
T 3	21 15 8	17°19'49	1♍29	27°28	20° 1	17°43	24°43	27°31	29°48	20°49	18°40	16°10	14°39	15°19	13°17	T 3
F 4	21 19 5	18°17'39	13°43	26°42	21°13	18° 2	24°44	27°27	29°48	20°49	18°42	16° 4	14°36	15°26	13°14	F 4
S 5	21 23 1	19°15'31	25°47	25°53	22°25	18°21	24°44	27°22	29°49	20°50	18°44	15°58	14°33	15°32	13°10	S 5
S 6	21 26 58	20°13'25	7♎45	25° 1	23°37	18°41	24°45	27°18	29°49	20°50	18°46	15°53	14°30	15°39	13° 7	S 6
M 7	21 30 54	21°11'20	19°37	24° 7	24°49	19° 1	24°R45	27°13	29°49	20°50	18°48	15°48	14°27	15°46	13° 4	M 7
T 8	21 34 51	22° 9'16	1♏29	23°12	26° 1	19°22	24°45	27° 9	29°49	20°51	18°50	15°44	14°24	15°52	13° 1	T 8
W 9	21 38 47	23° 7'13	13°24	22°17	27°13	19°44	24°44	27° 4	29°50	20°51	18°53	15°42	14°20	15°59	12°58	W 9
T 10	21 42 44	24° 5'12	25°26	21°24	28°25	20° 6	24°44	27° 0	29°50	20°51	18°55	15°D42	14°17	16° 6	12°55	T 10
F 11	21 46 40	25° 3'13	7♐41	20°33	29°37	20°28	24°43	26°55	29°51	20°51	18°57	15°42	14°14	16°13	12°52	F 11
S 12	21 50 37	26° 1'15	20°12	19°47	0♎49	20°52	24°42	26°50	29°51	20°51	18°59	15°44	14°11	16°19	12°49	S 12
S 13	21 54 34	26°59'18	3♑ 5	19° 5	2° 0	21°15	24°41	26°46	29°52	20°52	19° 1	15°45	14° 8	16°26	12°46	S 13
M14	21 58 30	27°57'23	16°23	18°28	3°12	21°39	24°40	26°41	29°52	20°52	19° 3	15°R46	14° 4	16°33	12°43	M14
T 15	22 2 27	28°55'29	0♒ 7	17°59	4°24	22° 4	24°38	26°37	29°53	20°52	19° 5	15°45	14° 1	16°39	12°40	T 15
W16	22 6 23	29°53'37	14°18	17°37	5°35	22°29	24°37	26°32	29°54	20°52	19° 7	15°42	13°58	16°46	12°37	W16
T 17	22 10 20	0♍51'46	28°50	17°23	6°47	22°55	24°35	26°28	29°55	20°R52	19°10	15°37	13°55	16°53	12°34	T 17
F 18	22 14 16	1°49'57	13♓39	17°D17	7°58	23°21	24°33	26°23	29°55	20°52	19°12	15°31	13°52	17° 0	12°32	F 18
S 19	22 18 13	2°48'10	28°36	17°20	9°10	23°47	24°30	26°19	29°56	20°52	19°14	15°24	13°49	17° 6	12°29	S 19
S 20	22 22 9	3°46'25	13♈33	17°32	10°21	24°14	24°28	26°14	29°57	20°52	19°16	15°17	13°45	17°13	12°26	S 20
M21	22 26 6	4°44'42	28°20	17°53	11°33	24°41	24°25	26°10	29°58	20°52	19°18	15°11	13°42	17°20	12°23	M21
T 22	22 30 3	5°43'02	12♉51	18°23	12°44	25° 9	24°22	26° 5	29°59	20°52	19°21	15° 7	13°39	17°27	12°20	T 22
W23	22 33 59	6°41'23	27° 3	19° 2	13°55	25°37	24°19	26° 1	0♐ 0	20°51	19°23	15° 5	13°36	17°33	12°18	W23
T 24	22 37 56	7°39'47	10♊54	19°48	15° 6	26° 5	24°16	25°56	0° 1	20°51	19°25	15°D 4	13°33	17°40	12°15	T 24
F 25	22 41 52	8°38'12	24°24	20°43	16°18	26°34	24°12	25°52	0° 3	20°51	19°27	15° 5	13°29	17°47	12°12	F 25
S 26	22 45 49	9°36'41	7♋35	21°45	17°29	27° 4	24° 9	25°47	0° 4	20°51	19°29	15° 6	13°26	17°53	12°10	S 26
S 27	22 49 45	10°35'11	20°31	22°54	18°40	27°33	24° 5	25°43	0° 5	20°50	19°32	15°R 6	13°23	18° 0	12° 7	S 27
M28	22 53 42	11°33'43	3♌12	24° 9	19°51	28° 3	24° 1	25°39	0° 7	20°50	19°34	15° 4	13°20	18° 7	12° 4	M28
T 29	22 57 38	12°32'17	15°42	25°30	21° 2	28°34	23°57	25°34	0° 8	20°50	19°36	15° 0	13°17	18°14	12° 2	T 29
W30	23 1 35	13°30'54	28° 3	26°56	22°13	29° 4	23°52	25°30	0° 9	20°49	19°38	14°54	13°14	18°20	11°59	W30
T 31	23 5 32	14♍29'32	10♍15	28♌27	23♎24	29♐35	23♈48	25♒26	0♐11	20♉49	19♍41	14♉44	13♉10	18♎27	11♒57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n17	16n59	1s48	7n39	4s35	5n51	1n 1	27s14	4s20	8n15	1s27	14s 0	1s47	20s 6	0n 6	16n19	1s46	18n58	15n46	22s33	22s43	10s42	10s21	6n48
W 2	16 0	12 29	2 50	7 49	4 38	5 21	0 59	27 14	4 19	8 15	1 27	14 2	1 47	20 6	0 6	16 19	1 46	18 57	15 46	22 33	22 43	10 45	10 22	6 48
T 3	15 42	7 32	3 42	8 2	4 39	4 50	0 57	27 15	4 17	8 15	1 28	14 4	1 47	20 6	0 6	16 19	1 46	18 56	15 45	22 33	22 44	10 48	10 23	6 48
F 4	15 25	2 23	4 23	8 18	4 39	4 20	0 54	27 15	4 16	8 15	1 28	14 5	1 47	20 6	0 6	16 20	1 46	18 55	15 45	22 34	22 44	10 50	10 24	6 48
S 5	15 7	2s47	4 52	8 37	4 36	3 49	0 52	27 15	4 15	8 15	1 28	14 7	1 47	20 6	0 6	16 20	1 46	18 54	15 45	22 35	22 45	10 53	10 25	6 48
S 6	14 48	7 47	5 8	8 58	4 32	3 18	0 49	27 16	4 13	8 15	1 28	14 9	1 47	20 6	0 6	16 20	1 46	18 53	15 45	22 35	22 45	10 55	10 25	6 48
M 7	14 30	12 29	5 10	9 21	4 26	2 47	0 47	27 16	4 12	8 15	1 29	14 10	1 48	20 6	0 6	16 20	1 46	18 52	15 45	22 36	22 45	10 58	10 26	6 48
T 8	14 11	16 42	4 59	9 47	4 18	2 16	0 44	27 16	4 10	8 15	1 29	14 12	1 48	20 6	0 6	16 20	1 47	18 51	15 44	22 36	22 46	11 1	10 27	6 48
W 9	13 52	20 18	4 35	10 14	4 8	1 44	0 41	27 16	4 9	8 14	1 29	14 14	1 48	20 6	0 6	16 20	1 47	18 50	15 44	22 37	22 46	11 3	10 28	6 48
T 10	13 33	23 4	3 59	10 42	3 57	1 13	0 39	27 17	4 7	8 14	1 29	14 15	1 48	20 6	0 6	16 20	1 47	18 49	15 44	22 37	22 46	11 6	10 29	6 47
F 11	13 13	24 50	3 12	11 10	3 43	0 42	0 36	27 17	4 6	8 13	1 30	14 17	1 48	20 6	0 6	16 20	1 47	18 48	15 44	22 37	22 47	11 8	10 30	6 47
S 12	12 54	25 24	2 14	11 39	3 28	0 11	0 33	27 17	4 4	8 13	1 30	14 19	1 48	20 7	0 6	16 20	1 47	18 47	15 44	22 37	22 47	11 11	10 31	6 47
S 13	12 34	24 38	1 8	12 7	3 12	0s21	0 30	27 17	4 2	8 12	1 30	14 20	1 48	20 7	0 6	16 20	1 47	18 46	15 44	22 36	22 47	11 14	10 32	6 47
M14	12 14	22 28	0n 3	12 35	2 55	0 52	0 27	27 17	4 1	8 12	1 30	14 22	1 48	20 7	0 6	16 20	1 47	18 45	15 43	22 36	22 48	11 16	10 33	6 47
T 15	11 54	18 57	1 17	13 1	2 37	1 23	0 24	27 17	3 59	8 11	1 31	14 23	1 48	20 7	0 6	16 20	1 47	18 44	15 43	22 36	22 48	11 19	10 34	6 47
W16	11 33	14 15	2 28	13 25	2 19	1 55	0 21	27 17	3 58	8 10	1 31	14 25	1 48	20 7	0 6	16 20	1 47	18 43	15 43	22 37	22 48	11 21	10 35	6 47
T 17	11 13	8 38	3 31	13 47	2 0	2 26	0 18	27 17	3 56	8 9	1 31	14 27	1 48	20 7	0 6	16 20	1 47	18 42	15 43	22 37	22 49	11 24	10 36	6 46
F 18	10 52	2 26	4 21	14 7	1 41	2 57	0 14	27 16	3 54	8 8	1 31	14 28	1 48	20 8	0 6	16 19	1 47	18 41	15 43	22 38	22 49	11 26	10 37	6 46
S 19	10 31	3n56	4 54	14 24	1 22	3 29	0 11	27 16	3 53	8 7	1 31	14 30	1 48	20 8	0 6	16 19	1 47	18 40	15 43	22 39	22 49	11 29	10 38	6 46
S 20	10 10	10 4	5 7	14 38	1 4	4 0	0 8	27 16	3 51	8 6	1 32	14 31	1 48	20 8	0 6	16 19	1 47	18 39	15 43	22 40	22 50	11 32	10 39	6 46
M21	9 49	15 34	4 59	14 49	0 46	4 31	0 4	27 15	3 49	8 5	1 32	14 33	1 49	20 8	0 6	16 19	1 47	18 38	15 43	22 40	22 50	11 34	10 40	6 46
T 22	9 27	20 5	4 32	14 56	0 28	5 2	0 1	27 15	3 48	8 3	1 32	14 35	1 49	20 8	0 6	16 19	1 47	18 37	15 43	22 41	22 50	11 37	10 41	6 45
W23	9 6	23 17	3 49	15 0	0 12	5 33	0s 2	27 14	3 46	8 2	1 32	14 36	1 49	20 9	0 6	16 19	1 47	18 36	15 42	22 41	22 51	11 39	10 42	6 45
T 24	8 44	25 2	2 53	15 0	0n 4	6 4	0 6	27 13	3 44	8 1	1 33	14 38	1 49	20 9	0 6	16 19	1 47	18 35	15 42	22 41	22 51	11 42	10 43	6 45
F 25	8 22	25 14	1 49	14 57	0 19	6 35	0 9	27 12	3 43	7 59	1 33	14 39	1 49	20 9	0 6	16 19	1 48	18 35	15 42	22 41	22 51	11 44	10 44	6 45
S 26	8 0	23 59	0 40	14 50	0 33	7 5	0 13	27 11	3 41	7 58	1 33	14 41	1 49	20 9	0 6	16 19	1 48	18 34	15 42	22 41	22 52	11 47	10 45	6 44
S 27	7 38	21 29	0s29	14 39	0 45	7 36	0 16	27 10	3 39	7 56	1 33	14 42	1 49	20 10	0 6	16 19	1 48	18 33	15 42	22 41	22 52	11 49	10 46	6 44
M28	7 15	17 59	1 35	14 25	0 57	8 6	0 20	27 9	3 37	7 54	1 33	14 44	1 49	20 10	0 6	16 18	1 48	18 32	15 42	22 41	22 52	11 52	10 47	6 44
T 29	6 53	13 43	2 36	14 8	1 7	8 36	0 23	27 8	3 36	7 53	1 34	14 45	1 49	20 10	0 6	16 18	1 48	18 31	15 42	22 42	22 52	11 54	10 47	6 44
W30	6 30	8 57	3 28	13 47	1 16	9 6	0 27	27 6	3 34	7 51	1 34	14 47	1 49	20 11	0 6	16 18	1 48	18 30	15 42	22 42	22 53	11 57	10 48	6 43
T 31	6n 8	3n54	4s10	13n23	1n24	9s36	0s31	27s 5	3s32	7n49	1s34	14s48	1s49	20s11	0n 6	16n18	1s48	18n29	15n42	22s43	22s53	12s 0	10s49	6n43

Julian Day Number = 2169797.5, Delta T = 12m25s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'00, Lahiri = 13°06'00 Julian Calendar 1 Aug. 1228 == Greg. Calendar 8 Aug. 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

SEPTEMBER 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 9 28	15♍28'13	22♍20	0♍ 1	24♎35	0♑ 7	23°R43	25°R22	0♐12	20°R48	19♍43	14°R34	13♑ 7	18♎34	11°R54	F 1
S 2	23 13 25	16°26'55	4♎19	1°39	25°45	0°38	23♈38	25♒18	0°14	20♉48	19°45	14♑22	13° 4	18°40	11♒52	S 2
S 3	23 17 21	17°25'39	16°13	3°20	26°56	1°10	23°33	25°14	0°16	20°47	19°47	14°10	13° 1	18°47	11°50	S 3
M 4	23 21 18	18°24'26	28° 4	5° 3	28° 7	1°43	23°28	25°10	0°17	20°47	19°50	13°59	12°58	18°54	11°47	M 4
T 5	23 25 14	19°23'14	9♏54	6°48	29°17	2°16	23°22	25° 6	0°19	20°46	19°52	13°50	12°55	19° 1	11°45	T 5
W 6	23 29 11	20°22'04	21°48	8°35	0♏28	2°49	23°17	25° 2	0°21	20°45	19°54	13°44	12°51	19° 7	11°43	W 6
T 7	23 33 7	21°20'55	3♐47	10°22	1°38	3°22	23°11	24°58	0°23	20°45	19°57	13°40	12°48	19°14	11°41	T 7
F 8	23 37 4	22°19'49	15°58	12°11	2°49	3°55	23° 5	24°54	0°24	20°44	19°59	13°39	12°45	19°21	11°39	F 8
S 9	23 41 1	23°18'45	28°25	13°59	3°59	4°29	22°59	24°50	0°26	20°43	20° 1	13°D38	12°42	19°28	11°37	S 9
S 10	23 44 57	24°17'42	11♑13	15°48	5° 9	5° 3	22°53	24°47	0°28	20°43	20° 3	13°R39	12°39	19°34	11°35	S 10
M11	23 48 54	25°16'41	24°27	17°37	6°20	5°38	22°47	24°43	0°30	20°42	20° 6	13°38	12°35	19°41	11°33	M11
T 12	23 52 50	26°15'42	8♒ 9	19°26	7°30	6°12	22°40	24°39	0°32	20°41	20° 8	13°36	12°32	19°48	11°31	T 12
W13	23 56 47	27°14'44	22°21	21°15	8°40	6°47	22°34	24°36	0°34	20°40	20°10	13°32	12°29	19°54	11°29	W13
T 14	0 0 43	28°13'48	7♓ 0	23° 3	9°50	7°22	22°27	24°33	0°36	20°39	20°12	13°24	12°26	20° 1	11°27	T 14
F 15	0 4 40	29°12'55	22° 2	24°51	11° 0	7°58	22°20	24°29	0°39	20°38	20°15	13°15	12°23	20° 8	11°25	F 15
S 16	0 8 36	0♎12'03	7♈17	26°38	12° 9	8°33	22°13	24°26	0°41	20°37	20°17	13° 4	12°20	20°15	11°24	S 16
S 17	0 12 33	1°11'14	22°34	28°25	13°19	9° 9	22° 6	24°23	0°43	20°36	20°19	12°53	12°16	20°21	11°22	S 17
M18	0 16 30	2°10'26	7♉41	0♎11	14°29	9°45	21°59	24°20	0°45	20°36	20°21	12°44	12°13	20°28	11°20	M18
T 19	0 20 26	3° 9'41	22°30	1°56	15°38	10°21	21°52	24°17	0°48	20°35	20°24	12°37	12°10	20°35	11°19	T 19
W20	0 24 23	4° 8'59	6♊55	3°41	16°48	10°58	21°44	24°14	0°50	20°33	20°26	12°32	12° 7	20°42	11°17	W20
T 21	0 28 19	5° 8'19	20°53	5°25	17°57	11°34	21°37	24°11	0°52	20°32	20°28	12°30	12° 4	20°48	11°16	T 21
F 22	0 32 16	6° 7'41	4♋24	7° 8	19° 6	12°11	21°29	24° 8	0°55	20°31	20°30	12°30	12° 1	20°55	11°14	F 22
S 23	0 36 12	7° 7'06	17°31	8°50	20°16	12°48	21°22	24° 5	0°57	20°30	20°32	12°30	11°57	21° 2	11°13	S 23
S 24	0 40 9	8° 6'33	0♌18	10°32	21°25	13°25	21°14	24° 3	1° 0	20°29	20°35	12°29	11°54	21° 8	11°12	S 24
M25	0 44 5	9° 6'02	12°48	12°13	22°34	14° 3	21° 6	24° 0	1° 3	20°28	20°37	12°26	11°51	21°15	11°11	M25
T 26	0 48 2	10° 5'33	25° 6	13°53	23°43	14°40	20°58	23°58	1° 5	20°27	20°39	12°21	11°48	21°22	11°10	T 26
W27	0 51 59	11° 5'07	7♍15	15°32	24°51	15°18	20°50	23°55	1° 8	20°26	20°41	12°12	11°45	21°29	11° 8	W27
T 28	0 55 55	12° 4'43	19°17	17°11	26° 0	15°56	20°43	23°53	1°10	20°24	20°43	12° 1	11°41	21°35	11° 7	T 28
F 29	0 59 52	13° 4'21	1♎14	18°50	27° 9	16°34	20°35	23°51	1°13	20°23	20°45	11°47	11°38	21°42	11° 6	F 29
S 30	1 3 48	14♎ 4'01	13♎ 8	20♎27	28♏17	17♑12	20♈26	23♒49	1♐16	20♉22	20♍48	11♑32	11♑35	21♎49	11♒ 6	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n45	1s14	4s41	12n56	1n31	10s 6	0s34	27s 3	3s31	7n47	1s34	14s50	1s49	20s11	0n 6	16n18	1s48	18n28	15n42	22s44	22s53	12s 2	10s50	6n43
S 2	5 22	6 16	4 58	12 27	1 37	10 35	0 38	27 1	3 29	7 45	1 34	14 51	1 49	20 12	0 6	16 18	1 48	18 27	15 42	22 46	22 54	12 5	10 51	6 42
S 3	4 59	11 3	5 2	11 54	1 42	11 4	0 42	26 59	3 27	7 43	1 34	14 52	1 49	20 12	0 6	16 17	1 48	18 26	15 42	22 47	22 54	12 7	10 52	6 42
M 4	4 36	15 24	4 54	11 20	1 46	11 33	0 46	26 57	3 25	7 41	1 35	14 54	1 49	20 12	0 6	16 17	1 48	18 25	15 42	22 48	22 54	12 10	10 53	6 42
T 5	4 13	19 9	4 32	10 44	1 49	12 2	0 49	26 55	3 24	7 39	1 35	14 55	1 49	20 13	0 5	16 17	1 48	18 25	15 42	22 49	22 55	12 12	10 54	6 42
W 6	3 50	22 8	3 59	10 6	1 50	12 31	0 53	26 52	3 22	7 37	1 35	14 56	1 49	20 13	0 5	16 17	1 48	18 24	15 42	22 50	22 55	12 15	10 55	6 41
T 7	3 27	24 11	3 15	9 26	1 52	12 59	0 57	26 50	3 20	7 34	1 35	14 58	1 49	20 14	0 5	16 17	1 48	18 23	15 42	22 50	22 55	12 17	10 56	6 41
F 8	3 3	25 8	2 21	8 45	1 52	13 27	1 0	26 47	3 18	7 32	1 35	14 59	1 49	20 14	0 5	16 16	1 48	18 22	15 42	22 50	22 56	12 20	10 57	6 41
S 9	2 40	24 52	1 20	8 2	1 52	13 54	1 4	26 44	3 17	7 30	1 35	15 0	1 49	20 14	0 5	16 16	1 48	18 21	15 43	22 50	22 56	12 22	10 57	6 40
S 10	2 17	23 17	0 13	7 19	1 50	14 22	1 8	26 41	3 15	7 27	1 35	15 1	1 49	20 15	0 5	16 16	1 48	18 20	15 43	22 50	22 56	12 25	10 58	6 40
M11	1 53	20 23	0n57	6 35	1 49	14 49	1 12	26 38	3 13	7 25	1 36	15 2	1 49	20 15	0 5	16 16	1 48	18 19	15 43	22 50	22 56	12 27	10 59	6 40
T 12	1 30	16 17	2 6	5 50	1 46	15 15	1 15	26 35	3 11	7 22	1 36	15 4	1 48	20 16	0 5	16 15	1 48	18 19	15 43	22 50	22 57	12 29	11 0	6 39
W13	1 6	11 8	3 10	5 4	1 44	15 42	1 19	26 31	3 9	7 20	1 36	15 5	1 48	20 16	0 5	16 15	1 48	18 18	15 43	22 51	22 57	12 32	11 1	6 39
T 14	0 42	5 13	4 3	4 18	1 40	16 8	1 23	26 27	3 8	7 17	1 36	15 6	1 48	20 17	0 5	16 15	1 49	18 17	15 43	22 52	22 57	12 34	11 2	6 39
F 15	0 19	1n 7	4 41	3 32	1 37	16 34	1 27	26 24	3 6	7 15	1 36	15 7	1 48	20 17	0 5	16 15	1 49	18 16	15 43	22 53	22 58	12 37	11 3	6 38
S 16	0s 5	7 29	4 59	2 45	1 33	16 59	1 30	26 20	3 4	7 12	1 36	15 8	1 48	20 18	0 5	16 14	1 49	18 15	15 43	22 54	22 58	12 39	11 3	6 38
S 17	0 28	13 24	4 56	1 59	1 28	17 24	1 34	26 15	3 2	7 9	1 36	15 9	1 48	20 18	0 5	16 14	1 49	18 15	15 43	22 55	22 58	12 42	11 4	6 37
M18	0 52	18 26	4 33	1 12	1 23	17 48	1 38	26 11	3 1	7 7	1 36	15 10	1 48	20 18	0 5	16 14	1 49	18 14	15 43	22 56	22 59	12 44	11 5	6 37
T 19	1 16	22 12	3 51	0 25	1 18	18 12	1 41	26 6	2 59	7 4	1 36	15 11	1 48	20 19	0 5	16 13	1 49	18 13	15 44	22 56	22 59	12 47	11 6	6 37
W20	1 39	24 27	2 56	0s21	1 13	18 36	1 45	26 2	2 57	7 1	1 36	15 12	1 48	20 19	0 5	16 13	1 49	18 12	15 44	22 57	22 59	12 49	11 6	6 36
T 21	2 3	25 5	1 52	1 8	1 7	18 59	1 49	25 57	2 55	6 58	1 37	15 13	1 48	20 20	0 5	16 13	1 49	18 12	15 44	22 57	22 59	12 52	11 7	6 36
F 22	2 27	24 11	0 43	1 54	1 2	19 22	1 52	25 52	2 54	6 55	1 37	15 14	1 48	20 21	0 5	16 12	1 49	18 11	15 44	22 57	23 0	12 54	11 8	6 36
S 23	2 50	21 57	0s27	2 40	0 56	19 44	1 56	25 46	2 52	6 52	1 37	15 15	1 48	20 21	0 5	16 12	1 49	18 10	15 44	22 57	23 0	12 56	11 9	6 35
S 24	3 14	18 40	1 33	3 26	0 50	20 6	1 59	25 41	2 50	6 49	1 37	15 15	1 48	20 22	0 5	16 12	1 49	18 10	15 44	22 57	23 0	12 59	11 9	6 35
M25	3 37	14 36	2 33	4 11	0 43	20 28	2 3	25 35	2 48	6 46	1 37	15 16	1 48	20 22	0 5	16 11	1 49	18 9	15 45	22 57	23 1	13 1	11 10	6 34
T 26	4 1	10 0	3 24	4 56	0 37	20 49	2 6	25 29	2 47	6 44	1 37	15 17	1 48	20 23	0 5	16 11	1 49	18 8	15 45	22 58	23 1	13 4	11 11	6 34
W27	4 24	5 4	4 6	5 41	0 30	21 9	2 9	25 23	2 45	6 41	1 37	15 18	1 48	20 23	0 5	16 11	1 49	18 7	15 45	22 59	23 1	13 6	11 12	6 33
T 28	4 48	0 1	4 36	6 25	0 24	21 29	2 13	25 17	2 43	6 38	1 37	15 18	1 47	20 24	0 5	16 10	1 49	18 7	15 45	23 0	23 1	13 9	11 12	6 33
F 29	5 11	4s59	4 54	7 8	0 17	21 49	2 16	25 11	2 42	6 35	1 37	15 19	1 47	20 24	0 5	16 10	1 49	18 6	15 46	23 1	23 2	13 11	11 13	6 33
S 30	5s34	9s47	4s59	7s52	0n10	22s 7	2s19	25s 4	2s40	6n31	1s37	15s20	1s47	20s25	0n 5	16n10	1s49	18n 6	15n46	23s 2	23s 2	13s13	11s14	6n32

Julian Day Number = 2169828.5, Delta T = 12m25s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'04, Lahiri = 13°06'04 Julian Calendar 1 Sept. 1228 == Greg. Calendar 8 Sept. 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

OCTOBER 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 7 45	15♎ 3'43	25♎ 0	22♎ 4	29♏26	17♑51	20°R18	23°R47	1♐19	20°R20	20♍50	11°R18	11♑32	21♎55	11°R 5	S 1
M 2	1 11 41	16° 3'27	6♏52	23°40	0♐34	18°30	20♈10	23♒45	1°22	20♉19	20°52	11♑ 4	11°29	22° 2	11♒ 4	M 2
T 3	1 15 38	17° 3'14	18°44	25°16	1°42	19° 8	20° 2	23°43	1°24	20°18	20°54	10°53	11°26	22° 9	11° 3	T 3
W 4	1 19 34	18° 3'02	0♐39	26°51	2°50	19°47	19°54	23°41	1°27	20°16	20°56	10°44	11°22	22°16	11° 3	W 4
T 5	1 23 31	19° 2'52	12°41	28°26	3°58	20°26	19°46	23°39	1°30	20°15	20°58	10°39	11°19	22°22	11° 2	T 5
F 6	1 27 27	20° 2'43	24°52	29°59	5° 6	21° 6	19°38	23°38	1°33	20°14	21° 0	10°36	11°16	22°29	11° 2	F 6
S 7	1 31 24	21° 2'37	7♑17	1♏33	6°13	21°45	19°30	23°37	1°36	20°12	21° 2	10°D35	11°13	22°36	11° 1	S 7
S 8	1 35 21	22° 2'32	20° 0	3° 6	7°21	22°24	19°21	23°35	1°39	20°11	21° 4	10°R35	11°10	22°42	11° 1	S 8
M 9	1 39 17	23° 2'29	3♒ 6	4°39	8°28	23° 4	19°13	23°34	1°42	20° 9	21° 6	10°35	11° 6	22°49	11° 0	M 9
T 10	1 43 14	24° 2'28	16°39	6°11	9°35	23°44	19° 5	23°33	1°45	20° 8	21° 8	10°33	11° 3	22°56	11° 0	T 10
W11	1 47 10	25° 2'28	0♓42	7°42	10°42	24°24	18°57	23°32	1°48	20° 6	21°10	10°29	11° 0	23° 3	11° 0	W11
T 12	1 51 7	26° 2'29	15°13	9°13	11°49	25° 4	18°49	23°31	1°51	20° 5	21°12	10°22	10°57	23° 9	11° 0	T 12
F 13	1 55 3	27° 2'33	0♈10	10°44	12°56	25°44	18°41	23°30	1°55	20° 3	21°14	10°13	10°54	23°16	11° 0	F 13
S 14	1 59 0	28° 2'38	15°25	12°14	14° 2	26°24	18°33	23°29	1°58	20° 2	21°16	10° 3	10°51	23°23	11°D 0	S 14
S 15	2 2 56	29° 2'45	0♉46	13°43	15° 8	27° 4	18°25	23°29	2° 1	20° 0	21°18	9°52	10°47	23°30	11° 0	S 15
M16	2 6 53	0♏ 2'54	16° 4	15°12	16°14	27°45	18°18	23°28	2° 4	19°59	21°20	9°43	10°44	23°36	11° 0	M16
T 17	2 10 50	1° 3'04	1♊ 5	16°41	17°20	28°25	18°10	23°28	2° 8	19°57	21°22	9°35	10°41	23°43	11° 0	T 17
W18	2 14 46	2° 3'17	15°43	18° 9	18°26	29° 6	18° 2	23°27	2°11	19°56	21°23	9°31	10°38	23°50	11° 0	W18
T 19	2 18 43	3° 3'32	29°53	19°36	19°32	29°47	17°55	23°27	2°14	19°54	21°25	9°28	10°35	23°56	11° 1	T 19
F 20	2 22 39	4° 3'49	13♋33	21° 3	20°37	0♒28	17°47	23°D27	2°17	19°52	21°27	9°D28	10°32	24° 3	11° 1	F 20
S 21	2 26 36	5° 4'08	26°45	22°29	21°42	1° 9	17°40	23°27	2°21	19°51	21°29	9°29	10°28	24°10	11° 1	S 21
S 22	2 30 32	6° 4'29	9♌34	23°55	22°47	1°50	17°32	23°27	2°24	19°49	21°31	9°R29	10°25	24°17	11° 2	S 22
M23	2 34 29	7° 4'52	22° 3	25°20	23°51	2°31	17°25	23°28	2°28	19°47	21°32	9°28	10°22	24°23	11° 3	M23
T 24	2 38 25	8° 5'17	4♍16	26°44	24°56	3°12	17°18	23°28	2°31	19°46	21°34	9°24	10°19	24°30	11° 3	T 24
W25	2 42 22	9° 5'44	16°20	28° 8	26° 0	3°53	17°11	23°28	2°34	19°44	21°36	9°18	10°16	24°37	11° 4	W25
T 26	2 46 19	10° 6'12	28°16	29°30	27° 4	4°34	17° 4	23°29	2°38	19°42	21°37	9°10	10°12	24°43	11° 5	T 26
F 27	2 50 15	11° 6'43	10♎ 8	0♐52	28° 7	5°16	16°57	23°29	2°41	19°41	21°39	8°59	10° 9	24°50	11° 6	F 27
S 28	2 54 12	12° 7'15	22° 0	2°13	29°11	5°57	16°51	23°30	2°45	19°39	21°41	8°48	10° 6	24°57	11° 6	S 28
S 29	2 58 8	13° 7'49	3♏52	3°32	0♑14	6°39	16°44	23°31	2°48	19°37	21°42	8°36	10° 3	25° 4	11° 7	S 29
M30	3 2 5	14° 8'25	15°47	4°50	1°16	7°21	16°38	23°32	2°52	19°36	21°44	8°25	10° 0	25°10	11° 8	M30
T 31	3 6 1	15♏ 9'02	27♏45	6♐ 7	2♑19	8♒ 2	16♈31	23♒33	2♐55	19♉34	21♍45	8♑17	9♑57	25♎17	11♒10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s57	14s13	4s51	8s34	0n 4	22s26	2s22	24s57	2s38	6n28	1s37	15s20	1s47	20s26	0n 5	16n 9	1s49	18n 5	15n46	23s 3	23s 2	13s16	11s14	6n32
M 2	6 21	18 6	4 30	9 17	0s 3	22 44	2 26	24 50	2 36	6 25	1 37	15 21	1 47	20 26	0 5	16 9	1 49	18 4	15 46	23 5	23 3	13 18	11 15	6 31
T 3	6 44	21 16	3 57	9 58	0 10	23 1	2 29	24 43	2 35	6 22	1 37	15 21	1 47	20 27	0 5	16 8	1 49	18 4	15 47	23 6	23 3	13 21	11 15	6 31
W 4	7 7	23 32	3 14	10 39	0 17	23 17	2 32	24 36	2 33	6 19	1 37	15 22	1 47	20 27	0 5	16 8	1 49	18 3	15 47	23 6	23 3	13 23	11 16	6 31
T 5	7 29	24 45	2 22	11 20	0 23	23 34	2 34	24 28	2 31	6 16	1 37	15 22	1 47	20 28	0 5	16 8	1 49	18 3	15 47	23 7	23 3	13 25	11 17	6 30
F 6	7 52	24 48	1 22	11 59	0 30	23 49	2 37	24 20	2 29	6 13	1 37	15 23	1 47	20 29	0 5	16 7	1 49	18 2	15 47	23 7	23 4	13 28	11 17	6 30
S 7	8 15	23 38	0 18	12 38	0 37	24 4	2 40	24 12	2 28	6 10	1 36	15 23	1 47	20 29	0 5	16 7	1 49	18 1	15 48	23 7	23 4	13 30	11 18	6 29
S 8	8 37	21 13	0n50	13 17	0 44	24 18	2 43	24 4	2 26	6 7	1 36	15 23	1 47	20 30	0 5	16 6	1 49	18 1	15 48	23 7	23 4	13 32	11 18	6 29
M 9	9 0	17 40	1 56	13 55	0 50	24 32	2 45	23 56	2 24	6 4	1 36	15 24	1 46	20 30	0 5	16 6	1 49	18 0	15 48	23 7	23 4	13 35	11 19	6 28
T 10	9 22	13 4	2 59	14 32	0 57	24 45	2 48	23 47	2 23	6 1	1 36	15 24	1 46	20 31	0 5	16 6	1 49	18 0	15 49	23 7	23 5	13 37	11 19	6 28
W11	9 44	7 39	3 52	15 8	1 3	24 57	2 50	23 38	2 21	5 58	1 36	15 24	1 46	20 32	0 5	16 5	1 50	17 59	15 49	23 7	23 5	13 40	11 20	6 27
T 12	10 6	1 39	4 33	15 43	1 9	25 9	2 53	23 29	2 19	5 55	1 36	15 24	1 46	20 32	0 5	16 5	1 50	17 59	15 49	23 8	23 5	13 42	11 20	6 27
F 13	10 28	4n36	4 57	16 18	1 16	25 20	2 55	23 20	2 18	5 52	1 36	15 25	1 46	20 33	0 5	16 4	1 50	17 58	15 50	23 9	23 5	13 44	11 21	6 27
S 14	10 49	10 42	5 0	16 52	1 22	25 31	2 57	23 11	2 16	5 50	1 36	15 25	1 46	20 34	0 5	16 4	1 50	17 58	15 50	23 9	23 6	13 47	11 21	6 26
S 15	11 11	16 11	4 42	17 25	1 28	25 41	2 59	23 1	2 14	5 47	1 36	15 25	1 46	20 34	0 5	16 3	1 50	17 57	15 50	23 10	23 6	13 49	11 21	6 26
M16	11 32	20 36	4 4	17 57	1 34	25 50	3 1	22 52	2 13	5 44	1 36	15 25	1 46	20 35	0 5	16 3	1 50	17 57	15 51	23 11	23 6	13 51	11 22	6 25
T 17	11 53	23 32	3 9	18 29	1 39	25 59	3 3	22 42	2 11	5 41	1 35	15 25	1 46	20 36	0 5	16 3	1 50	17 57	15 51	23 12	23 6	13 54	11 22	6 25
W18	12 14	24 48	2 3	18 59	1 45	26 6	3 5	22 32	2 9	5 38	1 35	15 25	1 46	20 36	0 5	16 2	1 50	17 56	15 51	23 12	23 7	13 56	11 22	6 24
T 19	12 35	24 23	0 51	19 29	1 50	26 14	3 7	22 22	2 8	5 35	1 35	15 25	1 45	20 37	0 5	16 2	1 50	17 56	15 52	23 12	23 7	13 58	11 23	6 24
F 20	12 56	22 29	0s22	19 57	1 55	26 20	3 8	22 11	2 6	5 33	1 35	15 25	1 45	20 38	0 5	16 1	1 50	17 55	15 52	23 12	23 7	14 1	11 23	6 23
S 21	13 16	19 25	1 31	20 24	2 0	26 26	3 10	22 1	2 4	5 30	1 35	15 25	1 45	20 38	0 5	16 1	1 50	17 55	15 52	23 12	23 7	14 3	11 23	6 23
S 22	13 36	15 28	2 33	20 51	2 5	26 31	3 11	21 50	2 3	5 27	1 35	15 25	1 45	20 39	0 5	16 0	1 50	17 55	15 53	23 12	23 8	14 5	11 24	6 23
M23	13 56	10 58	3 27	21 16	2 9	26 36	3 12	21 39	2 1	5 25	1 34	15 24	1 45	20 40	0 5	16 0	1 50	17 54	15 53	23 12	23 8	14 8	11 24	6 22
T 24	14 16	6 7	4 9	21 40	2 13	26 40	3 14	21 28	1 59	5 22	1 34	15 24	1 45	20 40	0 5	15 59	1 50	17 54	15 54	23 12	23 8	14 10	11 24	6 22
W25	14 35	1 7	4 40	22 3	2 17	26 43	3 15	21 16	1 58	5 20	1 34	15 24	1 45	20 41	0 5	15 59	1 50	17 54	15 54	23 13	23 8	14 12	11 25	6 21
T 26	14 55	3s52	4 59	22 25	2 21	26 46	3 15	21 5	1 56	5 17	1 34	15 24	1 45	20 42	0 5	15 58	1 50	17 54	15 54	23 13	23 9	14 15	11 25	6 21
F 27	15 14	8 41	5 4	22 46	2 24	26 48	3 16	20 53	1 55	5 15	1 34	15 23	1 44	20 42	0 5	15 58	1 50	17 53	15 55	23 14	23 9	14 17	11 25	6 20
S 28	15 32	13 10	4 56	23 5	2 27	26 49	3 17	20 41	1 53	5 12	1 34	15 23	1 44	20 43	0 5	15 58	1 50	17 53	15 55	23 15	23 9	14 19	11 25	6 20
S 29	15 51	17 10	4 35	23 23	2 29	26 49	3 17	20 29	1 51	5 10	1 33	15 23	1 44	20 44	0 5	15 57	1 50	17 53	15 56	23 16	23 9	14 21	11 25	6 19
M30	16 9	20 30	4 3	23 40	2 31	26 49	3 17	20 17	1 50	5 8	1 33	15 22	1 44	20 44	0 5	15 57	1 50	17 53	15 56	23 16	23 10	14 24	11 25	6 19
T 31	16s27	22s58	3s19	23s55	2s32	26s49	3s17	20s 4	1s48	5n 6	1s33	15s22	1s44	20s45	0n 5	15n56	1s50	17n52	15n57	23s17	23s10	14s26	11s26	6n19

Julian Day Number = 2169858.5, Delta T = 12m25s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'08, Lahiri = 13°06'08 Julian Calendar 1 Oct. 1228 == Greg. Calendar 8 Oct. 1228

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ASTRODIENST EPHEMERIS for the year 1228
geocentric

NOVEMBER 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 9 58	16♏ 9'40	9♐48	7♐21	3♑21	8♒44	16°R25	23♒34	2♐59	19°R32	21♍47	8°R10	9♑53	25♎24	11♒11	W 1
T 2	3 13 54	17°10'20	21°58	8°34	4°23	9°26	16♈19	23°36	3° 2	19♉31	21°48	8♑ 6	9°50	25°30	11°12	T 2
F 3	3 17 51	18°11'02	4♑17	9°45	5°24	10° 8	16°14	23°37	3° 6	19°29	21°50	8°D 5	9°47	25°37	11°13	F 3
S 4	3 21 48	19°11'44	16°48	10°53	6°25	10°50	16° 8	23°38	3°10	19°27	21°51	8° 5	9°44	25°44	11°15	S 4
S 5	3 25 44	20°12'28	29°34	11°58	7°26	11°32	16° 2	23°40	3°13	19°26	21°53	8° 6	9°41	25°51	11°16	S 5
M 6	3 29 41	21°13'13	12♒39	13° 0	8°26	12°14	15°57	23°42	3°17	19°24	21°54	8° 7	9°38	25°57	11°17	M 6
T 7	3 33 37	22°13'58	26° 6	13°58	9°26	12°56	15°52	23°43	3°20	19°22	21°55	8°R 8	9°34	26° 4	11°19	T 7
W 8	3 37 34	23°14'45	9♓56	14°51	10°26	13°38	15°47	23°45	3°24	19°20	21°57	8° 6	9°31	26°11	11°21	W 8
T 9	3 41 30	24°15'33	24°12	15°40	11°25	14°21	15°42	23°47	3°28	19°19	21°58	8° 3	9°28	26°18	11°22	T 9
F 10	3 45 27	25°16'21	8♈50	16°24	12°23	15° 3	15°38	23°49	3°31	19°17	21°59	7°58	9°25	26°24	11°24	F 10
S 11	3 49 23	26°17'11	23°47	17° 1	13°21	15°45	15°33	23°52	3°35	19°15	22° 1	7°52	9°22	26°31	11°26	S 11
S 12	3 53 20	27°18'02	8♉54	17°31	14°19	16°28	15°29	23°54	3°39	19°14	22° 2	7°45	9°18	26°38	11°27	S 12
M13	3 57 17	28°18'54	24° 2	17°54	15°16	17°10	15°25	23°56	3°42	19°12	22° 3	7°39	9°15	26°44	11°29	M13
T 14	4 1 13	29°19'47	9♊ 0	18° 8	16°13	17°53	15°21	23°59	3°46	19°10	22° 4	7°35	9°12	26°51	11°31	T 14
W15	4 5 10	0♐20'41	23°41	18°R12	17° 8	18°35	15°17	24° 1	3°50	19° 9	22° 5	7°32	9° 9	26°58	11°33	W15
T 16	4 9 6	1°21'36	7♋57	18° 6	18° 4	19°18	15°14	24° 4	3°53	19° 7	22° 6	7°D32	9° 6	27° 5	11°35	T 16
F 17	4 13 3	2°22'33	21°46	17°50	18°59	20° 0	15°11	24° 7	3°57	19° 5	22° 7	7°32	9° 3	27°11	11°38	F 17
S 18	4 16 59	3°23'30	5♌ 7	17°22	19°53	20°43	15° 8	24°10	4° 1	19° 4	22° 8	7°34	8°59	27°18	11°40	S 18
S 19	4 20 56	4°24'29	18° 3	16°43	20°46	21°25	15° 5	24°13	4° 4	19° 2	22° 9	7°35	8°56	27°25	11°42	S 19
M20	4 24 52	5°25'29	0♍37	15°52	21°39	22° 8	15° 2	24°16	4° 8	19° 1	22°10	7°R36	8°53	27°31	11°44	M20
T 21	4 28 49	6°26'31	12°53	14°52	22°31	22°51	14°59	24°19	4°12	18°59	22°11	7°36	8°50	27°38	11°47	T 21
W22	4 32 46	7°27'33	24°57	13°43	23°23	23°34	14°57	24°22	4°15	18°57	22°12	7°35	8°47	27°45	11°49	W22
T 23	4 36 42	8°28'36	6♎52	12°26	24°14	24°16	14°55	24°26	4°19	18°56	22°13	7°32	8°44	27°52	11°51	T 23
F 24	4 40 39	9°29'41	18°43	11° 5	25° 4	24°59	14°53	24°29	4°23	18°54	22°14	7°28	8°40	27°58	11°54	F 24
S 25	4 44 35	10°30'46	0♏34	9°42	25°53	25°42	14°51	24°33	4°26	18°53	22°15	7°23	8°37	28° 5	11°56	S 25
S 26	4 48 32	11°31'52	12°28	8°20	26°41	26°25	14°50	24°36	4°30	18°51	22°15	7°18	8°34	28°12	11°59	S 26
M27	4 52 28	12°33'00	24°28	7° 2	27°28	27° 7	14°49	24°40	4°34	18°50	22°16	7°14	8°31	28°18	12° 2	M27
T 28	4 56 25	13°34'08	6♐34	5°49	28°15	27°50	14°48	24°44	4°37	18°48	22°17	7°10	8°28	28°25	12° 4	T 28
W29	5 0 21	14°35'16	18°49	4°45	29° 0	28°33	14°47	24°48	4°41	18°46	22°18	7° 8	8°24	28°32	12° 7	W29
T 30	5 4 18	15♐36'25	1♑14	3♐50	29♑45	29♒16	14♈46	24♒52	4♐45	18♉45	22♍18	7°D 6	8♑21	28♎39	12♒10	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s45	24s25	2s26	24s 9	2s33	26s47	3s17	19s52	1s47	5n 4	1s33	15s21	1s44	20s46	0n 5	15n56	1s50	17n52	15n57	23s17	23s10	14s28	11s26	6n18
T 2	17 2	24 43	1 26	24 21	2 34	26 45	3 17	19 39	1 45	5 1	1 32	15 21	1 44	20 47	0 5	15 55	1 50	17 52	15 58	23 17	23 10	14 31	11 26	6 18
F 3	17 19	23 49	0 20	24 32	2 34	26 42	3 17	19 26	1 43	4 59	1 32	15 20	1 44	20 47	0 5	15 55	1 50	17 52	15 58	23 18	23 11	14 33	11 26	6 17
S 4	17 36	21 42	0n47	24 41	2 33	26 39	3 16	19 13	1 42	4 58	1 32	15 19	1 44	20 48	0 5	15 54	1 50	17 52	15 58	23 18	23 11	14 35	11 26	6 17
S 5	17 52	18 29	1 53	24 49	2 31	26 35	3 16	19 0	1 40	4 56	1 32	15 19	1 43	20 49	0 5	15 54	1 50	17 52	15 59	23 17	23 11	14 37	11 26	6 16
M 6	18 8	14 16	2 56	24 54	2 29	26 31	3 15	18 47	1 39	4 54	1 31	15 18	1 43	20 49	0 5	15 53	1 50	17 51	15 59	23 17	23 11	14 40	11 26	6 16
T 7	18 24	9 16	3 50	24 58	2 25	26 26	3 14	18 33	1 37	4 52	1 31	15 17	1 43	20 50	0 5	15 53	1 50	17 51	16 0	23 17	23 12	14 42	11 26	6 16
W 8	18 40	3 40	4 33	25 1	2 21	26 20	3 13	18 20	1 36	4 50	1 31	15 17	1 43	20 51	0 5	15 53	1 50	17 51	16 0	23 17	23 12	14 44	11 26	6 15
T 9	18 55	2n17	5 0	25 1	2 16	26 13	3 11	18 6	1 34	4 49	1 31	15 16	1 43	20 51	0 5	15 52	1 50	17 51	16 1	23 18	23 12	14 46	11 26	6 15
F 10	19 10	8 15	5 9	24 59	2 10	26 7	3 10	17 52	1 33	4 47	1 30	15 15	1 43	20 52	0 5	15 52	1 50	17 51	16 1	23 18	23 12	14 49	11 26	6 14
S 11	19 24	13 52	4 57	24 56	2 2	25 59	3 8	17 38	1 31	4 46	1 30	15 14	1 43	20 53	0 5	15 51	1 50	17 51	16 2	23 18	23 12	14 51	11 26	6 14
S 12	19 38	18 42	4 25	24 50	1 53	25 51	3 6	17 24	1 30	4 44	1 30	15 13	1 43	20 54	0 5	15 51	1 50	17 51	16 2	23 19	23 13	14 53	11 26	6 14
M13	19 52	22 19	3 34	24 42	1 43	25 43	3 4	17 9	1 28	4 43	1 29	15 12	1 42	20 54	0 5	15 50	1 50	17 51	16 3	23 19	23 13	14 55	11 26	6 13
T 14	20 5	24 21	2 29	24 32	1 32	25 33	3 2	16 55	1 27	4 42	1 29	15 12	1 42	20 55	0 5	15 50	1 50	17 51	16 3	23 19	23 13	14 57	11 25	6 13
W15	20 18	24 38	1 15	24 20	1 19	25 24	2 59	16 40	1 25	4 41	1 29	15 11	1 42	20 56	0 5	15 49	1 50	17 51	16 4	23 19	23 13	15 0	11 25	6 12
T 16	20 31	23 16	0s 2	24 5	1 5	25 14	2 56	16 25	1 24	4 40	1 29	15 10	1 42	20 56	0 5	15 49	1 50	17 51	16 4	23 19	23 14	15 2	11 25	6 12
F 17	20 43	20 30	1 17	23 48	0 49	25 3	2 53	16 10	1 22	4 39	1 28	15 8	1 42	20 57	0 5	15 49	1 50	17 51	16 5	23 19	23 14	15 4	11 25	6 12
S 18	20 55	16 43	2 25	23 28	0 32	24 52	2 50	15 55	1 21	4 38	1 28	15 7	1 42	20 58	0 5	15 48	1 50	17 51	16 6	23 19	23 14	15 6	11 25	6 11
S 19	21 7	12 16	3 23	23 6	0 14	24 40	2 47	15 40	1 19	4 37	1 28	15 6	1 42	20 58	0 5	15 48	1 50	17 51	16 6	23 19	23 14	15 9	11 24	6 11
M20	21 18	7 24	4 10	22 41	0n 6	24 28	2 43	15 25	1 18	4 36	1 27	15 5	1 42	20 59	0 5	15 47	1 50	17 51	16 7	23 19	23 14	15 11	11 24	6 10
T 21	21 29	2 22	4 44	22 15	0 26	24 16	2 39	15 10	1 17	4 35	1 27	15 4	1 42	21 0	0 5	15 47	1 50	17 52	16 7	23 19	23 15	15 13	11 24	6 10
W22	21 39	2s39	5 5	21 47	0 46	24 3	2 35	14 54	1 15	4 35	1 27	15 3	1 41	21 1	0 5	15 47	1 49	17 52	16 8	23 19	23 15	15 15	11 24	6 10
T 23	21 49	7 31	5 13	21 17	1 6	23 50	2 31	14 39	1 14	4 34	1 26	15 2	1 41	21 1	0 5	15 46	1 49	17 52	16 8	23 19	23 15	15 17	11 23	6 9
F 24	21 58	12 5	5 7	20 47	1 26	23 36	2 26	14 23	1 12	4 34	1 26	15 0	1 41	21 2	0 5	15 46	1 49	17 52	16 9	23 20	23 15	15 19	11 23	6 9
S 25	22 7	16 12	4 48	20 17	1 44	23 22	2 21	14 7	1 11	4 34	1 26	14 59	1 41	21 3	0 5	15 45	1 49	17 52	16 9	23 20	23 15	15 22	11 23	6 8
S 26	22 16	19 42	4 16	19 48	2 1	23 8	2 16	13 51	1 9	4 33	1 26	14 58	1 41	21 3	0 5	15 45	1 49	17 52	16 10	23 20	23 16	15 24	11 22	6 8
M27	22 24	22 24	3 33	19 20	2 16	22 54	2 11	13 35	1 8	4 33	1 25	14 56	1 41	21 4	0 5	15 45	1 49	17 53	16 10	23 20	23 16	15 26	11 22	6 8
T 28	22 31	24 8	2 40	18 56	2 29	22 39	2 5	13 19	1 7	4 33	1 25	14 55	1 41	21 5	0 5	15 44	1 49	17 53	16 11	23 21	23 16	15 28	11 22	6 7
W29	22 39	24 43	1 39	18 34	2 39	22 23	1 59	13 3	1 5	4 33	1 25	14 54	1 41	21 5	0 5	15 44	1 49	17 53	16 12	23 21	23 16	15 30	11 21	6 7
T 30	22s46	24s 4	0s32	18s16	2n47	22s 8	1s53	12s46	1s 4	4n33	1s24	14s52	1s41	21s 6	0n 5	15n43	1s49	17n53	16n12	23s21	23s16	15s32	11s21	6n 7

Julian Day Number = 2169889.5, Delta T = 12m24s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'12, Lahiri = 13°06'13 Julian Calendar 1 Nov. 1228 == Greg. Calendar 8 Nov. 1228

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DECEMBER 1228 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 8 15	16♐37'35	13♉50	3°R 6	0♒28	29♒59	14°R46	24♒56	4♐48	18°R44	22♍19	7♉ 6	8♉18	28♎45	12♒13	F 1
S 2	5 12 11	17°38'45	26°38	2♐32	1°11	0♓42	14°D46	25° 0	4°52	18♑42	22°19	7° 7	8°15	28°52	12°16	S 2
S 3	5 16 8	18°39'55	9♒39	2° 9	1°52	1°25	14♈46	25° 4	4°55	18°41	22°20	7° 9	8°12	28°59	12°19	S 3
M 4	5 20 4	19°41'05	22°54	1°57	2°32	2° 8	14°46	25° 9	4°59	18°39	22°20	7°10	8° 9	29° 5	12°22	M 4
T 5	5 24 1	20°42'16	6♓25	1°D55	3°11	2°51	14°46	25°13	5° 3	18°38	22°21	7°11	8° 5	29°12	12°25	T 5
W 6	5 27 57	21°43'26	20°12	2° 3	3°49	3°34	14°47	25°17	5° 6	18°37	22°21	7°R12	8° 2	29°19	12°28	W 6
T 7	5 31 54	22°44'37	4♈16	2°19	4°25	4°17	14°48	25°22	5°10	18°35	22°22	7°11	7°59	29°26	12°31	T 7
F 8	5 35 51	23°45'47	18°35	2°43	5° 0	5° 0	14°49	25°27	5°13	18°34	22°22	7°11	7°56	29°32	12°34	F 8
S 9	5 39 47	24°46'57	3♉ 7	3°14	5°33	5°43	14°50	25°31	5°17	18°33	22°22	7° 9	7°53	29°39	12°37	S 9
S 10	5 43 44	25°48'07	17°47	3°51	6° 5	6°26	14°51	25°36	5°20	18°31	22°23	7° 8	7°50	29°46	12°41	S 10
M11	5 47 40	26°49'18	2♊29	4°34	6°35	7° 9	14°53	25°41	5°24	18°30	22°23	7° 6	7°46	29°52	12°44	M11
T 12	5 51 37	27°50'28	17° 6	5°22	7° 4	7°52	14°55	25°46	5°27	18°29	22°23	7° 5	7°43	29°59	12°47	T 12
W13	5 55 33	28°51'38	1♋32	6°15	7°31	8°35	14°57	25°51	5°31	18°28	22°23	7°D 5	7°40	0♏ 6	12°51	W13
T 14	5 59 30	29°52'49	15°41	7°12	7°56	9°18	14°59	25°56	5°34	18°26	22°23	7° 5	7°37	0°13	12°54	T 14
F 15	6 3 26	0♉53'59	29°28	8°12	8°19	10° 1	15° 2	26° 1	5°37	18°25	22°24	7° 5	7°34	0°19	12°57	F 15
S 16	6 7 23	1°55'10	12♌53	9°16	8°40	10°44	15° 4	26° 7	5°41	18°24	22°24	7° 6	7°30	0°26	13° 1	S 16
S 17	6 11 20	2°56'20	25°54	10°22	9° 0	11°27	15° 7	26°12	5°44	18°23	22°24	7° 6	7°27	0°33	13° 4	S 17
M18	6 15 16	3°57'31	8♍33	11°31	9°17	12°10	15°10	26°17	5°48	18°22	22°R24	7° 7	7°24	0°39	13° 8	M18
T 19	6 19 13	4°58'41	20°55	12°42	9°33	12°53	15°14	26°23	5°51	18°21	22°24	7° 7	7°21	0°46	13°12	T 19
W20	6 23 9	5°59'52	3♎ 2	13°55	9°46	13°36	15°17	26°28	5°54	18°20	22°24	7°R 7	7°18	0°53	13°15	W20
T 21	6 27 6	7° 1'03	14°59	15°10	9°57	14°19	15°21	26°34	5°58	18°19	22°23	7°D 7	7°15	1° 0	13°19	T 21
F 22	6 31 2	8° 2'13	26°51	16°26	10° 6	15° 1	15°25	26°39	6° 1	18°18	22°23	7° 7	7°11	1° 6	13°23	F 22
S 23	6 34 59	9° 3'24	8♏42	17°44	10°12	15°44	15°29	26°45	6° 4	18°17	22°23	7° 7	7° 8	1°13	13°26	S 23
S 24	6 38 55	10° 4'35	20°38	19° 3	10°17	16°27	15°33	26°51	6° 7	18°16	22°23	7° 8	7° 5	1°20	13°30	S 24
M25	6 42 52	11° 5'45	2♐41	20°24	10°R18	17°10	15°37	26°57	6°10	18°15	22°23	7° 8	7° 2	1°26	13°34	M25
T 26	6 46 49	12° 6'55	14°55	21°45	10°18	17°53	15°42	27° 3	6°14	18°14	22°22	7° 9	6°59	1°33	13°38	T 26
W27	6 50 45	13° 8'05	27°22	23° 8	10°14	18°36	15°47	27° 9	6°17	18°13	22°22	7° 9	6°56	1°40	13°42	W27
T 28	6 54 42	14° 9'15	10♑ 4	24°31	10° 9	19°19	15°52	27°15	6°20	18°12	22°22	7°R 9	6°52	1°47	13°45	T 28
F 29	6 58 38	15°10'24	23° 1	25°56	10° 1	20° 2	15°57	27°21	6°23	18°12	22°21	7° 9	6°49	1°53	13°49	F 29
S 30	7 2 35	16°11'32	6♒13	27°21	9°50	20°45	16° 2	27°27	6°26	18°11	22°21	7° 8	6°46	2° 0	13°53	S 30
S 31	7 6 31	17♑12'40	19♒39	28♐47	9♒37	21♓28	16♈ 8	27♒33	6♐29	18♑10	22♍21	7♉ 7	6♉43	2♏ 7	13♒57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s52	22s12	0n37	18s 2	2n53	21s52	1s47	12s30	1s 3	4n33	1s24	14s51	1s41	21s 7	0n 5	15n43	1s49	17n54	16n13	23s21	23s17	15s35	11s20	6n 6	F 1
S 2	22 58	19 11	1 46	17 52	2 56	21 36	1 40	12 14	1 1	4 33	1 24	14 49	1 40	21 7	0 5	15 43	1 49	17 54	16 13	23 21	23 17	15 37	11 20	6 6	S 2
S 3	23 3	15 11	2 50	17 46	2 58	21 20	1 33	11 57	1 0	4 34	1 23	14 48	1 40	21 8	0 5	15 42	1 49	17 54	16 14	23 21	23 17	15 39	11 19	6 6	S 3
M 4	23 8	10 22	3 47	17 44	2 58	21 4	1 25	11 40	0 59	4 34	1 23	14 46	1 40	21 9	0 4	15 42	1 49	17 55	16 14	23 21	23 17	15 41	11 19	6 5	M 4
T 5	23 13	4 59	4 32	17 45	2 56	20 47	1 18	11 24	0 57	4 34	1 23	14 44	1 40	21 9	0 4	15 42	1 49	17 55	16 15	23 21	23 17	15 43	11 18	6 5	T 5
W 6	23 17	0n44	5 3	17 50	2 53	20 31	1 10	11 7	0 56	4 35	1 22	14 43	1 40	21 10	0 4	15 41	1 49	17 55	16 16	23 21	23 18	15 45	11 18	6 5	W 6
T 7	23 20	6 32	5 16	17 57	2 49	20 14	1 2	10 50	0 55	4 36	1 22	14 41	1 40	21 11	0 4	15 41	1 49	17 56	16 16	23 21	23 18	15 47	11 17	6 4	T 7
F 8	23 24	12 5	5 10	18 6	2 44	19 57	0 53	10 33	0 53	4 36	1 22	14 40	1 40	21 11	0 4	15 41	1 49	17 56	16 17	23 21	23 18	15 49	11 17	6 4	F 8
S 9	23 26	17 3	4 45	18 18	2 38	19 40	0 44	10 16	0 52	4 37	1 21	14 38	1 40	21 12	0 4	15 40	1 49	17 56	16 17	23 21	23 18	15 52	11 16	6 4	S 9
S 10	23 28	21 3	4 0	18 31	2 32	19 23	0 35	9 59	0 51	4 38	1 21	14 36	1 40	21 13	0 4	15 40	1 49	17 57	16 18	23 21	23 18	15 54	11 16	6 3	S 10
M11	23 30	23 41	3 0	18 46	2 25	19 7	0 25	9 41	0 50	4 39	1 21	14 34	1 40	21 13	0 4	15 40	1 49	17 57	16 18	23 21	23 19	15 56	11 15	6 3	M11
T 12	23 31	24 43	1 49	19 2	2 17	18 50	0 15	9 24	0 48	4 40	1 20	14 33	1 40	21 14	0 4	15 39	1 49	17 58	16 19	23 21	23 19	15 58	11 14	6 3	T 12
W13	23 32	24 3	0 31	19 19	2 10	18 33	0 5	9 7	0 47	4 41	1 20	14 31	1 39	21 14	0 4	15 39	1 49	17 58	16 20	23 21	23 19	16 0	11 14	6 2	W13
T 14	23 32	21 50	0s48	19 36	2 2	18 16	0n 6	8 49	0 46	4 42	1 20	14 29	1 39	21 15	0 4	15 39	1 49	17 59	16 20	23 21	23 19	16 2	11 13	6 2	T 14
F 15	23 32	18 22	2 1	19 54	1 53	17 59	0 17	8 32	0 45	4 43	1 19	14 27	1 39	21 16	0 4	15 39	1 49	17 59	16 21	23 21	23 19	16 4	11 12	6 2	F 15
S 16	23 32	14 3	3 6	20 12	1 45	17 43	0 28	8 15	0 43	4 45	1 19	14 25	1 39	21 16	0 4	15 38	1 49	17 59	16 21	23 21	23 20	16 6	11 12	6 2	S 16
S 17	23 30	9 11	3 59	20 30	1 36	17 27	0 40	7 57	0 42	4 46	1 19	14 23	1 39	21 17	0 4	15 38	1 49	18 0	16 22	23 21	23 20	16 8	11 11	6 1	S 17
M18	23 29	4 5	4 39	20 49	1 28	17 10	0 52	7 39	0 41	4 48	1 18	14 22	1 39	21 17	0 4	15 38	1 49	18 1	16 22	23 21	23 20	16 10	11 10	6 1	M18
T 19	23 27	1s 3	5 5	21 6	1 19	16 54	1 4	7 22	0 40	4 49	1 18	14 20	1 39	21 18	0 4	15 38	1 48	18 1	16 23	23 21	23 20	16 12	11 9	6 1	T 19
W20	23 24	6 3	5 17	21 24	1 10	16 39	1 17	7 4	0 39	4 51	1 18	14 18	1 39	21 19	0 4	15 37	1 48	18 2	16 24	23 21	23 20	16 15	11 9	6 1	W20
T 21	23 21	10 45	5 14	21 41	1 2	16 23	1 30	6 47	0 37	4 53	1 18	14 16	1 39	21 19	0 4	15 37	1 48	18 2	16 24	23 21	23 20	16 17	11 8	6 0	T 21
F 22	23 18	15 2	4 59	21 58	0 53	16 8	1 43	6 29	0 36	4 54	1 17	14 14	1 39	21 20	0 4	15 37	1 48	18 3	16 25	23 21	23 21	16 19	11 7	6 0	F 22
S 23	23 14	18 43	4 31	22 14	0 45	15 53	1 57	6 11	0 35	4 56	1 17	14 12	1 39	21 20	0 4	15 37	1 48	18 3	16 25	23 21	23 21	16 21	11 6	6 0	S 23
S 24	23 9	21 41	3 50	22 29	0 36	15 39	2 11	5 53	0 34	4 58	1 17	14 10	1 39	21 21	0 4	15 36	1 48	18 4	16 26	23 21	23 21	16 23	11 5	6 0	S 24
M25	23 4	23 43	3 0	22 43	0 28	15 25	2 25	5 35	0 33	5 0	1 16	14 8	1 39	21 21	0 4	15 36	1 48	18 4	16 26	23 21	23 21	16 25	11 5	5 59	M25
T 26	22 59	24 40	2 0	22 57	0 20	15 11	2 39	5 18	0 32	5 2	1 16	14 5	1 39	21 22	0 4	15 36	1 48	18 5	16 27	23 21	23 21	16 27	11 4	5 59	T 26
W27	22 53	24 25	0 54	23 10	0 12	14 58	2 54	5 0	0 30	5 4	1 16	14 3	1 39	21 23	0 4	15 36	1 48	18 6	16 27	23 21	23 21	16 29	11 3	5 59	W27
T 28	22 47	22 53	0n16	23 22	0 4	14 45	3 9	4 42	0 29	5 6	1 15	14 1	1 38	21 23	0 4	15 36	1 48	18 6	16 28	23 21	23 22	16 31	11 2	5 59	T 28
F 29	22 40	20 8	1 27	23 32	0s 4	14 33	3 24	4 24	0 28	5 9	1 15	13 59	1 38	21 24	0 4	15 36	1 48	18 7	16 29	23 21	23 22	16 33	11 1	5 59	F 29
S 30	22 33	16 19	2 34	23 42	0 11	14 21	3 39	4 6	0 27	5 11	1 15	13 57	1 38	21 24	0 4	15 35	1 48	18 8	16 29	23 21	23 22	16 35	11 0	5 58	S 30
S 31	22s26	11s36	3n34	23s51	0s19	14s10	3n54	3s48	0s26	5n13	1s14	13s55	1s38	21s25	0n 4	15n35	1s48	18n 8	16n30	23s21	23s22	16s37	10s59	5n58	S 31

Julian Day Number = 2169919.5, Delta T = 12m24s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'16, Lahiri = 13°06'17 Julian Calendar 1 Dec. 1228 == Greg. Calendar 8 Dec. 1228

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

JANUARY 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 10 28	18♑13'46	3♓17	0♑14	9°R21	22♓10	16♈13	27♒39	6♐32	18°R10	22°R20	7°R 5	6♑40	2♏13	14♒ 1	M 1
T 2	7 14 24	19°14'52	17° 6	1°42	9♒ 3	22°53	16°19	27°45	6°35	18♉ 9	22♍20	7♑ 4	6°36	2°20	14° 5	T 2
W 3	7 18 21	20°15'57	1♈ 4	3°10	8°42	23°36	16°25	27°52	6°38	18° 8	22°19	7° 3	6°33	2°27	14° 9	W 3
T 4	7 22 18	21°17'00	15° 9	4°39	8°19	24°19	16°32	27°58	6°41	18° 8	22°19	7°D 2	6°30	2°34	14°13	T 4
F 5	7 26 14	22°18'03	29°19	6° 9	7°54	25° 2	16°38	28° 5	6°44	18° 7	22°18	7° 2	6°27	2°40	14°17	F 5
S 6	7 30 11	23°19'04	13♉32	7°39	7°27	25°45	16°44	28°11	6°46	18° 7	22°17	7° 3	6°24	2°47	14°21	S 6
S 7	7 34 7	24°20'05	27°46	9°10	6°58	26°27	16°51	28°18	6°49	18° 6	22°17	7° 4	6°21	2°54	14°26	S 7
M 8	7 38 4	25°21'04	11♊58	10°42	6°27	27°10	16°58	28°24	6°52	18° 6	22°16	7° 5	6°17	3° 0	14°30	M 8
T 9	7 42 0	26°22'02	26° 5	12°14	5°55	27°53	17° 5	28°31	6°55	18° 5	22°15	7° 6	6°14	3° 7	14°34	T 9
W10	7 45 57	27°22'59	10♋ 4	13°47	5°21	28°35	17°12	28°37	6°57	18° 5	22°15	7°R 6	6°11	3°14	14°38	W10
T 11	7 49 54	28°23'54	23°51	15°21	4°46	29°18	17°20	28°44	7° 0	18° 5	22°14	7° 6	6° 8	3°20	14°42	T 11
F 12	7 53 50	29°24'49	7♌24	16°56	4°10	0♈ 1	17°27	28°51	7° 3	18° 4	22°13	7° 4	6° 5	3°27	14°46	F 12
S 13	7 57 47	0♒25'43	20°39	18°31	3°33	0°43	17°35	28°58	7° 5	18° 4	22°12	7° 1	6° 2	3°34	14°51	S 13
S 14	8 1 43	1°26'35	3♍37	20° 6	2°56	1°26	17°43	29° 4	7° 8	18° 4	22°11	6°57	5°58	3°41	14°55	S 14
M15	8 5 40	2°27'27	16°16	21°43	2°18	2° 8	17°51	29°11	7°10	18° 4	22°10	6°52	5°55	3°47	14°59	M15
T 16	8 9 36	3°28'17	28°39	23°20	1°41	2°51	17°59	29°18	7°13	18° 3	22° 9	6°48	5°52	3°54	15° 3	T 16
W17	8 13 33	4°29'07	10♎48	24°58	1° 4	3°33	18° 7	29°25	7°15	18° 3	22° 9	6°45	5°49	4° 1	15° 7	W17
T 18	8 17 29	5°29'55	22°47	26°37	0°28	4°16	18°15	29°32	7°17	18° 3	22° 8	6°43	5°46	4° 7	15°12	T 18
F 19	8 21 26	6°30'43	4♏39	28°16	29♑53	4°58	18°24	29°39	7°20	18° 3	22° 7	6°D42	5°42	4°14	15°16	F 19
S 20	8 25 23	7°31'30	16°31	29°56	29°18	5°41	18°32	29°46	7°22	18° 3	22° 6	6°42	5°39	4°21	15°20	S 20
S 21	8 29 19	8°32'15	28°26	1♒37	28°45	6°23	18°41	29°53	7°24	18°D 3	22° 4	6°44	5°36	4°28	15°25	S 21
M22	8 33 16	9°33'00	10♐30	3°19	28°14	7° 6	18°50	0♓ 0	7°26	18° 3	22° 3	6°46	5°33	4°34	15°29	M22
T 23	8 37 12	10°33'43	22°47	5° 2	27°44	7°48	18°59	0° 7	7°28	18° 3	22° 2	6°47	5°30	4°41	15°33	T 23
W24	8 41 9	11°34'25	5♑21	6°45	27°16	8°30	19° 8	0°14	7°31	18° 3	22° 1	6°R48	5°27	4°48	15°37	W24
T 25	8 45 5	12°35'06	18°15	8°30	26°50	9°13	19°18	0°21	7°33	18° 3	22° 0	6°47	5°23	4°54	15°42	T 25
F 26	8 49 2	13°35'46	1♒30	10°15	26°26	9°55	19°27	0°29	7°35	18° 3	21°59	6°45	5°20	5° 1	15°46	F 26
S 27	8 52 58	14°36'24	15° 6	12° 1	26° 4	10°37	19°37	0°36	7°37	18° 4	21°58	6°41	5°17	5° 8	15°50	S 27
S 28	8 56 55	15°37'01	28°59	13°48	25°45	11°20	19°47	0°43	7°38	18° 4	21°56	6°35	5°14	5°14	15°55	S 28
M29	9 0 52	16°37'35	13♓ 7	15°36	25°28	12° 2	19°56	0°50	7°40	18° 4	21°55	6°28	5°11	5°21	15°59	M29
T 30	9 4 48	17°38'08	27°25	17°24	25°14	12°44	20° 6	0°57	7°42	18° 4	21°54	6°22	5° 8	5°28	16° 3	T 30
W31	9 8 45	18♒38'40	11♈46	19♒14	25♑ 2	13♈26	20♈16	1♓ 5	7♐44	18♉ 5	21♍53	6♑16	5♑ 4	5♏35	16♒ 8	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s18	6s15	4n23	23s58	0s26	13s59	4n 9	3s30	0s25	5n16	1s14	13s52	1s38	21s25	0n 4	15n35	1s48	18n 9	16n30	23s21	23s22	16s39	10s58	5n58
T 2	22 9	0 33	4 57	24 5	0 33	13 49	4 24	3 12	0 24	5 18	1 14	13 50	1 38	21 26	0 4	15 35	1 48	18 10	16 31	23 21	23 22	16 41	10 57	5 58
W 3	22 0	5n14	5 15	24 10	0 40	13 40	4 39	2 54	0 23	5 21	1 14	13 48	1 38	21 26	0 4	15 35	1 48	18 10	16 31	23 21	23 23	16 43	10 56	5 58
T 4	21 51	10 48	5 13	24 14	0 47	13 32	4 54	2 36	0 22	5 24	1 13	13 46	1 38	21 27	0 4	15 35	1 48	18 11	16 32	23 21	23 23	16 45	10 56	5 57
F 5	21 41	15 50	4 53	24 17	0 53	13 24	5 9	2 18	0 21	5 26	1 13	13 43	1 38	21 27	0 4	15 35	1 48	18 12	16 32	23 21	23 23	16 47	10 55	5 57
S 6	21 31	20 0	4 14	24 18	0 59	13 16	5 23	2 0	0 20	5 29	1 13	13 41	1 38	21 28	0 4	15 35	1 47	18 12	16 33	23 21	23 23	16 49	10 54	5 57
S 7	21 20	23 0	3 21	24 18	1 5	13 10	5 37	1 42	0 19	5 32	1 12	13 39	1 38	21 28	0 4	15 35	1 47	18 13	16 33	23 21	23 23	16 51	10 53	5 57
M 8	21 9	24 32	2 14	24 17	1 11	13 4	5 51	1 24	0 18	5 35	1 12	13 37	1 38	21 29	0 4	15 34	1 47	18 14	16 34	23 21	23 23	16 53	10 52	5 57
T 9	20 58	24 29	1 0	24 15	1 17	12 59	6 4	1 6	0 17	5 38	1 12	13 34	1 38	21 29	0 4	15 34	1 47	18 15	16 34	23 21	23 24	16 55	10 50	5 57
W10	20 46	22 53	0s16	24 11	1 22	12 55	6 17	0 48	0 16	5 41	1 12	13 32	1 38	21 30	0 4	15 34	1 47	18 15	16 35	23 21	23 24	16 57	10 49	5 56
T 11	20 34	19 56	1 31	24 5	1 27	12 51	6 29	0 30	0 14	5 44	1 11	13 29	1 38	21 30	0 4	15 34	1 47	18 16	16 35	23 21	23 24	16 59	10 48	5 56
F 12	20 22	15 56	2 39	23 59	1 32	12 48	6 41	0 12	0 13	5 47	1 11	13 27	1 38	21 30	0 4	15 34	1 47	18 17	16 36	23 21	23 24	17 1	10 47	5 56
S 13	20 9	11 14	3 37	23 50	1 36	12 46	6 52	0n 6	0 13	5 50	1 11	13 25	1 38	21 31	0 4	15 34	1 47	18 18	16 36	23 21	23 24	17 3	10 46	5 56
S 14	19 55	6 9	4 22	23 41	1 40	12 44	7 2	0 24	0 12	5 54	1 11	13 22	1 38	21 31	0 4	15 34	1 47	18 18	16 37	23 21	23 24	17 4	10 45	5 56
M15	19 42	0 56	4 54	23 30	1 44	12 44	7 11	0 42	0 11	5 57	1 10	13 20	1 38	21 32	0 4	15 34	1 47	18 19	16 37	23 22	23 24	17 6	10 44	5 56
T 16	19 28	4s12	5 10	23 17	1 48	12 43	7 19	0 59	0 10	6 0	1 10	13 17	1 38	21 32	0 4	15 34	1 47	18 20	16 38	23 22	23 25	17 8	10 43	5 56
W17	19 13	9 5	5 13	23 3	1 51	12 44	7 27	1 17	0 9	6 4	1 10	13 15	1 38	21 33	0 4	15 34	1 47	18 21	16 38	23 22	23 25	17 10	10 42	5 56
T 18	18 58	13 33	5 1	22 47	1 54	12 45	7 33	1 35	0 8	6 7	1 9	13 12	1 38	21 33	0 4	15 34	1 47	18 22	16 39	23 22	23 25	17 12	10 41	5 56
F 19	18 43	17 28	4 37	22 30	1 57	12 47	7 39	1 53	0 7	6 10	1 9	13 10	1 38	21 33	0 4	15 34	1 47	18 22	16 39	23 22	23 25	17 14	10 40	5 55
S 20	18 28	20 41	4 1	22 11	1 59	12 49	7 44	2 11	0 6	6 14	1 9	13 8	1 38	21 34	0 4	15 34	1 47	18 23	16 39	23 22	23 25	17 16	10 38	5 55
S 21	18 12	23 3	3 15	21 50	2 1	12 51	7 48	2 28	0 5	6 18	1 9	13 5	1 38	21 34	0 4	15 34	1 47	18 24	16 40	23 22	23 25	17 18	10 37	5 55
M22	17 56	24 24	2 19	21 28	2 2	12 54	7 51	2 46	0 4	6 21	1 8	13 3	1 38	21 34	0 4	15 35	1 46	18 25	16 40	23 22	23 25	17 20	10 36	5 55
T 23	17 40	24 36	1 16	21 5	2 3	12 58	7 53	3 4	0 3	6 25	1 8	13 0	1 38	21 35	0 4	15 35	1 46	18 26	16 41	23 22	23 25	17 22	10 35	5 55
W24	17 23	23 34	0 8	20 40	2 4	13 2	7 55	3 21	0 2	6 29	1 8	12 57	1 38	21 35	0 4	15 35	1 46	18 27	16 41	23 22	23 26	17 24	10 34	5 55
T 25	17 6	21 16	1n 2	20 13	2 4	13 6	7 55	3 39	0 1	6 32	1 8	12 55	1 38	21 36	0 4	15 35	1 46	18 27	16 42	23 22	23 26	17 26	10 33	5 55
F 26	16 49	17 47	2 10	19 44	2 4	13 11	7 55	3 56	0 0	6 36	1 7	12 52	1 38	21 36	0 4	15 35	1 46	18 28	16 42	23 22	23 26	17 27	10 31	5 55
S 27	16 31	13 18	3 13	19 14	2 4	13 16	7 54	4 14	0n 1	6 40	1 7	12 50	1 38	21 36	0 4	15 35	1 46	18 29	16 42	23 22	23 26	17 29	10 30	5 55
S 28	16 13	8 2	4 6	18 42	2 3	13 21	7 52	4 31	0 1	6 44	1 7	12 47	1 38	21 36	0 4	15 35	1 46	18 30	16 43	23 23	23 26	17 31	10 29	5 55
M29	15 55	2 17	4 44	18 9	2 1	13 26	7 50	4 49	0 2	6 48	1 7	12 45	1 38	21 37	0 4	15 35	1 46	18 31	16 43	23 23	23 26	17 33	10 28	5 55
T 30	15 37	3n38	5 5	17 34	1 59	13 32	7 46	5 6	0 3	6 52	1 7	12 42	1 38	21 37	0 4	15 35	1 46	18 32	16 43	23 23	23 26	17 35	10 26	5 55
W31	15s18	9n23	5n 8	16s58	1s56	13s37	7n43	5n23	0n 4	6n56	1s 6	12s40	1s38	21s37	0n 4	15n36	1s46	18n32	16n44	23s23	23s27	17s37	10s25	5n55

Julian Day Number = 2169950.5, Delta T = 12m24s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'21, Lahiri = 13°06'21 Julian Calendar 1 Jan. 1229 == Greg. Calendar 8 Jan. 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

FEBRUARY 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 12 41	19♒39'09	26♈ 6	21♒ 4	24°R52	14♈ 8	20♈27	1♓12	7♐46	18♉ 5	21°R51	6°R12	5♋ 1	5♏41	16♒12	T 1
F 2	9 16 38	20°39'37	10♉22	22°55	24♋45	14°50	20°37	1°19	7°47	18° 6	21♍50	6♋ 9	4°58	5°48	16°16	F 2
S 3	9 20 34	21°40'03	24°30	24°47	24°40	15°33	20°47	1°27	7°49	18° 6	21°49	6°D 9	4°55	5°55	16°20	S 3
S 4	9 24 31	22°40'26	8♊30	26°39	24°D38	16°15	20°58	1°34	7°51	18° 6	21°47	6°10	4°52	6° 1	16°25	S 4
M 5	9 28 27	23°40'48	22°20	28°32	24°38	16°57	21° 9	1°41	7°52	18° 7	21°46	6°11	4°48	6° 8	16°29	M 5
T 6	9 32 24	24°41'08	6♋ 2	0♓26	24°41	17°39	21°19	1°49	7°54	18° 8	21°44	6°R12	4°45	6°15	16°33	T 6
W 7	9 36 21	25°41'26	19°33	2°20	24°46	18°21	21°30	1°56	7°55	18° 8	21°43	6°11	4°42	6°22	16°37	W 7
T 8	9 40 17	26°41'41	2♌54	4°14	24°53	19° 2	21°41	2° 3	7°56	18° 9	21°41	6° 8	4°39	6°28	16°42	T 8
F 9	9 44 14	27°41'55	16° 3	6° 8	25° 2	19°44	21°52	2°11	7°58	18° 9	21°40	6° 2	4°36	6°35	16°46	F 9
S 10	9 48 10	28°42'07	29° 1	8° 2	25°14	20°26	22° 3	2°18	7°59	18°10	21°39	5°54	4°33	6°42	16°50	S 10
S 11	9 52 7	29°42'17	11♍46	9°55	25°28	21° 8	22°14	2°25	8° 0	18°11	21°37	5°45	4°29	6°48	16°54	S 11
M12	9 56 3	0♓42'25	24°17	11°48	25°44	21°50	22°26	2°33	8° 1	18°12	21°36	5°34	4°26	6°55	16°59	M12
T 13	10 0 0	1°42'32	6♎35	13°40	26° 1	22°32	22°37	2°40	8° 3	18°12	21°34	5°24	4°23	7° 2	17° 3	T 13
W14	10 3 56	2°42'37	18°42	15°30	26°21	23°13	22°49	2°48	8° 4	18°13	21°33	5°15	4°20	7° 8	17° 7	W14
T 15	10 7 53	3°42'40	0♏39	17°19	26°43	23°55	23° 0	2°55	8° 5	18°14	21°31	5° 7	4°17	7°15	17°11	T 15
F 16	10 11 49	4°42'41	12°31	19° 5	27° 7	24°37	23°12	3° 2	8° 6	18°15	21°29	5° 2	4°13	7°22	17°15	F 16
S 17	10 15 46	5°42'41	24°21	20°49	27°32	25°18	23°24	3°10	8° 6	18°16	21°28	4°59	4°10	7°29	17°19	S 17
S 18	10 19 43	6°42'39	6♐15	22°29	27°59	26° 0	23°36	3°17	8° 7	18°17	21°26	4°D58	4° 7	7°35	17°23	S 18
M19	10 23 39	7°42'36	18°17	24° 6	28°27	26°41	23°48	3°24	8° 8	18°18	21°25	4°59	4° 4	7°42	17°28	M19
T 20	10 27 36	8°42'31	0♑33	25°39	28°58	27°23	24° 0	3°32	8° 9	18°19	21°23	4°R59	4° 1	7°49	17°32	T 20
W21	10 31 32	9°42'24	13° 8	27° 7	29°29	28° 4	24°12	3°39	8°10	18°20	21°22	4°59	3°58	7°55	17°36	W21
T 22	10 35 29	10°42'15	26° 6	28°29	0♒ 2	28°46	24°24	3°47	8°10	18°21	21°20	4°57	3°54	8° 2	17°40	T 22
F 23	10 39 25	11°42'05	9♒29	29°46	0°37	29°27	24°36	3°54	8°11	18°22	21°18	4°53	3°51	8° 9	17°44	F 23
S 24	10 43 22	12°41'52	23°19	0♈57	1°12	0♉ 9	24°48	4° 1	8°11	18°23	21°17	4°46	3°48	8°15	17°48	S 24
S 25	10 47 18	13°41'38	7♓33	2° 1	1°49	0°50	25° 1	4° 9	8°12	18°24	21°15	4°36	3°45	8°22	17°52	S 25
M26	10 51 15	14°41'22	22° 6	2°58	2°28	1°32	25°13	4°16	8°12	18°25	21°13	4°26	3°42	8°29	17°56	M26
T 27	10 55 12	15°41'04	6♈52	3°47	3° 7	2°13	25°26	4°23	8°13	18°27	21°12	4°15	3°39	8°36	18° 0	T 27
W28	10 59 8	16♓40'43	21♈40	4♈29	3♒48	2♉54	25♈39	4♓30	8♐13	18♉28	21♍10	4♋ 5	3♋35	8♏42	18♒ 3	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s59	14n38	4n51	16s19	1s53	13s43	7n39	5n40	0n 5	7n 0	1s 6	12s37	1s38	21s38	0n 4	15n36	1s46	18n33	16n44	23s24	23s27	17s39	10s24	5n55
F 2	14 40	19 2	4 16	15 40	1 50	13 49	7 34	5 57	0 6	7 4	1 6	12 34	1 38	21 38	0 4	15 36	1 46	18 34	16 44	23 24	23 27	17 40	10 23	5 55
S 3	14 21	22 18	3 26	14 58	1 46	13 55	7 29	6 15	0 6	7 8	1 6	12 32	1 38	21 38	0 4	15 36	1 46	18 35	16 45	23 24	23 27	17 42	10 22	5 55
S 4	14 1	24 11	2 24	14 16	1 41	14 1	7 23	6 32	0 7	7 12	1 5	12 29	1 38	21 38	0 4	15 36	1 46	18 36	16 45	23 24	23 27	17 44	10 20	5 55
M 5	13 41	24 33	1 14	13 31	1 36	14 7	7 17	6 48	0 8	7 17	1 5	12 27	1 38	21 39	0 4	15 37	1 46	18 37	16 45	23 24	23 27	17 46	10 19	5 55
T 6	13 21	23 25	0 1	12 46	1 30	14 13	7 11	7 5	0 9	7 21	1 5	12 24	1 38	21 39	0 4	15 37	1 45	18 37	16 46	23 24	23 27	17 48	10 18	5 55
W 7	13 1	20 56	1s11	11 59	1 23	14 19	7 4	7 22	0 10	7 25	1 5	12 21	1 38	21 39	0 4	15 37	1 45	18 38	16 46	23 24	23 27	17 50	10 16	5 55
T 8	12 40	17 21	2 19	11 11	1 16	14 24	6 57	7 39	0 10	7 29	1 5	12 19	1 38	21 39	0 4	15 37	1 45	18 39	16 46	23 24	23 27	17 51	10 15	5 55
F 9	12 19	12 57	3 17	10 21	1 8	14 30	6 50	7 56	0 11	7 34	1 4	12 16	1 38	21 40	0 4	15 37	1 45	18 40	16 47	23 24	23 28	17 53	10 14	5 55
S 10	11 58	8 2	4 5	9 31	1 0	14 35	6 42	8 12	0 12	7 38	1 4	12 13	1 38	21 40	0 4	15 38	1 45	18 41	16 47	23 24	23 28	17 55	10 13	5 55
S 11	11 37	2 53	4 39	8 40	0 50	14 40	6 34	8 29	0 13	7 42	1 4	12 11	1 38	21 40	0 4	15 38	1 45	18 42	16 47	23 25	23 28	17 57	10 11	5 55
M12	11 16	2s17	4 59	7 48	0 41	14 45	6 26	8 45	0 14	7 47	1 4	12 8	1 38	21 40	0 4	15 38	1 45	18 42	16 47	23 25	23 28	17 59	10 10	5 55
T 13	10 55	7 17	5 5	6 55	0 30	14 50	6 18	9 1	0 14	7 51	1 4	12 6	1 38	21 40	0 4	15 38	1 45	18 43	16 48	23 26	23 28	18 0	10 9	5 55
W14	10 33	11 55	4 57	6 2	0 19	14 54	6 10	9 18	0 15	7 56	1 3	12 3	1 38	21 41	0 4	15 39	1 45	18 44	16 48	23 26	23 28	18 2	10 8	5 55
T 15	10 11	16 3	4 35	5 9	0 8	14 59	6 2	9 34	0 16	8 0	1 3	12 0	1 38	21 41	0 4	15 39	1 45	18 45	16 48	23 26	23 28	18 4	10 6	5 55
F 16	9 49	19 30	4 3	4 17	0n 4	15 2	5 54	9 50	0 17	8 5	1 3	11 58	1 38	21 41	0 4	15 39	1 45	18 46	16 48	23 27	23 28	18 6	10 5	5 55
S 17	9 27	22 9	3 19	3 24	0 16	15 6	5 45	10 6	0 17	8 9	1 3	11 55	1 38	21 41	0 4	15 40	1 45	18 47	16 49	23 27	23 28	18 8	10 4	5 55
S 18	9 5	23 51	2 27	2 33	0 29	15 9	5 37	10 22	0 18	8 14	1 3	11 52	1 39	21 41	0 4	15 40	1 45	18 47	16 49	23 27	23 29	18 9	10 2	5 55
M19	8 43	24 29	1 28	1 42	0 42	15 12	5 28	10 37	0 19	8 18	1 2	11 50	1 39	21 41	0 4	15 40	1 45	18 48	16 49	23 27	23 29	18 11	10 1	5 56
T 20	8 20	23 56	0 24	0 53	0 56	15 14	5 19	10 53	0 19	8 23	1 2	11 47	1 39	21 42	0 4	15 41	1 45	18 49	16 49	23 27	23 29	18 13	10 0	5 56
W21	7 58	22 10	0n43	0 6	1 9	15 17	5 11	11 9	0 20	8 28	1 2	11 45	1 39	21 42	0 4	15 41	1 45	18 50	16 49	23 27	23 29	18 15	9 58	5 56
T 22	7 35	19 13	1 50	0n40	1 23	15 18	5 2	11 24	0 21	8 32	1 2	11 42	1 39	21 42	0 4	15 41	1 44	18 51	16 49	23 27	23 29	18 16	9 57	5 56
F 23	7 12	15 11	2 53	1 23	1 36	15 19	4 54	11 40	0 21	8 37	1 2	11 39	1 39	21 42	0 4	15 42	1 44	18 51	16 50	23 27	23 29	18 18	9 56	5 56
S 24	6 49	10 13	3 47	2 3	1 50	15 20	4 45	11 55	0 22	8 42	1 2	11 37	1 39	21 42	0 4	15 42	1 44	18 52	16 50	23 27	23 29	18 20	9 55	5 56
S 25	6 26	4 36	4 29	2 41	2 3	15 21	4 36	12 10	0 23	8 46	1 1	11 34	1 39	21 42	0 4	15 42	1 44	18 53	16 50	23 28	23 29	18 22	9 53	5 56
M26	6 3	1n22	4 55	3 15	2 15	15 21	4 28	12 25	0 23	8 51	1 1	11 31	1 39	21 42	0 4	15 43	1 44	18 54	16 50	23 28	23 29	18 23	9 52	5 56
T 27	5 40	7 21	5 1	3 46	2 27	15 20	4 19	12 40	0 24	8 56	1 1	11 29	1 39	21 42	0 4	15 43	1 44	18 54	16 50	23 28	23 29	18 25	9 51	5 56
W28	5s17	12n55	4n48	4n13	2n39	15s19	4n11	12n55	0n25	9n 0	1s 1	11s26	1s39	21s42	0n 4	15n44	1s44	18n55	16n50	23s29	23s29	18s27	9s49	5n57

Julian Day Number = 2169981.5, Delta T = 12m24s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'25, Lahiri = 13°06'25 Julian Calendar 1 Feb. 1229 == Greg. Calendar 8 Feb. 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

MARCH 1229 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 3 5	17♓40'20	6♉24	5♈ 3	4♒29	3♉35	25♈51	4♓38	8♐13	18♉29	21°R 8	3°R57	3♑32	8♏49	18♒ 7	T 1
F 2	11 7 1	18°39'55	20°57	5°29	5°12	4°17	26° 4	4°45	8°14	18°30	21♍ 7	3♑52	3°29	8°56	18°11	F 2
S 3	11 10 58	19°39'28	5♊15	5°47	5°56	4°58	26°17	4°52	8°14	18°32	21° 5	3°49	3°26	9° 2	18°15	S 3
S 4	11 14 54	20°38'59	19°15	5°57	6°40	5°39	26°30	4°59	8°14	18°33	21° 4	3°D49	3°23	9° 9	18°19	S 4
M 5	11 18 51	21°38'27	2♋58	5°R59	7°26	6°20	26°43	5° 7	8°14	18°34	21° 2	3°R49	3°19	9°16	18°23	M 5
T 6	11 22 47	22°37'52	16°25	5°53	8°12	7° 1	26°56	5°14	8°R14	18°36	21° 0	3°48	3°16	9°22	18°26	T 6
W 7	11 26 44	23°37'16	29°37	5°40	8°59	7°42	27° 9	5°21	8°14	18°37	20°59	3°46	3°13	9°29	18°30	W 7
T 8	11 30 41	24°36'37	12♌37	5°19	9°47	8°23	27°22	5°28	8°14	18°39	20°57	3°41	3°10	9°36	18°34	T 8
F 9	11 34 37	25°35'55	25°25	4°53	10°36	9° 4	27°35	5°35	8°14	18°40	20°55	3°34	3° 7	9°42	18°37	F 9
S 10	11 38 34	26°35'12	8♍ 3	4°20	11°26	9°45	27°48	5°42	8°14	18°42	20°54	3°23	3° 4	9°49	18°41	S 10
S 11	11 42 30	27°34'26	20°31	3°43	12°16	10°26	28° 1	5°49	8°13	18°43	20°52	3°10	3° 0	9°56	18°44	S 11
M12	11 46 27	28°33'38	2♎50	3° 1	13° 7	11° 7	28°15	5°56	8°13	18°45	20°50	2°56	2°57	10° 3	18°48	M12
T 13	11 50 23	29°32'48	14°59	2°16	13°59	11°48	28°28	6° 3	8°13	18°46	20°49	2°42	2°54	10° 9	18°51	T 13
W14	11 54 20	0♈31'56	27° 0	1°28	14°51	12°29	28°41	6°10	8°12	18°48	20°47	2°29	2°51	10°16	18°55	W14
T 15	11 58 16	1°31'02	8♏54	0°39	15°44	13° 9	28°55	6°17	8°12	18°50	20°46	2°19	2°48	10°23	18°58	T 15
F 16	12 2 13	2°30'06	20°44	29♓50	16°38	13°50	29° 8	6°24	8°11	18°51	20°44	2°11	2°45	10°29	19° 2	F 16
S 17	12 6 10	3°29'09	2♐33	29° 2	17°32	14°31	29°22	6°31	8°11	18°53	20°42	2° 6	2°41	10°36	19° 5	S 17
S 18	12 10 6	4°28'09	14°25	28°14	18°26	15°12	29°35	6°38	8°10	18°55	20°41	2° 3	2°38	10°43	19° 8	S 18
M19	12 14 3	5°27'08	26°26	27°30	19°22	15°52	29°49	6°45	8°10	18°56	20°39	2° 2	2°35	10°49	19°12	M19
T 20	12 17 59	6°26'05	8♑39	26°48	20°17	16°33	0♉ 3	6°52	8° 9	18°58	20°38	2° 2	2°32	10°56	19°15	T 20
W21	12 21 56	7°25'01	21°11	26°10	21°14	17°13	0°16	6°58	8° 8	19° 0	20°36	2° 2	2°29	11° 3	19°18	W21
T 22	12 25 52	8°23'54	4♒ 6	25°36	22°10	17°54	0°30	7° 5	8° 7	19° 2	20°34	2° 0	2°25	11°10	19°21	T 22
F 23	12 29 49	9°22'46	17°29	25° 7	23° 8	18°34	0°44	7°12	8° 6	19° 4	20°33	1°56	2°22	11°16	19°24	F 23
S 24	12 33 45	10°21'35	1♓21	24°42	24° 5	19°15	0°58	7°18	8° 6	19° 5	20°31	1°49	2°19	11°23	19°27	S 24
S 25	12 37 42	11°20'23	15°42	24°23	25° 3	19°55	1°12	7°25	8° 5	19° 7	20°30	1°40	2°16	11°30	19°30	S 25
M26	12 41 38	12°19'09	0♈27	24° 9	26° 2	20°36	1°25	7°31	8° 4	19° 9	20°28	1°29	2°13	11°36	19°33	M26
T 27	12 45 35	13°17'54	15°29	24° 0	27° 1	21°16	1°39	7°38	8° 3	19°11	20°27	1°18	2°10	11°43	19°36	T 27
W28	12 49 32	14°16'36	0♉38	23°D57	28° 0	21°57	1°53	7°44	8° 2	19°13	20°25	1° 7	2° 6	11°50	19°39	W28
T 29	12 53 28	15°15'16	15°44	23°58	28°59	22°37	2° 7	7°51	8° 0	19°15	20°24	0°59	2° 3	11°56	19°42	T 29
F 30	12 57 25	16°13'54	0♊37	24° 5	29°59	23°17	2°21	7°57	7°59	19°17	20°22	0°54	2° 0	12° 3	19°45	F 30
S 31	13 1 21	17♈12'30	15♊11	24♓17	1♓ 0	23♉58	2♉35	8♓ 3	7♐58	19♉19	20♍21	0♑51	1♑57	12♏10	19♒48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s53	17n43	4n15	4n36	2n49	15s18	4n 2	13n10	0n25	9n 5	1s 1	11s24	1s39	21s42	0n 4	15n44	1s44	18n56	16n50	23s29	23s30	18s28	9s48	5n57
F 2	4 30	21 23	3 26	4 55	2 59	15 16	3 54	13 24	0 26	9 10	1 1	11 21	1 39	21 42	0 4	15 44	1 44	18 57	16 50	23 29	23 30	18 30	9 47	5 57
S 3	4 7	23 39	2 25	5 10	3 7	15 14	3 45	13 39	0 27	9 15	1 0	11 18	1 40	21 42	0 4	15 45	1 44	18 57	16 50	23 29	23 30	18 32	9 45	5 57
S 4	3 43	24 22	1 16	5 21	3 15	15 11	3 37	13 53	0 27	9 20	1 0	11 16	1 40	21 42	0 4	15 45	1 44	18 58	16 50	23 29	23 30	18 34	9 44	5 57
M 5	3 20	23 35	0 4	5 27	3 21	15 8	3 29	14 8	0 28	9 24	1 0	11 13	1 40	21 42	0 4	15 46	1 44	18 59	16 50	23 29	23 30	18 35	9 43	5 57
T 6	2 56	21 26	1s 6	5 29	3 26	15 4	3 20	14 22	0 29	9 29	1 0	11 11	1 40	21 42	0 4	15 46	1 44	18 59	16 51	23 29	23 30	18 37	9 42	5 57
W 7	2 33	18 10	2 12	5 27	3 29	15 0	3 12	14 36	0 29	9 34	1 0	11 8	1 40	21 42	0 4	15 47	1 44	19 0	16 51	23 29	23 30	18 39	9 40	5 58
T 8	2 9	14 4	3 10	5 20	3 30	14 55	3 4	14 50	0 30	9 39	1 0	11 6	1 40	21 42	0 4	15 47	1 44	19 1	16 51	23 29	23 30	18 40	9 39	5 58
F 9	1 45	9 23	3 57	5 9	3 30	14 50	2 56	15 4	0 30	9 44	0 59	11 3	1 40	21 42	0 4	15 47	1 44	19 1	16 51	23 29	23 30	18 42	9 38	5 58
S 10	1 22	4 23	4 31	4 54	3 28	14 44	2 48	15 17	0 31	9 49	0 59	11 1	1 40	21 42	0 4	15 48	1 44	19 2	16 51	23 30	23 30	18 44	9 37	5 58
S 11	0 58	0s43	4 53	4 36	3 24	14 38	2 40	15 31	0 32	9 54	0 59	10 58	1 40	21 42	0 4	15 48	1 44	19 3	16 51	23 30	23 30	18 45	9 35	5 58
M12	0 35	5 42	5 0	4 14	3 19	14 31	2 32	15 44	0 32	9 59	0 59	10 56	1 40	21 42	0 4	15 49	1 44	19 3	16 51	23 30	23 30	18 47	9 34	5 59
T 13	0 11	10 25	4 53	3 50	3 11	14 24	2 25	15 57	0 33	10 3	0 59	10 53	1 41	21 42	0 4	15 49	1 43	19 4	16 51	23 31	23 30	18 49	9 33	5 59
W14	0n13	14 41	4 33	3 23	3 3	14 16	2 17	16 10	0 33	10 8	0 59	10 51	1 41	21 42	0 4	15 50	1 43	19 5	16 50	23 31	23 31	18 50	9 32	5 59
T 15	0 36	18 20	4 2	2 54	2 52	14 7	2 10	16 23	0 34	10 13	0 59	10 48	1 41	21 42	0 4	15 50	1 43	19 5	16 50	23 31	23 31	18 52	9 30	5 59
F 16	1 0	21 13	3 20	2 23	2 40	13 59	2 2	16 36	0 34	10 18	0 59	10 46	1 41	21 42	0 4	15 51	1 43	19 6	16 50	23 31	23 31	18 53	9 29	5 59
S 17	1 23	23 12	2 29	1 52	2 28	13 49	1 55	16 49	0 35	10 23	0 58	10 43	1 41	21 42	0 4	15 51	1 43	19 6	16 50	23 31	23 31	18 55	9 28	6 0
S 18	1 47	24 9	1 32	1 20	2 14	13 40	1 48	17 2	0 35	10 28	0 58	10 41	1 41	21 42	0 4	15 52	1 43	19 7	16 50	23 31	23 31	18 57	9 27	6 0
M19	2 10	23 59	0 30	0 49	1 59	13 29	1 40	17 14	0 36	10 33	0 58	10 38	1 41	21 42	0 4	15 52	1 43	19 7	16 50	23 31	23 31	18 58	9 25	6 0
T 20	2 34	22 40	0n35	0 18	1 44	13 18	1 33	17 26	0 37	10 38	0 58	10 36	1 41	21 42	0 4	15 53	1 43	19 8	16 50	23 31	23 31	19 0	9 24	6 0
W21	2 57	20 14	1 39	0s11	1 28	13 7	1 26	17 38	0 37	10 43	0 58	10 34	1 42	21 42	0 4	15 53	1 43	19 8	16 50	23 31	23 31	19 2	9 23	6 1
T 22	3 21	16 42	2 41	0 40	1 12	12 55	1 20	17 50	0 38	10 48	0 58	10 31	1 42	21 41	0 4	15 54	1 43	19 9	16 50	23 31	23 31	19 3	9 22	6 1
F 23	3 44	12 14	3 36	1 6	0 55	12 43	1 13	18 2	0 38	10 53	0 58	10 29	1 42	21 41	0 4	15 54	1 43	19 10	16 50	23 32	23 31	19 5	9 21	6 1
S 24	4 7	6 59	4 20	1 31	0 39	12 31	1 6	18 14	0 39	10 57	0 58	10 26	1 42	21 41	0 4	15 55	1 43	19 10	16 50	23 32	23 31	19 6	9 19	6 1
S 25	4 30	1 13	4 49	1 53	0 23	12 17	1 0	18 25	0 39	11 2	0 57	10 24	1 42	21 41	0 4	15 56	1 43	19 10	16 49	23 32	23 31	19 8	9 18	6 2
M26	4 53	4n47	5 1	2 13	0 7	12 4	0 53	18 37	0 40	11 7	0 57	10 22	1 42	21 41	0 4	15 56	1 43	19 11	16 49	23 32	23 31	19 10	9 17	6 2
T 27	5 16	10 36	4 52	2 31	0s 8	11 50	0 47	18 48	0 40	11 12	0 57	10 19	1 42	21 41	0 4	15 57	1 43	19 11	16 49	23 32	23 31	19 11	9 16	6 2
W28	5 39	15 50	4 22	2 46	0 23	11 35	0 41	18 59	0 41	11 17	0 57	10 17	1 43	21 41	0 4	15 57	1 43	19 12	16 49	23 32	23 31	19 13	9 15	6 2
T 29	6 2	20 2	3 35	2 58	0 37	11 20	0 34	19 10	0 41	11 22	0 57	10 15	1 43	21 40	0 4	15 58	1 43	19 12	16 49	23 32	23 31	19 14	9 14	6 3
F 30	6 25	22 51	2 33	3 8	0 51	11 5	0 28	19 21	0 42	11 27	0 57	10 13	1 43	21 40	0 4	15 58	1 43	19 13	16 48	23 32	23 31	19 16	9 13	6 3
S 31	6n47	24n 4	1n22	3s15	1s 4	10s49	0n23	19n31	0n42	11n32	0s57	10s10	1s43	21s40	0n 4	15n59	1s43	19n13	16n48	23s32	23s32	19s17	9s11	6n 3

Julian Day Number = 2170009.5, Delta T = 12m24s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'29, Lahiri = 13°06'29 Julian Calendar 1 March 1229 == Greg. Calendar 8 March 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

APRIL 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 5 18	18♈11'04	29♊22	24♓34	2♓ 0	24♉38	2♉49	8♓10	7°R57	19♉21	20°R20	0°D50	1♑54	12♏16	19♒50	S 1
M 2	13 9 14	19° 9'35	13♋10	24°55	3° 1	25°18	3° 3	8°16	7♐55	19°23	20♍18	0°R50	1°50	12°23	19°53	M 2
T 3	13 13 11	20° 8'04	26°35	25°20	4° 2	25°58	3°17	8°22	7°54	19°25	20°17	0♑50	1°47	12°30	19°56	T 3
W 4	13 17 7	21° 6'31	9♌41	25°51	5° 4	26°38	3°31	8°28	7°53	19°27	20°15	0°49	1°44	12°36	19°58	W 4
T 5	13 21 4	22° 4'56	22°29	26°25	6° 6	27°18	3°46	8°34	7°51	19°29	20°14	0°45	1°41	12°43	20° 1	T 5
F 6	13 25 1	23° 3'19	5♍ 4	27° 3	7° 8	27°59	4° 0	8°40	7°50	19°31	20°13	0°39	1°38	12°50	20° 3	F 6
S 7	13 28 57	24° 1'39	17°27	27°45	8°10	28°39	4°14	8°46	7°48	19°33	20°11	0°30	1°35	12°57	20° 5	S 7
S 8	13 32 54	24°59'57	29°41	28°30	9°13	29°19	4°28	8°52	7°47	19°35	20°10	0°19	1°31	13° 3	20° 8	S 8
M 9	13 36 50	25°58'14	11♎47	29°19	10°16	29°59	4°42	8°58	7°45	19°37	20° 9	0° 7	1°28	13°10	20°10	M 9
T 10	13 40 47	26°56'29	23°47	0♈11	11°19	0♊39	4°56	9° 4	7°43	19°39	20° 8	29♐55	1°25	13°17	20°12	T 10
W11	13 44 43	27°54'41	5♏42	1° 7	12°22	1°19	5°10	9° 9	7°42	19°41	20° 6	29°44	1°22	13°23	20°15	W11
T 12	13 48 40	28°52'53	17°33	2° 5	13°26	1°58	5°25	9°15	7°40	19°43	20° 5	29°35	1°19	13°30	20°17	T 12
F 13	13 52 36	29°51'02	29°22	3° 7	14°29	2°38	5°39	9°21	7°38	19°45	20° 4	29°29	1°16	13°37	20°19	F 13
S 14	13 56 33	0♉49'10	11♐12	4°11	15°34	3°18	5°53	9°26	7°37	19°48	20° 3	29°25	1°12	13°43	20°21	S 14
S 15	14 0 30	1°47'16	23° 6	5°18	16°38	3°58	6° 7	9°32	7°35	19°50	20° 2	29°23	1° 9	13°50	20°23	S 15
M16	14 4 26	2°45'21	5♑ 8	6°27	17°42	4°38	6°21	9°37	7°33	19°52	20° 0	29°D23	1° 6	13°57	20°25	M16
T 17	14 8 23	3°43'25	17°21	7°39	18°47	5°17	6°36	9°42	7°31	19°54	19°59	29°24	1° 3	14° 3	20°27	T 17
W18	14 12 19	4°41'27	29°52	8°54	19°52	5°57	6°50	9°48	7°29	19°56	19°58	29°R24	1° 0	14°10	20°28	W18
T 19	14 16 16	5°39'27	12♒44	10°11	20°57	6°37	7° 4	9°53	7°27	19°58	19°57	29°24	0°56	14°17	20°30	T 19
F 20	14 20 12	6°37'26	26° 2	11°30	22° 2	7°17	7°18	9°58	7°25	20° 1	19°56	29°22	0°53	14°23	20°32	F 20
S 21	14 24 9	7°35'24	9♓48	12°52	23° 8	7°56	7°33	10° 3	7°23	20° 3	19°55	29°19	0°50	14°30	20°34	S 21
S 22	14 28 5	8°33'20	24° 3	14°16	24°13	8°36	7°47	10° 8	7°21	20° 5	19°54	29°13	0°47	14°37	20°35	S 22
M23	14 32 2	9°31'16	8♈45	15°42	25°19	9°15	8° 1	10°13	7°19	20° 7	19°53	29° 6	0°44	14°44	20°37	M23
T 24	14 35 59	10°29'09	23°47	17°11	26°25	9°55	8°15	10°18	7°17	20° 9	19°52	28°59	0°41	14°50	20°38	T 24
W25	14 39 55	11°27'02	9♉ 1	18°41	27°31	10°35	8°29	10°23	7°15	20°12	19°52	28°52	0°37	14°57	20°40	W25
T 26	14 43 52	12°24'53	24°17	20°14	28°37	11°14	8°44	10°28	7°13	20°14	19°51	28°46	0°34	15° 4	20°41	T 26
F 27	14 47 48	13°22'42	9♊23	21°49	29°43	11°54	8°58	10°32	7°11	20°16	19°50	28°43	0°31	15°10	20°42	F 27
S 28	14 51 45	14°20'30	24°11	23°26	0♈50	12°33	9°12	10°37	7° 8	20°18	19°49	28°D41	0°28	15°17	20°44	S 28
S 29	14 55 41	15°18'16	8♋35	25° 5	1°57	13°13	9°26	10°41	7° 6	20°21	19°48	28°42	0°25	15°24	20°45	S 29
M30	14 59 38	16♉16'01	22♋34	26♈46	3♈ 3	13♊52	9♉40	10♓46	7♐ 4	20♉23	19♍48	28♐43	0♑22	15♏30	20♒46	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n10	23n40	0n 8	3s20	1s16	10s33	0n17	19n42	0n43	11n37	0s57	10s 8	1s43	21s40	0n 4	15n59	1s43	19n13	16n48	23s32	23s32	19s19	9s10	6n 3
M 2	7 32	21 48	1s 5	3 22	1 28	10 16	0 11	19 52	0 43	11 42	0 57	10 6	1 43	21 40	0 4	16 0	1 43	19 14	16 48	23 32	23 32	19 20	9 9	6 4
T 3	7 54	18 46	2 12	3 22	1 38	9 59	0 6	20 2	0 43	11 47	0 57	10 4	1 43	21 39	0 4	16 1	1 43	19 14	16 48	23 32	23 32	19 22	9 8	6 4
W 4	8 16	14 50	3 11	3 19	1 49	9 42	0 0	20 12	0 44	11 51	0 56	10 2	1 44	21 39	0 4	16 1	1 43	19 14	16 47	23 32	23 32	19 24	9 7	6 4
T 5	8 38	10 19	3 58	3 14	1 58	9 24	0s 5	20 22	0 44	11 56	0 56	10 0	1 44	21 39	0 4	16 2	1 43	19 15	16 47	23 32	23 32	19 25	9 6	6 5
F 6	9 0	5 27	4 33	3 7	2 7	9 6	0 11	20 31	0 45	12 1	0 56	9 57	1 44	21 39	0 4	16 2	1 43	19 15	16 47	23 32	23 32	19 27	9 5	6 5
S 7	9 22	0 27	4 55	2 58	2 15	8 47	0 16	20 41	0 45	12 6	0 56	9 55	1 44	21 39	0 4	16 3	1 42	19 15	16 47	23 32	23 32	19 28	9 4	6 5
S 8	9 43	4s30	5 2	2 46	2 22	8 28	0 21	20 50	0 46	12 11	0 56	9 53	1 44	21 38	0 4	16 3	1 42	19 16	16 46	23 32	23 32	19 30	9 3	6 5
M 9	10 4	9 13	4 56	2 33	2 29	8 9	0 26	20 59	0 46	12 16	0 56	9 51	1 44	21 38	0 4	16 4	1 42	19 16	16 46	23 32	23 32	19 31	9 2	6 6
T 10	10 25	13 33	4 37	2 17	2 35	7 49	0 30	21 8	0 46	12 21	0 56	9 49	1 45	21 38	0 4	16 5	1 42	19 16	16 46	23 32	23 32	19 33	9 1	6 6
W11	10 46	17 20	4 6	2 0	2 40	7 29	0 35	21 16	0 47	12 25	0 56	9 47	1 45	21 37	0 4	16 5	1 42	19 16	16 46	23 32	23 32	19 34	9 0	6 6
T 12	11 7	20 24	3 24	1 41	2 44	7 9	0 39	21 25	0 47	12 30	0 56	9 45	1 45	21 37	0 4	16 6	1 42	19 17	16 45	23 32	23 32	19 36	8 59	6 7
F 13	11 28	22 36	2 33	1 20	2 48	6 48	0 44	21 33	0 48	12 35	0 56	9 43	1 45	21 37	0 4	16 6	1 42	19 17	16 45	23 32	23 32	19 37	8 58	6 7
S 14	11 48	23 48	1 36	0 57	2 51	6 27	0 48	21 41	0 48	12 40	0 56	9 41	1 45	21 37	0 4	16 7	1 42	19 17	16 45	23 32	23 32	19 39	8 57	6 7
S 15	12 9	23 55	0 34	0 32	2 53	6 6	0 52	21 49	0 49	12 45	0 56	9 39	1 46	21 36	0 4	16 8	1 42	19 17	16 44	23 32	23 32	19 40	8 56	6 8
M16	12 29	22 56	0n31	0 6	2 55	5 45	0 56	21 57	0 49	12 49	0 55	9 38	1 46	21 36	0 4	16 8	1 42	19 17	16 44	23 32	23 32	19 41	8 55	6 8
T 17	12 49	20 50	1 35	0n21	2 56	5 23	1 0	22 5	0 49	12 54	0 55	9 36	1 46	21 36	0 4	16 9	1 42	19 17	16 44	23 32	23 32	19 43	8 54	6 8
W18	13 8	17 43	2 36	0 50	2 57	5 1	1 4	22 12	0 50	12 59	0 55	9 34	1 46	21 35	0 4	16 9	1 42	19 17	16 43	23 32	23 32	19 44	8 54	6 9
T 19	13 28	13 41	3 31	1 20	2 57	4 39	1 8	22 20	0 50	13 4	0 55	9 32	1 46	21 35	0 4	16 10	1 42	19 18	16 43	23 32	23 32	19 46	8 53	6 9
F 20	13 47	8 52	4 17	1 52	2 56	4 16	1 12	22 27	0 50	13 8	0 55	9 30	1 47	21 35	0 4	16 11	1 42	19 18	16 43	23 32	23 32	19 47	8 52	6 9
S 21	14 6	3 27	4 50	2 25	2 55	3 53	1 15	22 34	0 51	13 13	0 55	9 29	1 47	21 35	0 4	16 11	1 42	19 18	16 42	23 32	23 32	19 49	8 51	6 10
S 22	14 25	2n19	5 6	3 0	2 53	3 30	1 18	22 40	0 51	13 18	0 55	9 27	1 47	21 34	0 4	16 12	1 42	19 18	16 42	23 32	23 32	19 50	8 50	6 10
M23	14 43	8 7	5 3	3 35	2 50	3 7	1 22	22 47	0 52	13 22	0 55	9 25	1 47	21 34	0 4	16 12	1 42	19 18	16 41	23 32	23 32	19 52	8 49	6 10
T 24	15 2	13 35	4 39	4 12	2 47	2 44	1 25	22 53	0 52	13 27	0 55	9 23	1 47	21 34	0 4	16 13	1 42	19 18	16 41	23 32	23 32	19 53	8 49	6 11
W25	15 20	18 17	3 56	4 50	2 43	2 20	1 28	22 59	0 52	13 32	0 55	9 22	1 48	21 33	0 4	16 14	1 42	19 18	16 41	23 32	23 32	19 54	8 48	6 11
T 26	15 38	21 45	2 55	5 29	2 39	1 56	1 31	23 5	0 53	13 36	0 55	9 20	1 48	21 33	0 4	16 14	1 42	19 18	16 40	23 32	23 32	19 56	8 47	6 11
F 27	15 55	23 38	1 43	6 9	2 34	1 32	1 34	23 11	0 53	13 41	0 55	9 19	1 48	21 32	0 4	16 15	1 42	19 18	16 40	23 32	23 32	19 57	8 46	6 12
S 28	16 13	23 49	0 24	6 50	2 29	1 8	1 36	23 17	0 53	13 45	0 55	9 17	1 48	21 32	0 4	16 15	1 42	19 18	16 40	23 32	23 32	19 59	8 46	6 12
S 29	16 30	22 22	0s53	7 32	2 23	0 44	1 39	23 22	0 54	13 50	0 55	9 16	1 48	21 32	0 4	16 16	1 42	19 18	16 39	23 32	23 32	20 0	8 45	6 12
M30	16n46	19n34	2s 6	8n14	2s17	0s20	1s41	23n27	0n54	13n54	0s55	9s14	1s49	21s31	0n 3	16n17	1s42	19n18	16n39	23s32	23s32	20s 1	8s44	6n13

Julian Day Number = 2170040.5, Delta T = 12m24s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'33, Lahiri = 13°06'33 Julian Calendar 1 Apr. 1229 == Greg. Calendar 8 Apr. 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

MAY 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 34	17♉13'44	6♌ 6	28♈30	4♈10	14♊31	9♉55	10♓50	7°R 2	20♉25	19°R47	28♐44	0♋18	15♏37	20♒47	T 1
W 2	15 7 31	18°11'25	19°14	0♉15	5°17	15°11	10° 9	10°54	6♐59	20°27	19♍46	28°R45	0°15	15°44	20°48	W 2
T 3	15 11 28	19° 9'04	2♍ 1	2° 3	6°24	15°50	10°23	10°59	6°57	20°30	19°45	28°44	0°12	15°50	20°49	T 3
F 4	15 15 24	20° 6'42	14°30	3°53	7°32	16°29	10°37	11° 3	6°55	20°32	19°45	28°41	0° 9	15°57	20°50	F 4
S 5	15 19 21	21° 4'19	26°46	5°45	8°39	17° 9	10°51	11° 7	6°52	20°34	19°44	28°37	0° 6	16° 4	20°51	S 5
S 6	15 23 17	22° 1'53	8♎52	7°39	9°46	17°48	11° 5	11°11	6°50	20°36	19°44	28°32	0° 2	16°10	20°51	S 6
M 7	15 27 14	22°59'27	20°50	9°35	10°54	18°27	11°19	11°15	6°48	20°39	19°43	28°25	29♐59	16°17	20°52	M 7
T 8	15 31 10	23°56'59	2♏43	11°33	12° 2	19° 6	11°33	11°18	6°45	20°41	19°43	28°19	29°56	16°24	20°53	T 8
W 9	15 35 7	24°54'30	14°34	13°33	13°10	19°46	11°47	11°22	6°43	20°43	19°42	28°13	29°53	16°30	20°53	W 9
T 10	15 39 3	25°52'00	26°24	15°35	14°17	20°25	12° 1	11°26	6°41	20°45	19°42	28° 9	29°50	16°37	20°54	T 10
F 11	15 43 0	26°49'29	8♐15	17°39	15°25	21° 4	12°15	11°29	6°38	20°48	19°41	28° 5	29°47	16°44	20°54	F 11
S 12	15 46 57	27°46'56	20°10	19°44	16°34	21°43	12°29	11°33	6°36	20°50	19°41	28° 4	29°43	16°51	20°55	S 12
S 13	15 50 53	28°44'23	2♑10	21°51	17°42	22°22	12°43	11°36	6°33	20°52	19°41	28°D 4	29°40	16°57	20°55	S 13
M14	15 54 50	29°41'49	14°19	23°59	18°50	23° 1	12°57	11°39	6°31	20°54	19°40	28° 5	29°37	17° 4	20°55	M14
T 15	15 58 46	0♊39'14	26°39	26° 9	19°59	23°40	13°11	11°43	6°28	20°57	19°40	28° 6	29°34	17°11	20°56	T 15
W16	16 2 43	1°36'39	9♒14	28°20	21° 7	24°19	13°25	11°46	6°26	20°59	19°40	28° 8	29°31	17°17	20°56	W16
T 17	16 6 39	2°34'02	22° 8	0♊31	22°16	24°58	13°38	11°49	6°24	21° 1	19°39	28° 9	29°27	17°24	20°56	T 17
F 18	16 10 36	3°31'25	5♓23	2°43	23°24	25°37	13°52	11°52	6°21	21° 3	19°39	28°R 9	29°24	17°31	20°R56	F 18
S 19	16 14 32	4°28'47	19° 3	4°55	24°33	26°16	14° 6	11°54	6°19	21° 5	19°39	28° 8	29°21	17°37	20°56	S 19
S 20	16 18 29	5°26'09	3♈ 8	7° 7	25°42	26°55	14°20	11°57	6°16	21° 8	19°39	28° 7	29°18	17°44	20°56	S 20
M21	16 22 26	6°23'30	17°36	9°18	26°51	27°34	14°33	12° 0	6°14	21°10	19°39	28° 4	29°15	17°51	20°56	M21
T 22	16 26 22	7°20'51	2♉26	11°29	28° 0	28°13	14°47	12° 2	6°11	21°12	19°39	28° 2	29°12	17°57	20°55	T 22
W23	16 30 19	8°18'11	17°29	13°40	29° 9	28°52	15° 0	12° 5	6° 9	21°14	19°D39	27°59	29° 8	18° 4	20°55	W23
T 24	16 34 15	9°15'31	2♊37	15°49	0♉19	29°31	15°14	12° 7	6° 6	21°16	19°39	27°57	29° 5	18°11	20°55	T 24
F 25	16 38 12	10°12'50	17°41	17°56	1°28	0♋10	15°27	12°10	6° 4	21°18	19°39	27°56	29° 2	18°17	20°54	F 25
S 26	16 42 8	11°10'08	2♋32	20° 3	2°37	0°49	15°41	12°12	6° 1	21°21	19°39	27°D56	28°59	18°24	20°54	S 26
S 27	16 46 5	12° 7'26	17° 4	22° 7	3°47	1°27	15°54	12°14	5°59	21°23	19°39	27°57	28°56	18°31	20°53	S 27
M28	16 50 1	13° 4'43	1♌10	24°10	4°56	2° 6	16° 8	12°16	5°56	21°25	19°39	27°58	28°53	18°37	20°53	M28
T 29	16 53 58	14° 1'59	14°51	26°11	6° 6	2°45	16°21	12°18	5°54	21°27	19°39	27°59	28°49	18°44	20°52	T 29
W30	16 57 55	14°59'14	28° 5	28°10	7°15	3°24	16°34	12°20	5°52	21°29	19°39	28° 0	28°46	18°51	20°52	W30
T 31	17 1 51	15♊56'28	10♍56	0♋ 7	8♉25	4♋ 2	16♉48	12♓21	5♐49	21♉31	19♍40	28°R 0	28♐43	18♏57	20♒51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 3	15n47	3s 9	8n58	2s10	0n 5	1s44	23n32	0n54	13n59	0s55	9s13	1s49	21s31	0n 3	16n17	1s42	19n18	16n38	23s32	23s32	20s 3	8s44	6n13
W 2	17 19	11 19	4 0	9 42	2 3	0 29	1 46	23 37	0 55	14 3	0 55	9 11	1 49	21 31	0 3	16 18	1 42	19 17	16 38	23 32	23 32	20 4	8 43	6 13
T 3	17 35	6 29	4 38	10 26	1 55	0 54	1 48	23 42	0 55	14 8	0 55	9 10	1 49	21 30	0 3	16 18	1 42	19 17	16 37	23 32	23 32	20 6	8 42	6 14
F 4	17 51	1 30	5 1	11 12	1 47	1 19	1 50	23 46	0 55	14 12	0 54	9 8	1 49	21 30	0 3	16 19	1 42	19 17	16 37	23 32	23 32	20 7	8 42	6 14
S 5	18 6	3s27	5 10	11 57	1 38	1 44	1 52	23 50	0 56	14 17	0 54	9 7	1 50	21 30	0 3	16 20	1 42	19 17	16 37	23 32	23 32	20 8	8 41	6 15
S 6	18 21	8 12	5 6	12 43	1 29	2 9	1 54	23 54	0 56	14 21	0 54	9 6	1 50	21 29	0 3	16 20	1 42	19 17	16 36	23 32	23 32	20 10	8 40	6 15
M 7	18 36	12 36	4 47	13 29	1 19	2 34	1 55	23 58	0 56	14 26	0 54	9 4	1 50	21 29	0 3	16 21	1 42	19 17	16 36	23 32	23 32	20 11	8 40	6 15
T 8	18 50	16 29	4 17	14 15	1 10	2 59	1 57	24 2	0 56	14 30	0 54	9 3	1 50	21 28	0 3	16 21	1 42	19 16	16 35	23 32	23 32	20 12	8 39	6 16
W 9	19 4	19 42	3 35	15 1	1 0	3 24	1 58	24 5	0 57	14 34	0 54	9 2	1 51	21 28	0 3	16 22	1 42	19 16	16 35	23 32	23 32	20 14	8 39	6 16
T 10	19 18	22 6	2 44	15 47	0 49	3 49	2 0	24 8	0 57	14 39	0 54	9 1	1 51	21 28	0 3	16 23	1 42	19 16	16 34	23 32	23 32	20 15	8 38	6 16
F 11	19 32	23 31	1 46	16 33	0 39	4 14	2 1	24 11	0 57	14 43	0 54	9 0	1 51	21 27	0 3	16 23	1 42	19 16	16 34	23 32	23 32	20 16	8 38	6 17
S 12	19 45	23 53	0 43	17 17	0 28	4 39	2 2	24 14	0 58	14 47	0 54	8 59	1 51	21 27	0 3	16 24	1 42	19 16	16 33	23 31	23 32	20 18	8 37	6 17
S 13	19 58	23 9	0n23	18 1	0 18	5 5	2 3	24 17	0 58	14 52	0 54	8 58	1 52	21 26	0 3	16 24	1 42	19 15	16 33	23 31	23 32	20 19	8 37	6 17
M14	20 10	21 18	1 28	18 44	0 7	5 30	2 4	24 19	0 58	14 56	0 54	8 56	1 52	21 26	0 3	16 25	1 42	19 15	16 33	23 32	23 32	20 20	8 37	6 18
T 15	20 22	18 27	2 31	19 26	0n 4	5 55	2 5	24 22	0 58	15 0	0 54	8 55	1 52	21 26	0 3	16 26	1 42	19 15	16 32	23 32	23 32	20 22	8 36	6 18
W16	20 34	14 41	3 27	20 6	0 14	6 20	2 6	24 24	0 59	15 4	0 54	8 55	1 52	21 25	0 3	16 26	1 42	19 14	16 32	23 32	23 32	20 23	8 36	6 19
T 17	20 46	10 10	4 15	20 45	0 25	6 45	2 6	24 26	0 59	15 8	0 54	8 54	1 53	21 25	0 3	16 27	1 42	19 14	16 31	23 32	23 32	20 24	8 35	6 19
F 18	20 57	5 4	4 50	21 22	0 35	7 10	2 7	24 27	0 59	15 12	0 54	8 53	1 53	21 24	0 3	16 27	1 42	19 14	16 31	23 32	23 32	20 26	8 35	6 19
S 19	21 8	0n25	5 11	21 56	0 45	7 35	2 7	24 29	0 59	15 17	0 54	8 52	1 53	21 24	0 3	16 28	1 42	19 13	16 30	23 32	23 32	20 27	8 35	6 20
S 20	21 18	6 2	5 14	22 29	0 54	8 0	2 7	24 30	1 0	15 21	0 54	8 51	1 53	21 23	0 3	16 28	1 42	19 13	16 30	23 32	23 32	20 28	8 34	6 20
M21	21 28	11 30	4 57	22 59	1 3	8 25	2 8	24 31	1 0	15 25	0 54	8 50	1 53	21 23	0 3	16 29	1 42	19 12	16 29	23 32	23 32	20 29	8 34	6 20
T 22	21 38	16 26	4 20	23 26	1 11	8 49	2 8	24 32	1 0	15 29	0 54	8 49	1 54	21 23	0 3	16 30	1 42	19 12	16 29	23 31	23 32	20 31	8 34	6 21
W23	21 47	20 24	3 25	23 51	1 19	9 14	2 8	24 33	1 0	15 33	0 54	8 49	1 54	21 22	0 3	16 30	1 42	19 12	16 28	23 31	23 32	20 32	8 34	6 21
T 24	21 56	22 59	2 15	24 13	1 27	9 38	2 8	24 33	1 1	15 37	0 54	8 48	1 54	21 22	0 3	16 31	1 42	19 11	16 28	23 31	23 32	20 33	8 33	6 21
F 25	22 4	23 54	0 56	24 32	1 33	10 2	2 7	24 33	1 1	15 41	0 54	8 47	1 54	21 21	0 3	16 31	1 42	19 11	16 27	23 31	23 32	20 34	8 33	6 22
S 26	22 13	23 5	0s25	24 49	1 39	10 26	2 7	24 33	1 1	15 45	0 54	8 47	1 55	21 21	0 3	16 32	1 42	19 10	16 27	23 31	23 32	20 36	8 33	6 22
S 27	22 20	20 44	1 44	25 2	1 44	10 50	2 7	24 33	1 1	15 48	0 54	8 46	1 55	21 21	0 3	16 32	1 42	19 10	16 26	23 31	23 32	20 37	8 33	6 22
M28	22 28	17 9	2 54	25 13	1 49	11 14	2 6	24 33	1 2	15 52	0 54	8 46	1 55	21 20	0 3	16 33	1 42	19 9	16 26	23 31	23 32	20 38	8 33	6 23
T 29	22 35	12 46	3 51	25 21	1 52	11 38	2 6	24 32	1 2	15 56	0 54	8 45	1 55	21 20	0 3	16 33	1 42	19 9	16 25	23 31	23 32	20 39	8 32	6 23
W30	22 41	7 53	4 35	25 27	1 55	12 1	2 5	24 32	1 2	16 0	0 54	8 45	1 56	21 19	0 3	16 34	1 42	19 8	16 25	23 31	23 32	20 41	8 32	6 23
T 31	22n48	2n50	5s 3	25n30	1n58	12n24	2s 5	24n31	1n 2	16n 4	0s54	8s44	1s56	21s19	0n 3	16n34	1s42	19n 8	16n24	23s31	23s32	20s42	8s32	6n24

Julian Day Number = 2170070.5, Delta T = 12m23s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'37, Lahiri = 13°06'37 Julian Calendar 1 May 1229 == Greg. Calendar 8 May 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

JUNE 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 5 48	16♊53'41	23♍26	2♋ 2	9♉35	4♋41	17♉ 1	12♓23	5°R47	21♉33	19♍40	28°R 0	28♐40	19♏ 4	20°R50	F 1
S 2	17 9 44	17°50'54	5♎41	3°54	10°45	5°20	17°14	12°24	5♐44	21°35	19°40	28♐ 0	28°37	19°11	20♒49	S 2
S 3	17 13 41	18°48'06	17°44	5°45	11°54	5°59	17°27	12°26	5°42	21°37	19°41	27°59	28°33	19°17	20°48	S 3
M 4	17 17 37	19°45'18	29°38	7°33	13° 4	6°37	17°40	12°27	5°40	21°39	19°41	27°58	28°30	19°24	20°47	M 4
T 5	17 21 34	20°42'29	11♏29	9°18	14°14	7°16	17°53	12°28	5°37	21°41	19°41	27°57	28°27	19°31	20°46	T 5
W 6	17 25 30	21°39'39	23°18	11° 2	15°25	7°55	18° 6	12°29	5°35	21°43	19°42	27°56	28°24	19°38	20°45	W 6
T 7	17 29 27	22°36'50	5♐10	12°43	16°35	8°33	18°19	12°30	5°33	21°45	19°42	27°55	28°21	19°44	20°44	T 7
F 8	17 33 24	23°33'59	17° 6	14°22	17°45	9°12	18°32	12°31	5°30	21°47	19°43	27°55	28°18	19°51	20°43	F 8
S 9	17 37 20	24°31'09	29° 9	15°59	18°55	9°50	18°45	12°32	5°28	21°49	19°43	27°D55	28°14	19°58	20°42	S 9
S 10	17 41 17	25°28'19	11♑21	17°33	20° 6	10°29	18°57	12°33	5°26	21°51	19°44	27°55	28°11	20° 4	20°40	S 10
M11	17 45 13	26°25'28	23°43	19° 5	21°16	11° 7	19°10	12°33	5°23	21°53	19°44	27°55	28° 8	20°11	20°39	M11
T 12	17 49 10	27°22'37	6♒17	20°35	22°26	11°46	19°22	12°34	5°21	21°55	19°45	27°55	28° 5	20°18	20°37	T 12
W13	17 53 6	28°19'47	19° 5	22° 2	23°37	12°25	19°35	12°34	5°19	21°57	19°46	27°R55	28° 2	20°24	20°36	W13
T 14	17 57 3	29°16'56	2♓ 9	23°27	24°48	13° 3	19°47	12°35	5°17	21°59	19°46	27°55	27°59	20°31	20°34	T 14
F 15	18 1 0	0♋14'06	15°29	24°50	25°58	13°42	20° 0	12°35	5°15	22° 1	19°47	27°55	27°55	20°38	20°33	F 15
S 16	18 4 56	1°11'16	29° 8	26°10	27° 9	14°20	20°12	12°35	5°12	22° 3	19°48	27°D55	27°52	20°44	20°31	S 16
S 17	18 8 53	2° 8'26	13♈ 5	27°28	28°20	14°59	20°24	12°R35	5°10	22° 5	19°49	27°55	27°49	20°51	20°30	S 17
M18	18 12 49	3° 5'37	27°20	28°43	29°30	15°37	20°37	12°35	5° 8	22° 6	19°49	27°55	27°46	20°58	20°28	M18
T 19	18 16 46	4° 2'48	11♉51	29°56	0♊41	16°15	20°49	12°35	5° 6	22° 8	19°50	27°56	27°43	21° 4	20°26	T 19
W20	18 20 42	5° 0'00	26°33	1♌ 6	1°52	16°54	21° 1	12°34	5° 4	22°10	19°51	27°56	27°39	21°11	20°24	W20
T 21	18 24 39	5°57'12	11♊22	2°13	3° 3	17°32	21°13	12°34	5° 2	22°12	19°52	27°57	27°36	21°18	20°22	T 21
F 22	18 28 35	6°54'25	26° 9	3°17	4°14	18°11	21°25	12°33	5° 0	22°13	19°53	27°R57	27°33	21°24	20°20	F 22
S 23	18 32 32	7°51'37	10♋49	4°19	5°26	18°49	21°36	12°33	4°58	22°15	19°54	27°57	27°30	21°31	20°18	S 23
S 24	18 36 29	8°48'51	25°15	5°17	6°37	19°28	21°48	12°32	4°56	22°17	19°55	27°56	27°27	21°38	20°16	S 24
M25	18 40 25	9°46'04	9♌21	6°13	7°48	20° 6	22° 0	12°31	4°54	22°18	19°56	27°55	27°24	21°44	20°14	M25
T 26	18 44 22	10°43'17	23° 3	7° 5	8°59	20°44	22°11	12°31	4°53	22°20	19°57	27°53	27°20	21°51	20°12	T 26
W27	18 48 18	11°40'30	6♍21	7°54	10°11	21°23	22°23	12°30	4°51	22°22	19°58	27°52	27°17	21°58	20°10	W27
T 28	18 52 15	12°37'44	19°16	8°39	11°22	22° 1	22°34	12°28	4°49	22°23	19°59	27°50	27°14	22° 4	20° 8	T 28
F 29	18 56 11	13°34'58	1♎50	9°21	12°33	22°40	22°45	12°27	4°47	22°25	20° 0	27°49	27°11	22°11	20° 6	F 29
S 30	19 0 8	14♋32'12	14♎ 5	9♌59	13♊45	23♋18	22♉57	12♓26	4♐46	22♉26	20♍ 1	27°D49	27♐ 8	22♏18	20♒ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n53	2s13	5s16	25n31	1n59	12n47	2s 4	24n30	1n 2	16n 7	0s54	8s44	1s56	21s18	0n 3	16n35	1s42	19n 7	16n24	23s31	23s32	20s43	8s32	6n24
S 2	22 59	7 4	5 14	25 29	2 0	13 10	2 3	24 28	1 3	16 11	0 54	8 44	1 57	21 18	0 3	16 35	1 42	19 7	16 23	23 31	23 32	20 44	8 32	6 24
S 3	23 4	11 34	4 58	25 25	2 0	13 32	2 2	24 27	1 3	16 15	0 54	8 43	1 57	21 18	0 3	16 36	1 42	19 6	16 23	23 31	23 32	20 45	8 32	6 25
M 4	23 8	15 35	4 30	25 19	2 0	13 54	2 1	24 25	1 3	16 19	0 54	8 43	1 57	21 17	0 3	16 36	1 42	19 5	16 22	23 31	23 32	20 47	8 32	6 25
T 5	23 13	18 59	3 50	25 11	1 58	14 16	2 0	24 23	1 3	16 22	0 54	8 43	1 57	21 17	0 3	16 37	1 42	19 5	16 22	23 31	23 32	20 48	8 32	6 25
W 6	23 17	21 35	3 0	25 1	1 56	14 38	1 59	24 21	1 3	16 26	0 54	8 43	1 58	21 16	0 3	16 37	1 42	19 4	16 21	23 31	23 32	20 49	8 32	6 26
T 7	23 20	23 16	2 3	24 49	1 54	14 59	1 57	24 19	1 4	16 29	0 54	8 42	1 58	21 16	0 3	16 38	1 42	19 4	16 21	23 31	23 32	20 50	8 32	6 26
F 8	23 23	23 54	1 0	24 35	1 50	15 20	1 56	24 17	1 4	16 33	0 54	8 42	1 58	21 16	0 3	16 38	1 42	19 3	16 20	23 31	23 32	20 51	8 32	6 26
S 9	23 25	23 25	0n 7	24 20	1 46	15 41	1 55	24 14	1 4	16 36	0 54	8 42	1 58	21 15	0 3	16 39	1 42	19 2	16 20	23 31	23 32	20 53	8 32	6 27
S 10	23 28	21 49	1 14	24 4	1 42	16 1	1 53	24 11	1 4	16 40	0 54	8 42	1 59	21 15	0 3	16 39	1 42	19 2	16 19	23 31	23 32	20 54	8 33	6 27
M11	23 29	19 10	2 18	23 46	1 37	16 21	1 52	24 8	1 4	16 43	0 54	8 42	1 59	21 14	0 3	16 40	1 43	19 1	16 19	23 31	23 32	20 55	8 33	6 27
T 12	23 31	15 35	3 17	23 27	1 31	16 41	1 50	24 5	1 5	16 47	0 54	8 42	1 59	21 14	0 3	16 40	1 43	19 0	16 19	23 31	23 32	20 56	8 33	6 28
W13	23 32	11 14	4 8	23 7	1 25	17 0	1 48	24 2	1 5	16 50	0 54	8 42	1 59	21 14	0 3	16 41	1 43	19 0	16 18	23 31	23 31	20 57	8 33	6 28
T 14	23 32	6 18	4 46	22 46	1 18	17 19	1 47	23 58	1 5	16 53	0 54	8 43	2 0	21 13	0 3	16 41	1 43	18 59	16 18	23 31	23 31	20 58	8 33	6 28
F 15	23 32	0 59	5 10	22 24	1 11	17 38	1 45	23 55	1 5	16 57	0 54	8 43	2 0	21 13	0 3	16 42	1 43	18 58	16 17	23 31	23 31	20 59	8 33	6 28
S 16	23 32	4n30	5 17	22 2	1 3	17 56	1 43	23 51	1 5	17 0	0 54	8 43	2 0	21 13	0 3	16 42	1 43	18 57	16 17	23 31	23 31	21 1	8 34	6 29
S 17	23 31	9 53	5 6	21 38	0 54	18 14	1 41	23 47	1 5	17 3	0 54	8 43	2 0	21 12	0 3	16 43	1 43	18 57	16 16	23 31	23 31	21 2	8 34	6 29
M18	23 30	14 52	4 37	21 14	0 45	18 31	1 39	23 42	1 5	17 6	0 54	8 43	2 1	21 12	0 3	16 43	1 43	18 56	16 16	23 31	23 31	21 3	8 34	6 29
T 19	23 29	19 5	3 49	20 50	0 36	18 48	1 37	23 38	1 6	17 10	0 54	8 44	2 1	21 11	0 3	16 43	1 43	18 55	16 15	23 31	23 31	21 4	8 34	6 30
W20	23 27	22 9	2 46	20 25	0 26	19 4	1 35	23 33	1 6	17 13	0 54	8 44	2 1	21 11	0 3	16 44	1 43	18 54	16 15	23 31	23 31	21 5	8 35	6 30
T 21	23 24	23 44	1 31	20 0	0 16	19 20	1 33	23 28	1 6	17 16	0 54	8 44	2 1	21 11	0 3	16 44	1 43	18 54	16 14	23 31	23 31	21 6	8 35	6 30
F 22	23 21	23 39	0 10	19 35	0 5	19 36	1 31	23 23	1 6	17 19	0 54	8 45	2 2	21 10	0 3	16 45	1 43	18 53	16 14	23 31	23 31	21 7	8 35	6 30
S 23	23 18	21 55	1s11	19 10	0s 6	19 51	1 28	23 18	1 6	17 22	0 54	8 45	2 2	21 10	0 3	16 45	1 43	18 52	16 13	23 31	23 31	21 8	8 36	6 31
S 24	23 15	18 47	2 26	18 44	0 18	20 5	1 26	23 13	1 6	17 25	0 54	8 46	2 2	21 10	0 3	16 45	1 43	18 51	16 13	23 31	23 31	21 9	8 36	6 31
M25	23 11	14 37	3 30	18 19	0 30	20 19	1 24	23 7	1 6	17 28	0 54	8 46	2 2	21 9	0 3	16 46	1 43	18 50	16 12	23 31	23 31	21 10	8 37	6 31
T 26	23 6	9 48	4 20	17 54	0 42	20 33	1 21	23 2	1 7	17 31	0 54	8 47	2 3	21 9	0 3	16 46	1 43	18 50	16 12	23 31	23 31	21 12	8 37	6 31
W27	23 1	4 39	4 54	17 30	0 54	20 46	1 19	22 56	1 7	17 34	0 55	8 48	2 3	21 9	0 3	16 47	1 43	18 49	16 12	23 31	23 31	21 13	8 38	6 32
T 28	22 56	0s32	5 13	17 6	1 7	20 58	1 17	22 50	1 7	17 37	0 55	8 48	2 3	21 8	0 3	16 47	1 43	18 48	16 11	23 31	23 31	21 14	8 38	6 32
F 29	22 51	5 33	5 16	16 42	1 20	21 10	1 14	22 44	1 7	17 39	0 55	8 49	2 3	21 8	0 3	16 47	1 43	18 47	16 11	23 31	23 31	21 15	8 38	6 32
S 30	22n45	10s14	5s 4	16n19	1s34	21n22	1s12	22n37	1n 7	17n42	0s55	8s50	2s 4	21s 8	0n 3	16n48	1s43	18n46	16n10	23s31	23s30	21s16	8s39	6n32

Julian Day Number = 2170101.5, Delta T = 12m23s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'41, Lahiri = 13°06'42 Julian Calendar 1 June 1229 == Greg. Calendar 8 June 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

JULY 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 4	15♋29'26	26♎ 8	10♌33	14♊56	23♋56	23♉ 8	12°R25	4°R44	22♉28	20♍ 3	27♐49	27♐ 5	22♏24	20°R 1	S 1
M 2	19 8 1	16°26'40	8♏ 2	11° 3	16° 8	24°35	23°19	12♓23	4♐42	22°29	20° 4	27°50	27° 1	22°31	19♒59	M 2
T 3	19 11 58	17°23'55	19°52	11°29	17°19	25°13	23°30	12°22	4°41	22°31	20° 5	27°51	26°58	22°38	19°56	T 3
W 4	19 15 54	18°21'11	1♐43	11°50	18°31	25°51	23°41	12°20	4°39	22°32	20° 6	27°53	26°55	22°44	19°54	W 4
T 5	19 19 51	19°18'26	13°38	12° 7	19°43	26°29	23°51	12°18	4°38	22°34	20° 8	27°54	26°52	22°51	19°51	T 5
F 6	19 23 47	20°15'43	25°41	12°19	20°55	27° 8	24° 2	12°16	4°36	22°35	20° 9	27°R55	26°49	22°58	19°49	F 6
S 7	19 27 44	21°12'59	7♑54	12°26	22° 7	27°46	24°12	12°14	4°35	22°36	20°10	27°55	26°45	23° 4	19°46	S 7
S 8	19 31 40	22°10'17	20°20	12°R28	23°18	28°24	24°23	12°12	4°33	22°38	20°12	27°53	26°42	23°11	19°44	S 8
M 9	19 35 37	23° 7'35	3♒ 0	12°25	24°30	29° 3	24°33	12°10	4°32	22°39	20°13	27°51	26°39	23°18	19°41	M 9
T 10	19 39 33	24° 4'54	15°55	12°17	25°42	29°41	24°44	12° 8	4°31	22°40	20°15	27°47	26°36	23°24	19°38	T 10
W11	19 43 30	25° 2'14	29° 4	12° 4	26°54	0♌19	24°54	12° 6	4°29	22°42	20°16	27°43	26°33	23°31	19°36	W11
T 12	19 47 27	25°59'35	12♓26	11°46	28° 6	0°57	25° 4	12° 3	4°28	22°43	20°17	27°39	26°30	23°38	19°33	T 12
F 13	19 51 23	26°56'57	26° 1	11°23	29°19	1°36	25°14	12° 1	4°27	22°44	20°19	27°35	26°26	23°44	19°30	F 13
S 14	19 55 20	27°54'20	9♈48	10°56	0♋31	2°14	25°23	11°58	4°26	22°45	20°21	27°33	26°23	23°51	19°28	S 14
S 15	19 59 16	28°51'44	23°46	10°23	1°43	2°52	25°33	11°55	4°25	22°46	20°22	27°D32	26°20	23°58	19°25	S 15
M16	20 3 13	29°49'10	7♉53	9°47	2°55	3°30	25°43	11°53	4°24	22°48	20°24	27°32	26°17	24° 4	19°22	M16
T 17	20 7 9	0♌46'37	22° 8	9° 7	4° 8	4° 9	25°52	11°50	4°23	22°49	20°25	27°33	26°14	24°11	19°19	T 17
W18	20 11 6	1°44'05	6♊29	8°24	5°20	4°47	26° 2	11°47	4°22	22°50	20°27	27°34	26°11	24°18	19°16	W18
T 19	20 15 2	2°41'35	20°52	7°39	6°33	5°25	26°11	11°44	4°21	22°51	20°29	27°R35	26° 7	24°24	19°13	T 19
F 20	20 18 59	3°39'06	5♋16	6°52	7°45	6° 3	26°20	11°41	4°20	22°52	20°30	27°35	26° 4	24°31	19°10	F 20
S 21	20 22 56	4°36'38	19°33	6° 4	8°58	6°41	26°29	11°38	4°19	22°53	20°32	27°33	26° 1	24°38	19° 8	S 21
S 22	20 26 52	5°34'11	3♌41	5°16	10°10	7°20	26°38	11°35	4°18	22°54	20°34	27°30	25°58	24°44	19° 5	S 22
M23	20 30 49	6°31'46	17°34	4°30	11°23	7°58	26°47	11°31	4°17	22°55	20°35	27°25	25°55	24°51	19° 2	M23
T 24	20 34 45	7°29'21	1♍10	3°44	12°36	8°36	26°55	11°28	4°17	22°56	20°37	27°19	25°51	24°58	18°59	T 24
W25	20 38 42	8°26'58	14°24	3° 2	13°49	9°14	27° 4	11°25	4°16	22°56	20°39	27°12	25°48	25° 4	18°56	W25
T 26	20 42 38	9°24'36	27°18	2°23	15° 1	9°52	27°12	11°21	4°16	22°57	20°41	27° 5	25°45	25°11	18°53	T 26
F 27	20 46 35	10°22'15	9♎51	1°49	16°14	10°31	27°20	11°18	4°15	22°58	20°43	27° 0	25°42	25°18	18°50	F 27
S 28	20 50 31	11°19'54	22° 7	1°20	17°27	11° 9	27°28	11°14	4°15	22°59	20°44	26°56	25°39	25°24	18°47	S 28
S 29	20 54 28	12°17'35	4♏10	0°57	18°40	11°47	27°36	11°10	4°14	22°59	20°46	26°54	25°36	25°31	18°44	S 29
M30	20 58 25	13°15'17	16° 4	0°40	19°53	12°25	27°44	11° 6	4°14	23° 0	20°48	26°D54	25°32	25°38	18°41	M30
T 31	21 2 21	14♌13'01	27♏54	0♌30	21♋ 6	13♌ 3	27♉52	11♓ 3	4♐13	23♉ 1	20♍50	26♐55	25♐29	25♏44	18♒38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n38	14s27	4s39	15n57	1s47	21n32	1s 9	22n31	1n 7	17n45	0s55	8s50	2s 4	21s 7	0n 3	16n48	1s43	18n45	16n10	23s31	23s30	21s17	8s39	6n32
M 2	22 31	18 3	4 2	15 36	2 1	21 43	1 7	22 24	1 7	17 48	0 55	8 51	2 4	21 7	0 3	16 48	1 43	18 45	16 9	23 31	23 30	21 18	8 40	6 33
T 3	22 24	20 54	3 15	15 16	2 14	21 52	1 4	22 17	1 7	17 50	0 55	8 52	2 4	21 7	0 3	16 49	1 43	18 44	16 9	23 31	23 30	21 19	8 41	6 33
W 4	22 17	22 52	2 20	14 56	2 28	22 1	1 1	22 10	1 7	17 53	0 55	8 53	2 5	21 7	0 3	16 49	1 43	18 43	16 9	23 31	23 30	21 20	8 41	6 33
T 5	22 9	23 49	1 18	14 39	2 42	22 10	0 59	22 3	1 8	17 56	0 55	8 54	2 5	21 6	0 3	16 49	1 43	18 42	16 8	23 31	23 30	21 21	8 42	6 33
F 6	22 0	23 40	0 12	14 22	2 55	22 18	0 56	21 56	1 8	17 58	0 55	8 55	2 5	21 6	0 3	16 50	1 43	18 41	16 8	23 31	23 30	21 22	8 42	6 33
S 7	21 51	22 23	0n55	14 8	3 9	22 25	0 53	21 48	1 8	18 1	0 55	8 56	2 5	21 6	0 3	16 50	1 43	18 40	16 7	23 31	23 30	21 23	8 43	6 34
S 8	21 42	20 1	2 0	13 54	3 22	22 32	0 51	21 40	1 8	18 3	0 55	8 57	2 6	21 6	0 3	16 50	1 44	18 39	16 7	23 31	23 30	21 24	8 44	6 34
M 9	21 33	16 38	3 1	13 43	3 34	22 38	0 48	21 33	1 8	18 6	0 55	8 58	2 6	21 5	0 3	16 51	1 44	18 38	16 7	23 31	23 30	21 25	8 44	6 34
T 10	21 23	12 25	3 54	13 34	3 47	22 43	0 45	21 25	1 8	18 8	0 55	8 59	2 6	21 5	0 3	16 51	1 44	18 37	16 6	23 31	23 30	21 26	8 45	6 34
W11	21 13	7 33	4 35	13 26	3 58	22 48	0 42	21 17	1 8	18 11	0 55	9 0	2 6	21 5	0 3	16 51	1 44	18 36	16 6	23 31	23 30	21 27	8 46	6 34
T 12	21 2	2 16	5 2	13 21	4 9	22 52	0 39	21 8	1 8	18 13	0 55	9 1	2 7	21 5	0 3	16 51	1 44	18 35	16 5	23 31	23 30	21 28	8 46	6 34
F 13	20 51	3n12	5 13	13 17	4 19	22 56	0 37	21 0	1 8	18 15	0 55	9 2	2 7	21 5	0 3	16 52	1 44	18 34	16 5	23 31	23 29	21 29	8 47	6 34
S 14	20 40	8 35	5 6	13 16	4 27	22 58	0 34	20 51	1 8	18 18	0 55	9 3	2 7	21 4	0 3	16 52	1 44	18 34	16 5	23 31	23 29	21 30	8 48	6 35
S 15	20 28	13 36	4 41	13 18	4 35	23 1	0 31	20 43	1 8	18 20	0 55	9 5	2 7	21 4	0 3	16 52	1 44	18 33	16 4	23 31	23 29	21 31	8 48	6 35
M16	20 16	17 57	3 59	13 21	4 41	23 2	0 28	20 34	1 9	18 22	0 56	9 6	2 7	21 4	0 3	16 52	1 44	18 32	16 4	23 31	23 29	21 32	8 49	6 35
T 17	20 4	21 18	3 2	13 27	4 46	23 3	0 25	20 25	1 9	18 24	0 56	9 7	2 8	21 4	0 3	16 53	1 44	18 31	16 4	23 31	23 29	21 33	8 50	6 35
W18	19 51	23 20	1 53	13 35	4 49	23 3	0 23	20 16	1 9	18 26	0 56	9 8	2 8	21 4	0 3	16 53	1 44	18 30	16 3	23 31	23 29	21 34	8 51	6 35
T 19	19 38	23 50	0 37	13 45	4 51	23 3	0 20	20 6	1 9	18 29	0 56	9 10	2 8	21 3	0 3	16 53	1 44	18 29	16 3	23 31	23 29	21 35	8 52	6 35
F 20	19 25	22 44	0s42	13 57	4 50	23 2	0 17	19 57	1 9	18 31	0 56	9 11	2 8	21 3	0 3	16 53	1 44	18 28	16 3	23 31	23 29	21 36	8 52	6 35
S 21	19 11	20 11	1 57	14 10	4 48	23 0	0 14	19 47	1 9	18 33	0 56	9 13	2 9	21 3	0 3	16 53	1 44	18 27	16 2	23 31	23 29	21 36	8 53	6 35
S 22	18 57	16 26	3 4	14 26	4 44	22 57	0 11	19 38	1 9	18 35	0 56	9 14	2 9	21 3	0 3	16 54	1 44	18 26	16 2	23 31	23 29	21 37	8 54	6 35
M23	18 43	11 51	3 58	14 42	4 39	22 54	0 9	19 28	1 9	18 37	0 56	9 15	2 9	21 3	0 3	16 54	1 44	18 25	16 2	23 31	23 29	21 38	8 55	6 35
T 24	18 28	6 46	4 38	15 0	4 31	22 50	0 6	19 18	1 9	18 38	0 56	9 17	2 9	21 3	0 3	16 54	1 44	18 24	16 1	23 31	23 28	21 39	8 56	6 35
W25	18 14	1 31	5 2	15 19	4 22	22 46	0 3	19 8	1 9	18 40	0 56	9 18	2 9	21 3	0 3	16 54	1 44	18 23	16 1	23 31	23 28	21 40	8 57	6 35
T 26	17 58	3s39	5 9	15 38	4 11	22 41	0 0	18 57	1 9	18 42	0 56	9 20	2 10	21 3	0 3	16 54	1 44	18 22	16 1	23 30	23 28	21 41	8 57	6 35
F 27	17 43	8 32	5 2	15 58	3 58	22 35	0n 2	18 47	1 9	18 44	0 56	9 21	2 10	21 2	0 3	16 54	1 44	18 21	16 0	23 30	23 28	21 42	8 58	6 35
S 28	17 27	12 59	4 40	16 17	3 45	22 29	0 5	18 37	1 9	18 46	0 56	9 23	2 10	21 2	0 3	16 55	1 45	18 20	16 0	23 30	23 28	21 43	8 59	6 35
S 29	17 11	16 50	4 7	16 37	3 30	22 22	0 8	18 26	1 9	18 47	0 56	9 25	2 10	21 2	0 3	16 55	1 45	18 19	16 0	23 30	23 28	21 44	9 0	6 35
M30	16 55	19 57	3 23	16 56	3 14	22 14	0 10	18 15	1 9	18 49	0 57	9 26	2 10	21 2	0 3	16 55	1 45	18 18	16 0	23 30	23 28	21 45	9 1	6 35
T 31	16n38	22s13	2s31	17n14	2s58	22n 5	0n13	18n 4	1n 9	18n51	0s57	9s28	2s10	21s 2	0n 2	16n55	1s45	18n17	15n59	23s30	23s28	21s45	9s 2	6n35

Julian Day Number = 2170131.5, Delta T = 12m23s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'45, Lahiri = 13°06'46 Julian Calendar 1 July 1229 == Greg. Calendar 8 July 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

AUGUST 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 6 18	15♌10'45	9♐45	0°D27	22♋19	13♌42	27♉59	10°R59	4°R13	23♉ 1	20♍52	26♐56	25♐26	25♏51	18°R35	W 1
T 2	21 10 14	16° 8'31	21°42	0♌31	23°32	14°20	28° 7	10♓55	4♐13	23° 2	20°54	26°R57	25°23	25°58	18♒32	T 2
F 3	21 14 11	17° 6'18	3♊51	0°43	24°45	14°58	28°14	10°51	4°13	23° 3	20°56	26°57	25°20	26° 4	18°28	F 3
S 4	21 18 7	18° 4'06	16°13	1° 3	25°59	15°36	28°21	10°47	4°13	23° 3	20°58	26°55	25°17	26°11	18°25	S 4
S 5	21 22 4	19° 1'55	28°53	1°31	27°12	16°14	28°28	10°43	4°12	23° 4	21° 0	26°51	25°13	26°18	18°22	S 5
M 6	21 26 0	19°59'46	11♒52	2° 7	28°25	16°53	28°35	10°39	4°D12	23° 4	21° 2	26°45	25°10	26°24	18°19	M 6
T 7	21 29 57	20°57'38	25° 9	2°50	29°39	17°31	28°41	10°34	4°12	23° 5	21° 4	26°37	25° 7	26°31	18°16	T 7
W 8	21 33 54	21°55'32	8♓42	3°40	0♌52	18° 9	28°48	10°30	4°12	23° 5	21° 6	26°28	25° 4	26°38	18°13	W 8
T 9	21 37 50	22°53'28	22°30	4°37	2° 5	18°47	28°54	10°26	4°13	23° 5	21° 8	26°19	25° 1	26°44	18°10	T 9
F 10	21 41 47	23°51'25	6♈29	5°42	3°19	19°25	29° 0	10°22	4°13	23° 6	21°10	26°10	24°57	26°51	18° 7	F 10
S 11	21 45 43	24°49'24	20°34	6°53	4°33	20° 4	29° 6	10°17	4°13	23° 6	21°12	26° 4	24°54	26°58	18° 4	S 11
S 12	21 49 40	25°47'25	4♉43	8°10	5°46	20°42	29°12	10°13	4°13	23° 6	21°14	26° 0	24°51	27° 4	18° 1	S 12
M13	21 53 36	26°45'28	18°52	9°32	7° 0	21°20	29°18	10° 8	4°14	23° 6	21°16	25°58	24°48	27°11	17°58	M13
T 14	21 57 33	27°43'33	3♊ 1	11° 0	8°13	21°58	29°23	10° 4	4°14	23° 7	21°19	25°D58	24°45	27°18	17°55	T 14
W15	22 1 29	28°41'40	17° 7	12°33	9°27	22°36	29°29	10° 0	4°14	23° 7	21°21	25°58	24°42	27°24	17°52	W15
T 16	22 5 26	29°39'49	1♋10	14°10	10°41	23°15	29°34	9°55	4°15	23° 7	21°23	25°R59	24°38	27°31	17°49	T 16
F 17	22 9 23	0♍38'01	15° 8	15°50	11°55	23°53	29°39	9°51	4°15	23° 7	21°25	25°57	24°35	27°38	17°46	F 17
S 18	22 13 19	1°36'14	29° 0	17°34	13° 9	24°31	29°44	9°46	4°16	23° 7	21°27	25°53	24°32	27°44	17°43	S 18
S 19	22 17 16	2°34'29	12♌44	19°20	14°23	25° 9	29°49	9°41	4°17	23° 7	21°29	25°47	24°29	27°51	17°40	S 19
M20	22 21 12	3°32'46	26°16	21° 9	15°37	25°47	29°53	9°37	4°17	23°R 7	21°31	25°38	24°26	27°58	17°38	M20
T 21	22 25 9	4°31'05	9♍34	22°59	16°51	26°26	29°57	9°32	4°18	23° 7	21°34	25°26	24°23	28° 4	17°35	T 21
W22	22 29 5	5°29'25	22°37	24°51	18° 5	27° 4	0♊ 2	9°28	4°19	23° 7	21°36	25°15	24°19	28°11	17°32	W22
T 23	22 33 2	6°27'47	5♎22	26°44	19°19	27°42	0° 6	9°23	4°20	23° 7	21°38	25° 3	24°16	28°18	17°29	T 23
F 24	22 36 58	7°26'12	17°51	28°38	20°33	28°20	0° 9	9°18	4°21	23° 7	21°40	24°53	24°13	28°24	17°26	F 24
S 25	22 40 55	8°24'37	0♏ 4	0♍32	21°47	28°59	0°13	9°14	4°22	23° 7	21°43	24°44	24°10	28°31	17°23	S 25
S 26	22 44 52	9°23'05	12° 5	2°26	23° 1	29°37	0°16	9° 9	4°23	23° 7	21°45	24°39	24° 7	28°38	17°21	S 26
M27	22 48 48	10°21'34	23°57	4°20	24°15	0♍15	0°20	9° 4	4°24	23° 6	21°47	24°36	24° 3	28°44	17°18	M27
T 28	22 52 45	11°20'05	5♐46	6°13	25°29	0°53	0°23	9° 0	4°25	23° 6	21°49	24°35	24° 0	28°51	17°15	T 28
W29	22 56 41	12°18'38	17°36	8° 7	26°44	1°32	0°25	8°55	4°26	23° 6	21°52	24°D34	23°57	28°58	17°13	W29
T 30	23 0 38	13°17'12	29°33	9°59	27°58	2°10	0°28	8°51	4°27	23° 5	21°54	24°R34	23°54	29° 4	17°10	T 30
F 31	23 4 34	14♍15'48	11♑43	11♍51	29♌12	2♍48	0♊31	8♓46	4♐28	23♉ 5	21♍56	24♐33	23♐51	29♏11	17♒ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n21	23s31	1s32	17n31	2s41	21n56	0n16	17n53	1n 9	18n52	0s57	9s29	2s11	21s 2	0n 2	16n55	1s45	18n16	15n59	23s30	23s28	21s46	9s 3	6n35
T 2	16 4	23 45	0 28	17 47	2 24	21 47	0 18	17 42	1 9	18 54	0 57	9 31	2 11	21 2	0 2	16 55	1 45	18 15	15 59	23 30	23 27	21 47	9 4	6 35
F 3	15 46	22 52	0n37	18 2	2 6	21 36	0 21	17 31	1 9	18 56	0 57	9 33	2 11	21 2	0 2	16 55	1 45	18 14	15 59	23 30	23 27	21 48	9 5	6 35
S 4	15 29	20 52	1 42	18 15	1 48	21 25	0 23	17 20	1 9	18 57	0 57	9 34	2 11	21 2	0 2	16 55	1 45	18 13	15 58	23 30	23 27	21 49	9 6	6 35
S 5	15 11	17 48	2 43	18 26	1 31	21 14	0 26	17 8	1 9	18 58	0 57	9 36	2 11	21 2	0 2	16 55	1 45	18 12	15 58	23 30	23 27	21 50	9 7	6 35
M 6	14 53	13 50	3 37	18 35	1 13	21 2	0 28	16 57	1 9	19 0	0 57	9 38	2 11	21 2	0 2	16 55	1 45	18 11	15 58	23 30	23 27	21 51	9 8	6 35
T 7	14 34	9 6	4 21	18 42	0 56	20 49	0 31	16 45	1 9	19 1	0 57	9 40	2 11	21 2	0 2	16 55	1 45	18 10	15 58	23 30	23 27	21 51	9 9	6 35
W 8	14 15	3 51	4 51	18 46	0 40	20 35	0 33	16 33	1 9	19 3	0 57	9 41	2 12	21 2	0 2	16 55	1 45	18 9	15 57	23 29	23 27	21 52	9 10	6 35
T 9	13 57	1n40	5 4	18 48	0 24	20 21	0 36	16 21	1 9	19 4	0 57	9 43	2 12	21 2	0 2	16 56	1 45	18 8	15 57	23 29	23 27	21 53	9 11	6 35
F 10	13 37	7 10	5 0	18 47	0 9	20 7	0 38	16 9	1 9	19 5	0 57	9 45	2 12	21 2	0 2	16 56	1 45	18 7	15 57	23 29	23 27	21 54	9 12	6 35
S 11	13 18	12 21	4 38	18 43	0n 6	19 51	0 40	15 57	1 9	19 6	0 58	9 47	2 12	21 2	0 2	16 56	1 45	18 6	15 57	23 29	23 26	21 55	9 13	6 35
S 12	12 59	16 53	3 59	18 37	0 19	19 36	0 42	15 45	1 9	19 8	0 58	9 48	2 12	21 2	0 2	16 56	1 45	18 5	15 57	23 29	23 26	21 55	9 13	6 35
M13	12 39	20 28	3 5	18 27	0 32	19 19	0 45	15 33	1 9	19 9	0 58	9 50	2 12	21 2	0 2	16 56	1 45	18 4	15 56	23 29	23 26	21 56	9 14	6 35
T 14	12 19	22 48	1 59	18 14	0 44	19 2	0 47	15 20	1 9	19 10	0 58	9 52	2 12	21 2	0 2	16 56	1 45	18 3	15 56	23 29	23 26	21 57	9 15	6 35
W15	11 59	23 42	0 47	17 59	0 54	18 45	0 49	15 8	1 9	19 11	0 58	9 54	2 12	21 3	0 2	16 56	1 46	18 2	15 56	23 29	23 26	21 58	9 16	6 34
T 16	11 38	23 4	0s28	17 40	1 4	18 27	0 51	14 55	1 9	19 12	0 58	9 56	2 13	21 3	0 2	16 56	1 46	18 1	15 56	23 29	23 26	21 59	9 18	6 34
F 17	11 18	21 1	1 40	17 19	1 13	18 8	0 53	14 42	1 9	19 13	0 58	9 57	2 13	21 3	0 2	16 56	1 46	18 0	15 56	23 29	23 26	21 59	9 19	6 34
S 18	10 57	17 44	2 46	16 55	1 21	17 49	0 55	14 29	1 9	19 14	0 58	9 59	2 13	21 3	0 2	16 56	1 46	17 59	15 56	23 28	23 26	22 0	9 20	6 34
S 19	10 36	13 31	3 42	16 28	1 27	17 30	0 57	14 17	1 9	19 15	0 58	10 1	2 13	21 3	0 2	16 55	1 46	17 58	15 56	23 28	23 25	22 1	9 21	6 34
M20	10 15	8 40	4 24	15 59	1 33	17 9	0 59	14 4	1 9	19 16	0 58	10 3	2 13	21 3	0 2	16 55	1 46	17 57	15 55	23 28	23 25	22 2	9 22	6 34
T 21	9 54	3 31	4 51	15 27	1 38	16 49	1 1	13 50	1 9	19 16	0 58	10 5	2 13	21 3	0 2	16 55	1 46	17 56	15 55	23 28	23 25	22 2	9 23	6 34
W22	9 32	1s40	5 2	14 53	1 42	16 28	1 2	13 37	1 9	19 17	0 59	10 7	2 13	21 3	0 2	16 55	1 46	17 55	15 55	23 27	23 25	22 3	9 24	6 33
T 23	9 11	6 41	4 57	14 18	1 45	16 6	1 4	13 24	1 9	19 18	0 59	10 8	2 13	21 4	0 2	16 55	1 46	17 54	15 55	23 27	23 25	22 4	9 25	6 33
F 24	8 49	11 19	4 38	13 40	1 47	15 44	1 6	13 11	1 9	19 19	0 59	10 10	2 13	21 4	0 2	16 55	1 46	17 53	15 55	23 26	23 25	22 5	9 26	6 33
S 25	8 27	15 24	4 7	13 1	1 48	15 22	1 7	12 57	1 9	19 19	0 59	10 12	2 13	21 4	0 2	16 55	1 46	17 52	15 55	23 26	23 25	22 5	9 27	6 33
S 26	8 5	18 47	3 25	12 20	1 49	14 59	1 9	12 44	1 9	19 20	0 59	10 14	2 13	21 4	0 2	16 55	1 46	17 51	15 55	23 26	23 24	22 6	9 28	6 33
M27	7 43	21 20	2 35	11 39	1 49	14 36	1 10	12 30	1 9	19 21	0 59	10 16	2 13	21 4	0 2	16 55	1 46	17 50	15 55	23 26	23 24	22 7	9 29	6 32
T 28	7 21	22 58	1 38	10 56	1 48	14 12	1 12	12 16	1 9	19 21	0 59	10 17	2 13	21 5	0 2	16 55	1 46	17 49	15 55	23 26	23 24	22 7	9 30	6 32
W29	6 58	23 34	0 37	10 12	1 46	13 48	1 13	12 3	1 9	19 22	0 59	10 19	2 14	21 5	0 2	16 55	1 46	17 48	15 55	23 26	23 24	22 8	9 31	6 32
T 30	6 36	23 6	0n26	9 28	1 44	13 24	1 14	11 49	1 9	19 22	0 59	10 21	2 14	21 5	0 2	16 54	1 46	17 47	15 55	23 26	23 24	22 9	9 32	6 32
F 31	6n13	21s32	1n30	8n43	1n42	12n59	1n16	11n35	1n 9	19n22	0s59	10s23	2s14	21s 5	0n 2	16n54	1s46	17n46	15n55	23s26	23s24	22s 9	9s33	6n32

Julian Day Number = 2170162.5, Delta T = 12m23s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'50, Lahiri = 13°06'50 Julian Calendar 1 Aug. 1229 == Greg. Calendar 8 Aug. 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

SEPTEMBER 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 31	15♍14'26	24♑10	13♍43	0♍27	3♍26	0♊33	8°R41	4♐30	23°R 5	21♍58	24°R30	23♐48	29♏18	17°R 5	S 1
S 2	23 12 27	16°13'05	6♒57	15°33	1°41	4° 5	0°35	8♓37	4°31	23♉ 4	22° 1	24♐25	23°44	29°24	17♒ 2	S 2
M 3	23 16 24	17°11'46	20° 9	17°23	2°56	4°43	0°37	8°32	4°32	23° 4	22° 3	24°17	23°41	29°31	17° 0	M 3
T 4	23 20 21	18°10'29	3♓44	19°12	4°10	5°21	0°39	8°28	4°34	23° 3	22° 5	24° 6	23°38	29°38	16°57	T 4
W 5	23 24 17	19° 9'14	17°40	20°59	5°25	6° 0	0°40	8°23	4°35	23° 3	22° 7	23°55	23°35	29°44	16°55	W 5
T 6	23 28 14	20° 8'01	1♈54	22°46	6°39	6°38	0°41	8°19	4°37	23° 2	22°10	23°43	23°32	29°51	16°52	T 6
F 7	23 32 10	21° 6'51	16°20	24°32	7°54	7°16	0°42	8°14	4°38	23° 2	22°12	23°32	23°28	29°57	16°50	F 7
S 8	23 36 7	22° 5'42	0♉51	26°17	9° 8	7°55	0°43	8°10	4°40	23° 1	22°14	23°23	23°25	0♐ 4	16°48	S 8
S 9	23 40 3	23° 4'35	15°20	28° 2	10°23	8°33	0°44	8° 5	4°42	23° 0	22°17	23°17	23°22	0°11	16°46	S 9
M10	23 44 0	24° 3'31	29°44	29°45	11°38	9°11	0°45	8° 1	4°43	23° 0	22°19	23°14	23°19	0°17	16°43	M10
T 11	23 47 56	25° 2'30	13♊58	1♎27	12°52	9°50	0°45	7°57	4°45	22°59	22°21	23°13	23°16	0°24	16°41	T 11
W12	23 51 53	26° 1'31	28° 1	3° 9	14° 7	10°28	0°R45	7°52	4°47	22°58	22°23	23°13	23°13	0°31	16°39	W12
T 13	23 55 49	27° 0'34	11♋54	4°49	15°22	11° 6	0°45	7°48	4°49	22°57	22°26	23°12	23° 9	0°37	16°37	T 13
F 14	23 59 46	27°59'39	25°35	6°29	16°37	11°45	0°45	7°44	4°51	22°57	22°28	23°10	23° 6	0°44	16°35	F 14
S 15	0 3 43	28°58'47	9♌ 5	8° 8	17°51	12°23	0°44	7°40	4°53	22°56	22°30	23° 6	23° 3	0°51	16°33	S 15
S 16	0 7 39	29°57'57	22°25	9°46	19° 6	13° 1	0°44	7°36	4°55	22°55	22°33	22°58	23° 0	0°57	16°31	S 16
M17	0 11 36	0♎57'09	5♍34	11°23	20°21	13°40	0°43	7°32	4°57	22°54	22°35	22°48	22°57	1° 4	16°29	M17
T 18	0 15 32	1°56'24	18°31	13° 0	21°36	14°18	0°42	7°28	4°59	22°53	22°37	22°35	22°54	1°11	16°27	T 18
W19	0 19 29	2°55'40	1♎16	14°35	22°51	14°57	0°40	7°24	5° 1	22°52	22°39	22°22	22°50	1°17	16°25	W19
T 20	0 23 25	3°54'59	13°47	16°10	24° 6	15°35	0°39	7°20	5° 3	22°51	22°42	22° 9	22°47	1°24	16°24	T 20
F 21	0 27 22	4°54'19	26° 6	17°44	25°21	16°14	0°37	7°16	5° 5	22°50	22°44	21°57	22°44	1°31	16°22	F 21
S 22	0 31 18	5°53'42	8♏13	19°18	26°36	16°52	0°35	7°12	5° 8	22°49	22°46	21°47	22°41	1°37	16°20	S 22
S 23	0 35 15	6°53'07	20° 9	20°50	27°51	17°30	0°33	7° 8	5°10	22°48	22°48	21°40	22°38	1°44	16°19	S 23
M24	0 39 12	7°52'33	1♐59	22°22	29° 6	18° 9	0°31	7° 5	5°12	22°47	22°51	21°36	22°34	1°51	16°17	M24
T 25	0 43 8	8°52'02	13°45	23°54	0♎21	18°47	0°28	7° 1	5°15	22°46	22°53	21°34	22°31	1°57	16°16	T 25
W26	0 47 5	9°51'32	25°34	25°24	1°36	19°26	0°25	6°58	5°17	22°45	22°55	21°D34	22°28	2° 4	16°14	W26
T 27	0 51 1	10°51'05	7♑29	26°54	2°51	20° 4	0°23	6°54	5°19	22°44	22°57	21°R35	22°25	2°11	16°13	T 27
F 28	0 54 58	11°50'38	19°36	28°23	4° 6	20°43	0°19	6°51	5°22	22°43	22°59	21°34	22°22	2°17	16°11	F 28
S 29	0 58 54	12°50'14	2♒ 2	29°52	5°21	21°21	0°16	6°48	5°24	22°41	23° 2	21°33	22°19	2°24	16°10	S 29
S 30	1 2 51	13♎49'52	14♒50	1♏19	6♎37	22♍ 0	0♊13	6♓44	5♐27	22♉40	23♍ 4	21♐29	22♐15	2♐31	16♒ 9	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n50	18s55	2n30	7n57	1n39	12n33	1n17	11n21	1n 9	19n23	0s59	10s24	2s14	21s 6	0n 2	16n54	1s46	17n45	15n55	23s25	23s24	22s10	9s34	6n31
S 2	5 28	15 19	3 24	7 11	1 35	12 8	1 18	11 7	1 9	19 23	1 0	10 26	2 14	21 6	0 2	16 54	1 47	17 44	15 55	23 25	23 23	22 11	9 35	6 31
M 3	5 5	10 53	4 9	6 24	1 31	11 42	1 19	10 53	1 8	19 24	1 0	10 28	2 14	21 6	0 2	16 54	1 47	17 44	15 55	23 25	23 23	22 12	9 36	6 31
T 4	4 42	5 48	4 42	5 38	1 27	11 16	1 20	10 39	1 8	19 24	1 0	10 30	2 14	21 6	0 2	16 54	1 47	17 43	15 55	23 24	23 23	22 12	9 37	6 31
W 5	4 19	0 19	4 59	4 51	1 23	10 49	1 21	10 25	1 8	19 24	1 0	10 31	2 14	21 7	0 2	16 53	1 47	17 42	15 55	23 24	23 23	22 13	9 38	6 30
T 6	3 55	5n18	4 57	4 4	1 18	10 22	1 22	10 10	1 8	19 24	1 0	10 33	2 14	21 7	0 2	16 53	1 47	17 41	15 55	23 23	23 23	22 14	9 38	6 30
F 7	3 32	10 43	4 37	3 17	1 12	9 55	1 23	9 56	1 8	19 24	1 0	10 35	2 14	21 7	0 2	16 53	1 47	17 40	15 55	23 23	23 23	22 14	9 39	6 30
S 8	3 9	15 33	3 59	2 30	1 7	9 28	1 23	9 41	1 8	19 24	1 0	10 36	2 14	21 8	0 2	16 53	1 47	17 39	15 55	23 22	23 22	22 15	9 40	6 29
S 9	2 46	19 28	3 6	1 43	1 1	9 0	1 24	9 27	1 8	19 25	1 0	10 38	2 14	21 8	0 2	16 53	1 47	17 38	15 55	23 22	23 22	22 15	9 41	6 29
M10	2 22	22 9	2 1	0 57	0 55	8 32	1 25	9 12	1 8	19 25	1 0	10 40	2 14	21 8	0 2	16 52	1 47	17 37	15 55	23 22	23 22	22 16	9 42	6 29
T 11	1 59	23 23	0 49	0 10	0 49	8 4	1 25	8 58	1 8	19 25	1 0	10 41	2 14	21 9	0 2	16 52	1 47	17 36	15 55	23 22	23 22	22 17	9 43	6 29
W12	1 35	23 6	0s25	0s36	0 43	7 35	1 26	8 43	1 8	19 24	1 0	10 43	2 14	21 9	0 2	16 52	1 47	17 36	15 55	23 22	23 22	22 17	9 44	6 28
T 13	1 12	21 24	1 37	1 22	0 37	7 7	1 26	8 28	1 8	19 24	1 1	10 45	2 14	21 9	0 2	16 52	1 47	17 35	15 55	23 22	23 22	22 18	9 45	6 28
F 14	0 48	18 27	2 42	2 7	0 30	6 38	1 26	8 14	1 8	19 24	1 1	10 46	2 14	21 10	0 2	16 52	1 47	17 34	15 55	23 22	23 22	22 19	9 46	6 28
S 15	0 24	14 34	3 37	2 53	0 23	6 9	1 27	7 59	1 7	19 24	1 1	10 48	2 14	21 10	0 2	16 51	1 47	17 33	15 55	23 21	23 21	22 19	9 47	6 27
S 16	0 1	10 0	4 19	3 38	0 17	5 39	1 27	7 44	1 7	19 24	1 1	10 49	2 13	21 10	0 2	16 51	1 47	17 32	15 55	23 21	23 21	22 20	9 48	6 27
M17	0s23	5 3	4 47	4 22	0 10	5 10	1 27	7 29	1 7	19 24	1 1	10 51	2 13	21 11	0 2	16 51	1 47	17 31	15 55	23 21	23 21	22 20	9 49	6 27
T 18	0 46	0s 2	5 0	5 6	0 3	4 40	1 27	7 14	1 7	19 23	1 1	10 52	2 13	21 11	0 2	16 50	1 47	17 31	15 55	23 20	23 21	22 21	9 49	6 26
W19	1 10	5 2	4 57	5 50	0s 4	4 11	1 27	6 59	1 7	19 23	1 1	10 54	2 13	21 12	0 2	16 50	1 47	17 30	15 56	23 19	23 21	22 21	9 50	6 26
T 20	1 34	9 45	4 40	6 33	0 11	3 41	1 27	6 44	1 7	19 23	1 1	10 55	2 13	21 12	0 2	16 50	1 47	17 29	15 56	23 18	23 21	22 22	9 51	6 26
F 21	1 57	13 59	4 10	7 16	0 18	3 11	1 27	6 29	1 7	19 22	1 1	10 56	2 13	21 12	0 2	16 50	1 47	17 28	15 56	23 18	23 20	22 23	9 52	6 25
S 22	2 21	17 35	3 29	7 58	0 25	2 41	1 27	6 14	1 7	19 22	1 1	10 58	2 13	21 13	0 2	16 49	1 47	17 28	15 56	23 17	23 20	22 23	9 53	6 25
S 23	2 45	20 24	2 39	8 40	0 32	2 11	1 26	5 59	1 7	19 21	1 1	10 59	2 13	21 13	0 2	16 49	1 48	17 27	15 56	23 17	23 20	22 24	9 54	6 24
M24	3 8	22 19	1 42	9 21	0 39	1 40	1 26	5 43	1 6	19 21	1 1	11 0	2 13	21 14	0 2	16 49	1 48	17 26	15 56	23 16	23 20	22 24	9 54	6 24
T 25	3 32	23 14	0 41	10 1	0 46	1 10	1 26	5 28	1 6	19 20	1 1	11 2	2 13	21 14	0 2	16 48	1 48	17 25	15 57	23 16	23 20	22 25	9 55	6 24
W26	3 55	23 7	0n21	10 41	0 53	0 40	1 25	5 13	1 6	19 19	1 1	11 3	2 13	21 14	0 2	16 48	1 48	17 25	15 57	23 16	23 19	22 25	9 56	6 23
T 27	4 19	21 56	1 24	11 20	1 0	0 9	1 25	4 58	1 6	19 19	1 2	11 4	2 13	21 15	0 2	16 48	1 48	17 24	15 57	23 16	23 19	22 26	9 57	6 23
F 28	4 42	19 44	2 24	11 59	1 7	0s21	1 24	4 42	1 6	19 18	1 2	11 5	2 13	21 15	0 2	16 47	1 48	17 23	15 57	23 16	23 19	22 26	9 58	6 23
S 29	5 5	16 34	3 18	12 37	1 13	0 52	1 23	4 27	1 6	19 17	1 2	11 6	2 13	21 16	0 2	16 47	1 48	17 23	15 57	23 16	23 19	22 27	9 58	6 22
S 30	5s29	12s34	4n 4	13s14	1s20	1s22	1n23	4n11	1n 6	19n16	1s 2	11s 7	2s12	21s16	0n 2	16n47	1s48	17n22	15n58	23s16	23s19	22s27	9s59	6n22

Julian Day Number = 2170193.5, Delta T = 12m23s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'54, Lahiri = 13°06'54 Julian Calendar 1 Sept. 1229 == Greg. Calendar 8 Sept. 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

OCTOBER 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 6 47	14♎49'31	28♒ 4	2♏46	7♎52	22♍38	0°R 9	6°R41	5♐30	22°R39	23♍ 6	21°R22	22♐12	2♐37	16°R 8	M 1
T 2	1 10 44	15°49'12	11♓46	4°13	9° 7	23°17	0♊ 5	6♓38	5°32	22♉38	23° 8	21♐14	22° 9	2°44	16♒ 7	T 2
W 3	1 14 41	16°48'55	25°54	5°38	10°22	23°55	0° 1	6°35	5°35	22°36	23°10	21° 4	22° 6	2°51	16° 6	W 3
T 4	1 18 37	17°48'39	10♈26	7° 3	11°37	24°34	29♉57	6°32	5°38	22°35	23°12	20°53	22° 3	2°57	16° 5	T 4
F 5	1 22 34	18°48'26	25°14	8°27	12°52	25°13	29°53	6°29	5°40	22°34	23°15	20°44	21°59	3° 4	16° 4	F 5
S 6	1 26 30	19°48'15	10♉ 9	9°50	14° 8	25°51	29°48	6°27	5°43	22°32	23°17	20°36	21°56	3°10	16° 3	S 6
S 7	1 30 27	20°48'06	25° 4	11°12	15°23	26°30	29°43	6°24	5°46	22°31	23°19	20°31	21°53	3°17	16° 2	S 7
M 8	1 34 23	21°47'59	9♊49	12°33	16°38	27° 8	29°38	6°22	5°49	22°30	23°21	20°29	21°50	3°24	16° 1	M 8
T 9	1 38 20	22°47'55	24°20	13°53	17°53	27°47	29°33	6°19	5°52	22°28	23°23	20°D29	21°47	3°30	16° 1	T 9
W10	1 42 16	23°47'52	8♋34	15°12	19° 9	28°26	29°28	6°17	5°55	22°27	23°25	20°29	21°44	3°37	16° 0	W10
T 11	1 46 13	24°47'52	22°28	16°30	20°24	29° 4	29°23	6°14	5°58	22°25	23°27	20°R30	21°40	3°44	16° 0	T 11
F 12	1 50 10	25°47'54	6♌ 4	17°47	21°39	29°43	29°17	6°12	6° 1	22°24	23°29	20°29	21°37	3°50	15°59	F 12
S 13	1 54 6	26°47'59	19°23	19° 2	22°55	0♎21	29°11	6°10	6° 4	22°22	23°31	20°27	21°34	3°57	15°59	S 13
S 14	1 58 3	27°48'05	2♍27	20°15	24°10	1° 0	29° 5	6° 8	6° 7	22°21	23°33	20°22	21°31	4° 4	15°58	S 14
M15	2 1 59	28°48'13	15°17	21°27	25°25	1°39	28°59	6° 6	6°10	22°19	23°35	20°15	21°28	4°10	15°58	M15
T 16	2 5 56	29°48'24	27°55	22°37	26°41	2°17	28°53	6° 4	6°13	22°18	23°37	20° 6	21°25	4°17	15°58	T 16
W17	2 9 52	0♏48'36	10♎21	23°45	27°56	2°56	28°47	6° 3	6°16	22°16	23°39	19°57	21°21	4°24	15°58	W17
T 18	2 13 49	1°48'51	22°37	24°50	29°11	3°35	28°40	6° 1	6°19	22°15	23°41	19°47	21°18	4°30	15°58	T 18
F 19	2 17 45	2°49'07	4♏44	25°53	0♏27	4°14	28°34	6° 0	6°22	22°13	23°43	19°39	21°15	4°37	15°D57	F 19
S 20	2 21 42	3°49'25	16°42	26°53	1°42	4°52	28°27	5°58	6°26	22°12	23°44	19°32	21°12	4°44	15°58	S 20
S 21	2 25 38	4°49'45	28°34	27°49	2°57	5°31	28°20	5°57	6°29	22°10	23°46	19°27	21° 9	4°50	15°58	S 21
M22	2 29 35	5°50'07	10♐21	28°42	4°13	6°10	28°13	5°56	6°32	22° 8	23°48	19°25	21° 5	4°57	15°58	M22
T 23	2 33 32	6°50'30	22° 7	29°31	5°28	6°49	28° 6	5°55	6°35	22° 7	23°50	19°D25	21° 2	5° 4	15°58	T 23
W24	2 37 28	7°50'55	3♑55	0♐14	6°44	7°27	27°59	5°54	6°39	22° 5	23°52	19°26	20°59	5°10	15°58	W24
T 25	2 41 25	8°51'21	15°49	0°53	7°59	8° 6	27°51	5°53	6°42	22° 3	23°53	19°27	20°56	5°17	15°59	T 25
F 26	2 45 21	9°51'48	27°55	1°25	9°15	8°45	27°44	5°52	6°45	22° 2	23°55	19°29	20°53	5°23	15°59	F 26
S 27	2 49 18	10°52'17	10♒16	1°51	10°30	9°24	27°37	5°51	6°49	22° 0	23°57	19°R29	20°50	5°30	15°59	S 27
S 28	2 53 14	11°52'48	22°59	2°10	11°45	10° 3	27°29	5°51	6°52	21°59	23°59	19°29	20°46	5°37	16° 0	S 28
M29	2 57 11	12°53'19	6♓ 8	2°21	13° 1	10°41	27°21	5°50	6°55	21°57	24° 0	19°26	20°43	5°43	16° 1	M29
T 30	3 1 7	13°53'52	19°44	2°R22	14°16	11°20	27°14	5°50	6°59	21°55	24° 2	19°23	20°40	5°50	16° 1	T 30
W31	3 5 4	14♏54'26	3♈50	2♐15	15♏32	11♎59	27♉ 6	5♓50	7♐ 2	21♉54	24♍ 4	19♐18	20♐37	5♐57	16♒ 2	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5 s52	7 s50	4n39	13 s50	1 s26	1 s53	1n22	3n56	1n 5	19n16	1 s 2	11 s 8	2 s12	21 s17	0n 2	16n46	1 s48	17n21	15n58	23 s15	23 s19	22 s28	10 s 0	6n21
T 2	6 15	2 34	5 0	14 26	1 33	2 23	1 21	3 41	1 5	19 15	1 2	11 10	2 12	21 17	0 2	16 46	1 48	17 21	15 58	23 15	23 18	22 28	10 0	6 21
W 3	6 38	2n59	5 3	15 1	1 39	2 54	1 20	3 25	1 5	19 14	1 2	11 11	2 12	21 18	0 2	16 46	1 48	17 20	15 58	23 14	23 18	22 29	10 1	6 21
T 4	7 1	8 32	4 46	15 35	1 45	3 24	1 19	3 10	1 5	19 13	1 2	11 12	2 12	21 18	0 2	16 45	1 48	17 19	15 58	23 13	23 18	22 29	10 2	6 20
F 5	7 24	13 41	4 11	16 8	1 51	3 54	1 18	2 54	1 5	19 12	1 2	11 12	2 12	21 19	0 2	16 45	1 48	17 19	15 59	23 13	23 18	22 30	10 2	6 20
S 6	7 47	18 3	3 18	16 40	1 57	4 25	1 17	2 39	1 5	19 11	1 2	11 13	2 12	21 19	0 2	16 45	1 48	17 18	15 59	23 12	23 18	22 30	10 3	6 19
S 7	8 9	21 14	2 12	17 12	2 3	4 55	1 16	2 23	1 4	19 10	1 2	11 14	2 12	21 20	0 2	16 44	1 48	17 17	15 59	23 12	23 17	22 31	10 4	6 19
M 8	8 32	22 57	0 57	17 42	2 8	5 25	1 15	2 8	1 4	19 9	1 2	11 15	2 12	21 20	0 2	16 44	1 48	17 17	16 0	23 12	23 17	22 31	10 4	6 19
T 9	8 54	23 4	0s21	18 12	2 13	5 55	1 13	1 52	1 4	19 8	1 2	11 16	2 11	21 21	0 2	16 43	1 48	17 16	16 0	23 12	23 17	22 32	10 5	6 18
W10	9 16	21 40	1 36	18 40	2 18	6 25	1 12	1 36	1 4	19 7	1 2	11 17	2 11	21 21	0 2	16 43	1 48	17 16	16 0	23 12	23 17	22 32	10 5	6 18
T 11	9 39	18 59	2 43	19 7	2 23	6 55	1 11	1 21	1 4	19 5	1 2	11 17	2 11	21 22	0 2	16 43	1 48	17 15	16 0	23 12	23 17	22 33	10 6	6 17
F 12	10 1	15 17	3 40	19 33	2 27	7 24	1 9	1 5	1 4	19 4	1 2	11 18	2 11	21 22	0 2	16 42	1 48	17 15	16 1	23 12	23 16	22 33	10 6	6 17
S 13	10 22	10 54	4 23	19 58	2 31	7 54	1 8	0 50	1 3	19 3	1 2	11 19	2 11	21 23	0 2	16 42	1 48	17 14	16 1	23 12	23 16	22 34	10 7	6 17
S 14	10 44	6 6	4 52	20 22	2 35	8 23	1 6	0 34	1 3	19 2	1 2	11 19	2 11	21 23	0 2	16 41	1 48	17 14	16 1	23 11	23 16	22 34	10 7	6 16
M15	11 6	1 8	5 6	20 45	2 38	8 52	1 5	0 18	1 3	19 0	1 2	11 20	2 11	21 24	0 2	16 41	1 48	17 13	16 2	23 11	23 16	22 34	10 8	6 16
T 16	11 27	3 s49	5 4	21 6	2 41	9 21	1 3	0 3	1 3	18 59	1 2	11 20	2 11	21 25	0 2	16 41	1 48	17 13	16 2	23 10	23 16	22 35	10 8	6 15
W17	11 48	8 31	4 48	21 25	2 43	9 49	1 2	0 s13	1 3	18 58	1 2	11 21	2 10	21 25	0 2	16 40	1 48	17 12	16 2	23 9	23 15	22 35	10 9	6 15
T 18	12 9	12 50	4 18	21 43	2 45	10 18	1 0	0 29	1 2	18 56	1 2	11 21	2 10	21 26	0 2	16 40	1 48	17 12	16 3	23 9	23 15	22 36	10 9	6 14
F 19	12 30	16 34	3 38	22 0	2 46	10 46	0 58	0 44	1 2	18 55	1 2	11 22	2 10	21 26	0 2	16 39	1 48	17 11	16 3	23 8	23 15	22 36	10 10	6 14
S 20	12 51	19 34	2 48	22 15	2 47	11 14	0 56	1 0	1 2	18 53	1 2	11 22	2 10	21 27	0 2	16 39	1 48	17 11	16 3	23 7	23 15	22 36	10 10	6 14
S 21	13 11	21 43	1 51	22 28	2 47	11 42	0 54	1 15	1 2	18 52	1 2	11 23	2 10	21 27	0 2	16 38	1 48	17 11	16 4	23 7	23 15	22 37	10 11	6 13
M22	13 31	22 54	0 49	22 39	2 46	12 9	0 53	1 31	1 2	18 50	1 2	11 23	2 10	21 28	0 2	16 38	1 48	17 10	16 4	23 7	23 14	22 37	10 11	6 13
T 23	13 51	23 3	0n15	22 48	2 44	12 36	0 51	1 47	1 1	18 49	1 2	11 23	2 9	21 28	0 2	16 38	1 48	17 10	16 5	23 7	23 14	22 38	10 11	6 12
W24	14 11	22 11	1 18	22 55	2 42	13 3	0 49	2 2	1 1	18 47	1 2	11 23	2 9	21 29	0 2	16 37	1 48	17 9	16 5	23 7	23 14	22 38	10 12	6 12
T 25	14 31	20 18	2 19	23 0	2 38	13 29	0 47	2 18	1 1	18 46	1 2	11 24	2 9	21 30	0 2	16 37	1 48	17 9	16 5	23 7	23 14	22 38	10 12	6 11
F 26	14 50	17 29	3 14	23 2	2 34	13 56	0 45	2 33	1 1	18 44	1 2	11 24	2 9	21 30	0 2	16 36	1 48	17 9	16 6	23 7	23 13	22 39	10 12	6 11
S 27	15 9	13 51	4 2	23 2	2 28	14 21	0 43	2 49	1 0	18 42	1 2	11 24	2 9	21 31	0 2	16 36	1 48	17 8	16 6	23 7	23 13	22 39	10 12	6 11
S 28	15 28	9 30	4 40	22 59	2 21	14 47	0 41	3 4	1 0	18 41	1 2	11 24	2 9	21 31	0 2	16 35	1 48	17 8	16 7	23 7	23 13	22 39	10 13	6 10
M29	15 46	4 35	5 4	22 53	2 13	15 12	0 39	3 20	1 0	18 39	1 2	11 24	2 8	21 32	0 2	16 35	1 48	17 8	16 7	23 7	23 13	22 40	10 13	6 10
T 30	16 5	0n42	5 12	22 44	2 3	15 37	0 36	3 35	1 0	18 37	1 2	11 24	2 8	21 32	0 2	16 35	1 48	17 8	16 7	23 7	23 13	22 40	10 13	6 9
W31	16 s23	6n 9	5n 2	22 s31	1 s52	16 s 1	0n34	3 s51	0n59	18n36	1 s 1	11 s24	2 s 8	21 s33	0n 1	16n34	1 s48	17n 7	16n 8	23 s 6	23 s12	22 s40	10 s13	6n 9

Julian Day Number = 2170223.5, Delta T = 12m23s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°59'58, Lahiri = 13°06'58 Julian Calendar 1 Oct. 1229 == Greg. Calendar 8 Oct. 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

NOVEMBER 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 1	15♏55'01	18♈23	1°R57	16♏47	12♎38	26°R58	5°R49	7♐ 6	21°R52	24♍ 5	19°R12	20♐34	6♐ 3	16♒ 3	T 1
F 2	3 12 57	16°55'38	3♉18	1♐29	18° 3	13°17	26♉50	5°D49	7° 9	21♉50	24° 7	19♐ 8	20°31	6°10	16° 4	F 2
S 3	3 16 54	17°56'16	18°26	0°50	19°18	13°56	26°42	5♓49	7°13	21°48	24° 8	19° 4	20°27	6°17	16° 4	S 3
S 4	3 20 50	18°56'56	3♊39	0° 0	20°33	14°35	26°34	5°50	7°16	21°47	24°10	19° 1	20°24	6°23	16° 5	S 4
M 5	3 24 47	19°57'37	18°45	29♏ 1	21°49	15°14	26°26	5°50	7°20	21°45	24°11	19°D 1	20°21	6°30	16° 6	M 5
T 6	3 28 43	20°58'20	3♋37	27°53	23° 4	15°52	26°18	5°50	7°23	21°43	24°13	19° 1	20°18	6°37	16° 8	T 6
W 7	3 32 40	21°59'05	18° 9	26°39	24°20	16°31	26°10	5°51	7°27	21°42	24°14	19° 3	20°15	6°43	16° 9	W 7
T 8	3 36 37	22°59'51	2♌17	25°19	25°35	17°10	26° 1	5°51	7°30	21°40	24°16	19° 4	20°11	6°50	16°10	T 8
F 9	3 40 33	24° 0'38	16° 1	23°56	26°51	17°49	25°53	5°52	7°34	21°38	24°17	19° 5	20° 8	6°57	16°11	F 9
S 10	3 44 30	25° 1'27	29°20	22°35	28° 6	18°28	25°45	5°53	7°38	21°37	24°18	19°R 5	20° 5	7° 3	16°12	S 10
S 11	3 48 26	26° 2'18	12♍19	21°16	29°22	19° 7	25°37	5°54	7°41	21°35	24°20	19° 4	20° 2	7°10	16°14	S 11
M12	3 52 23	27° 3'10	24°59	20° 3	0♐37	19°46	25°29	5°55	7°45	21°33	24°21	19° 2	19°59	7°17	16°15	M12
T 13	3 56 19	28° 4'03	7♎24	18°58	1°52	20°25	25°21	5°56	7°48	21°31	24°22	18°59	19°56	7°23	16°17	T 13
W14	4 0 16	29° 4'58	19°37	18° 2	3° 8	21° 4	25°12	5°57	7°52	21°30	24°24	18°56	19°52	7°30	16°18	W14
T 15	4 4 12	0♐ 5'54	1♏41	17°17	4°23	21°43	25° 4	5°59	7°56	21°28	24°25	18°53	19°49	7°36	16°20	T 15
F 16	4 8 9	1° 6'51	13°37	16°44	5°39	22°22	24°56	6° 0	7°59	21°26	24°26	18°50	19°46	7°43	16°22	F 16
S 17	4 12 5	2° 7'49	25°28	16°22	6°54	23° 1	24°48	6° 2	8° 3	21°25	24°27	18°48	19°43	7°50	16°23	S 17
S 18	4 16 2	3° 8'49	7♐16	16°11	8°10	23°40	24°40	6° 3	8° 7	21°23	24°28	18°46	19°40	7°56	16°25	S 18
M19	4 19 59	4° 9'50	19° 3	16°D11	9°25	24°20	24°32	6° 5	8°10	21°21	24°29	18°D46	19°37	8° 3	16°27	M19
T 20	4 23 55	5°10'51	0♑51	16°21	10°41	24°59	24°24	6° 7	8°14	21°20	24°30	18°46	19°33	8°10	16°29	T 20
W21	4 27 52	6°11'53	12°43	16°40	11°56	25°38	24°16	6° 9	8°18	21°18	24°31	18°47	19°30	8°16	16°31	W21
T 22	4 31 48	7°12'56	24°42	17° 7	13°12	26°17	24° 8	6°11	8°21	21°17	24°32	18°48	19°27	8°23	16°33	T 22
F 23	4 35 45	8°13'59	6♒50	17°43	14°27	26°56	24° 1	6°13	8°25	21°15	24°33	18°50	19°24	8°30	16°35	F 23
S 24	4 39 41	9°15'03	19°13	18°24	15°42	27°35	23°53	6°16	8°29	21°13	24°34	18°51	19°21	8°36	16°37	S 24
S 25	4 43 38	10°16'08	1♓53	19°12	16°58	28°14	23°46	6°18	8°32	21°12	24°35	18°51	19°17	8°43	16°39	S 25
M26	4 47 35	11°17'13	14°55	20° 5	18°13	28°53	23°38	6°20	8°36	21°10	24°36	18°R51	19°14	8°50	16°42	M26
T 27	4 51 31	12°18'18	28°21	21° 3	19°29	29°32	23°31	6°23	8°40	21° 9	24°37	18°51	19°11	8°56	16°44	T 27
W28	4 55 28	13°19'24	12♈13	22° 4	20°44	0♏12	23°23	6°26	8°43	21° 7	24°38	18°50	19° 8	9° 3	16°46	W28
T 29	4 59 24	14°20'30	26°33	23°10	22° 0	0°51	23°16	6°28	8°47	21° 6	24°38	18°50	19° 5	9°10	16°49	T 29
F 30	5 3 21	15♐21'36	11♉16	24♏18	23♐15	1♏30	23♉ 9	6♓31	8♐50	21♉ 4	24♍39	18♐49	19♐ 2	9♐16	16♒51	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s40	11n26	4n33	22s15	1s39	16s25	0n32	4s 6	0n59	18n34	1s 1	11s24	2s 8	21s34	0n 1	16n34	1s48	17n 7	16n 8	23s 6	23s12	22s41	10s14	6n 8
F 2	16 58	16 11	3 45	21 55	1 24	16 48	0 30	4 22	0 59	18 32	1 1	11 24	2 8	21 34	0 1	16 33	1 48	17 7	16 9	23 5	23 12	22 41	10 14	6 8
S 3	17 15	19 57	2 40	21 31	1 8	17 11	0 28	4 37	0 59	18 30	1 1	11 23	2 8	21 35	0 1	16 33	1 48	17 7	16 9	23 5	23 12	22 41	10 14	6 8
S 4	17 32	22 20	1 23	21 3	0 50	17 33	0 25	4 52	0 58	18 29	1 1	11 23	2 7	21 35	0 1	16 32	1 48	17 7	16 10	23 5	23 11	22 42	10 14	6 7
M 5	17 48	23 5	0 1	20 32	0 32	17 56	0 23	5 8	0 58	18 27	1 1	11 23	2 7	21 36	0 1	16 32	1 48	17 6	16 10	23 5	23 11	22 42	10 14	6 7
T 6	18 4	22 10	1s20	19 58	0 12	18 17	0 21	5 23	0 58	18 25	1 1	11 23	2 7	21 37	0 1	16 32	1 48	17 6	16 11	23 5	23 11	22 42	10 14	6 6
W 7	18 20	19 46	2 34	19 21	0n 9	18 38	0 18	5 38	0 58	18 23	1 1	11 22	2 7	21 37	0 1	16 31	1 48	17 6	16 11	23 5	23 11	22 43	10 14	6 6
T 8	18 36	16 13	3 36	18 42	0 29	18 59	0 16	5 53	0 57	18 21	1 1	11 22	2 7	21 38	0 1	16 31	1 48	17 6	16 12	23 5	23 10	22 43	10 14	6 6
F 9	18 51	11 54	4 24	18 2	0 49	19 19	0 14	6 9	0 57	18 20	1 1	11 21	2 7	21 38	0 1	16 30	1 48	17 6	16 12	23 5	23 10	22 43	10 14	6 5
S 10	19 6	7 7	4 57	17 23	1 9	19 38	0 11	6 24	0 57	18 18	1 0	11 21	2 6	21 39	0 1	16 30	1 48	17 6	16 13	23 5	23 10	22 43	10 14	6 5
S 11	19 21	2 9	5 13	16 45	1 27	19 57	0 9	6 39	0 56	18 16	1 0	11 20	2 6	21 40	0 1	16 29	1 48	17 6	16 13	23 5	23 10	22 44	10 14	6 4
M12	19 35	2s48	5 14	16 10	1 44	20 16	0 6	6 54	0 56	18 14	1 0	11 20	2 6	21 40	0 1	16 29	1 48	17 6	16 14	23 5	23 10	22 44	10 14	6 4
T 13	19 49	7 32	4 59	15 38	1 58	20 33	0 4	7 9	0 56	18 12	1 0	11 19	2 6	21 41	0 1	16 29	1 48	17 6	16 14	23 5	23 9	22 44	10 14	6 4
W14	20 2	11 53	4 31	15 11	2 11	20 51	0 2	7 24	0 55	18 11	1 0	11 19	2 6	21 41	0 1	16 28	1 48	17 5	16 15	23 5	23 9	22 45	10 14	6 3
T 15	20 15	15 44	3 52	14 48	2 21	21 7	0s 1	7 39	0 55	18 9	1 0	11 18	2 6	21 42	0 1	16 28	1 48	17 5	16 15	23 4	23 9	22 45	10 14	6 3
F 16	20 28	18 53	3 3	14 31	2 29	21 23	0 3	7 54	0 55	18 7	1 0	11 17	2 5	21 43	0 1	16 27	1 48	17 5	16 16	23 4	23 9	22 45	10 14	6 2
S 17	20 40	21 14	2 6	14 19	2 35	21 39	0 5	8 9	0 55	18 5	1 0	11 17	2 5	21 43	0 1	16 27	1 48	17 5	16 16	23 4	23 8	22 45	10 14	6 2
S 18	20 52	22 39	1 3	14 12	2 40	21 53	0 8	8 23	0 54	18 3	0 59	11 16	2 5	21 44	0 1	16 26	1 48	17 6	16 17	23 4	23 8	22 45	10 14	6 2
M19	21 4	23 4	0n 2	14 10	2 42	22 7	0 10	8 38	0 54	18 2	0 59	11 15	2 5	21 44	0 1	16 26	1 48	17 6	16 17	23 4	23 8	22 46	10 13	6 1
T 20	21 15	22 26	1 7	14 12	2 43	22 21	0 13	8 53	0 54	18 0	0 59	11 14	2 5	21 45	0 1	16 26	1 48	17 6	16 18	23 4	23 8	22 46	10 13	6 1
W21	21 26	20 47	2 9	14 18	2 42	22 34	0 15	9 7	0 53	17 58	0 59	11 13	2 5	21 46	0 1	16 25	1 48	17 6	16 18	23 4	23 7	22 46	10 13	6 0
T 22	21 36	18 13	3 7	14 27	2 40	22 46	0 17	9 22	0 53	17 56	0 59	11 12	2 4	21 46	0 1	16 25	1 48	17 6	16 19	23 4	23 7	22 46	10 13	6 0
F 23	21 46	14 49	3 57	14 40	2 37	22 57	0 20	9 36	0 52	17 55	0 58	11 11	2 4	21 47	0 1	16 24	1 48	17 6	16 19	23 4	23 7	22 47	10 13	6 0
S 24	21 56	10 44	4 37	14 55	2 34	23 8	0 22	9 51	0 52	17 53	0 58	11 10	2 4	21 47	0 1	16 24	1 48	17 6	16 20	23 4	23 7	22 47	10 12	5 59
S 25	22 5	6 7	5 4	15 12	2 29	23 18	0 24	10 5	0 52	17 51	0 58	11 9	2 4	21 48	0 1	16 24	1 48	17 6	16 20	23 4	23 6	22 47	10 12	5 59
M26	22 14	1 5	5 17	15 32	2 24	23 28	0 27	10 19	0 51	17 49	0 58	11 8	2 4	21 48	0 1	16 23	1 48	17 6	16 21	23 4	23 6	22 47	10 12	5 58
T 27	22 22	4n 8	5 14	15 52	2 18	23 36	0 29	10 34	0 51	17 48	0 58	11 7	2 4	21 49	0 1	16 23	1 48	17 7	16 22	23 4	23 6	22 47	10 11	5 58
W28	22 30	9 20	4 52	16 14	2 12	23 44	0 31	10 48	0 51	17 46	0 58	11 6	2 3	21 50	0 1	16 22	1 48	17 7	16 22	23 4	23 6	22 47	10 11	5 58
T 29	22 37	14 11	4 12	16 37	2 5	23 51	0 34	11 2	0 50	17 45	0 57	11 5	2 3	21 50	0 1	16 22	1 48	17 7	16 23	23 4	23 5	22 48	10 11	5 57
F 30	22s44	18n21	3n14	17s 1	1n58	23s58	0s36	11s16	0n50	17n43	0s57	11s 3	2s 3	21s51	0n 1	16n22	1s48	17n 7	16n23	23s 4	23s 5	22s48	10s10	5n57

Julian Day Number = 2170254.5, Delta T = 12m23s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'02, Lahiri = 13°07'03 Julian Calendar 1 Nov. 1229 == Greg. Calendar 8 Nov. 1229

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ASTRODIENST EPHEMERIS for the year 1229
geocentric

DECEMBER 1229 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 7 17	16♐22'43	26♉18	25♏29	24♐30	2♏ 9	23°R 2	6♓34	8♐54	21°R 3	24♍40	18°R49	18♐58	9♐23	16♒54	S 1
S 2	5 11 14	17°23'50	11♊30	26°42	25°46	2°48	22♉55	6°37	8°58	21♉ 1	24°40	18°D49	18°55	9°30	16°56	S 2
M 3	5 15 10	18°24'58	26°44	27°58	27° 1	3°27	22°49	6°41	9° 1	21° 0	24°41	18°R49	18°52	9°36	16°59	M 3
T 4	5 19 7	19°26'06	11♋49	29°15	28°17	4° 7	22°42	6°44	9° 5	20°58	24°42	18♐49	18°49	9°43	17° 2	T 4
W 5	5 23 4	20°27'15	26°37	0♐34	29°32	4°46	22°36	6°47	9° 9	20°57	24°42	18°49	18°46	9°49	17° 4	W 5
T 6	5 27 0	21°28'24	11♌ 1	1°54	0♑47	5°25	22°30	6°51	9°12	20°55	24°43	18°49	18°43	9°56	17° 7	T 6
F 7	5 30 57	22°29'34	24°59	3°16	2° 3	6° 4	22°23	6°54	9°16	20°54	24°43	18°48	18°39	10° 3	17°10	F 7
S 8	5 34 53	23°30'44	8♍28	4°39	3°18	6°44	22°17	6°58	9°19	20°52	24°44	18°48	18°36	10° 9	17°13	S 8
S 9	5 38 50	24°31'54	21°32	6° 3	4°34	7°23	22°12	7° 2	9°23	20°51	24°44	18°D48	18°33	10°16	17°16	S 9
M10	5 42 46	25°33'06	4♎12	7°27	5°49	8° 2	22° 6	7° 6	9°27	20°50	24°44	18°48	18°30	10°23	17°18	M10
T 11	5 46 43	26°34'17	16°34	8°53	7° 4	8°42	22° 0	7° 9	9°30	20°48	24°45	18°48	18°27	10°29	17°21	T 11
W12	5 50 39	27°35'29	28°40	10°19	8°20	9°21	21°55	7°13	9°34	20°47	24°45	18°49	18°23	10°36	17°24	W12
T 13	5 54 36	28°36'42	10♏36	11°46	9°35	10° 0	21°50	7°18	9°37	20°46	24°45	18°50	18°20	10°43	17°28	T 13
F 14	5 58 33	29°37'54	22°26	13°13	10°50	10°39	21°45	7°22	9°41	20°45	24°46	18°51	18°17	10°49	17°31	F 14
S 15	6 2 29	0♑39'07	4♐13	14°41	12° 6	11°19	21°40	7°26	9°44	20°43	24°46	18°52	18°14	10°56	17°34	S 15
S 16	6 6 26	1°40'20	16° 0	16°10	13°21	11°58	21°35	7°30	9°48	20°42	24°46	18°R53	18°11	11° 3	17°37	S 16
M17	6 10 22	2°41'33	27°50	17°39	14°36	12°37	21°31	7°35	9°51	20°41	24°46	18°52	18° 8	11° 9	17°40	M17
T 18	6 14 19	3°42'46	9♑44	19° 8	15°52	13°17	21°27	7°39	9°55	20°40	24°46	18°51	18° 4	11°16	17°43	T 18
W19	6 18 15	4°43'58	21°46	20°39	17° 7	13°56	21°22	7°44	9°58	20°39	24°46	18°50	18° 1	11°23	17°47	W19
T 20	6 22 12	5°45'11	3♒55	22° 9	18°22	14°36	21°19	7°49	10° 1	20°38	24°R46	18°47	17°58	11°29	17°50	T 20
F 21	6 26 8	6°46'23	16°15	23°40	19°38	15°15	21°15	7°53	10° 5	20°37	24°46	18°44	17°55	11°36	17°53	F 21
S 22	6 30 5	7°47'34	28°47	25°12	20°53	15°54	21°11	7°58	10° 8	20°36	24°46	18°41	17°52	11°42	17°57	S 22
S 23	6 34 2	8°48'45	11♓33	26°43	22° 8	16°34	21° 8	8° 3	10°11	20°35	24°46	18°39	17°49	11°49	18° 0	S 23
M24	6 37 58	9°49'55	24°36	28°16	23°23	17°13	21° 5	8° 8	10°15	20°34	24°46	18°37	17°45	11°56	18° 4	M24
T 25	6 41 55	10°51'05	7♈57	29°49	24°39	17°52	21° 2	8°13	10°18	20°33	24°46	18°D36	17°42	12° 2	18° 7	T 25
W26	6 45 51	11°52'14	21°38	1♑22	25°54	18°32	20°59	8°18	10°21	20°32	24°46	18°36	17°39	12° 9	18°11	W26
T 27	6 49 48	12°53'22	5♉40	2°56	27° 9	19°11	20°57	8°24	10°24	20°31	24°46	18°37	17°36	12°16	18°14	T 27
F 28	6 53 44	13°54'30	20° 2	4°30	28°24	19°51	20°54	8°29	10°28	20°30	24°45	18°39	17°33	12°22	18°18	F 28
S 29	6 57 41	14°55'36	4♊43	6° 5	29°39	20°30	20°52	8°34	10°31	20°29	24°45	18°40	17°29	12°29	18°22	S 29
S 30	7 1 38	15°56'42	19°37	7°40	0♒55	21°10	20°50	8°40	10°34	20°28	24°45	18°R41	17°26	12°36	18°25	S 30
M31	7 5 34	16♑57'47	4♋38	9♑16	2♒10	21♏49	20♉48	8♓45	10♐37	20♉27	24♍44	18♐40	17♐23	12♐42	18♒29	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s50	21n23	2n 2	17s25	1n51	24s 4	0s38	11s30	0n49	17n41	0s57	11s 2	2s 3	21s51	0n 1	16n21	1s48	17n 7	16n24	23s 4	23s 5	22s48	10s10	5n57	S 1
S 2	22 56	22 56	0 41	17 49	1 43	24 9	0 40	11 44	0 49	17 40	0 57	11 1	2 3	21 52	0 1	16 21	1 48	17 8	16 24	23 4	23 4	22 48	10 9	5 56	S 2
M 3	23 2	22 46	0s44	18 14	1 36	24 13	0 42	11 57	0 49	17 38	0 56	11 0	2 3	21 52	0 1	16 21	1 48	17 8	16 25	23 4	23 4	22 48	10 9	5 56	M 3
T 4	23 7	20 56	2 5	18 38	1 28	24 16	0 45	12 11	0 48	17 37	0 56	10 58	2 2	21 53	0 1	16 20	1 48	17 8	16 25	23 4	23 4	22 48	10 9	5 56	T 4
W 5	23 12	17 43	3 15	19 3	1 20	24 19	0 47	12 25	0 48	17 36	0 56	10 57	2 2	21 54	0 1	16 20	1 48	17 8	16 26	23 4	23 4	22 48	10 8	5 55	W 5
T 6	23 16	13 30	4 12	19 27	1 13	24 21	0 49	12 38	0 47	17 34	0 56	10 55	2 2	21 54	0 1	16 20	1 48	17 9	16 27	23 4	23 3	22 49	10 8	5 55	T 6
F 7	23 19	8 40	4 51	19 50	1 5	24 22	0 51	12 52	0 47	17 33	0 56	10 54	2 2	21 55	0 1	16 19	1 48	17 9	16 27	23 4	23 3	22 49	10 7	5 55	F 7
S 8	23 23	3 35	5 13	20 14	0 57	24 23	0 53	13 5	0 47	17 32	0 55	10 52	2 2	21 55	0 1	16 19	1 48	17 9	16 28	23 4	23 3	22 49	10 7	5 54	S 8
S 9	23 26	1s30	5 18	20 36	0 49	24 22	0 55	13 18	0 46	17 30	0 55	10 51	2 2	21 56	0 1	16 19	1 48	17 10	16 28	23 4	23 3	22 49	10 6	5 54	S 9
M10	23 28	6 22	5 7	20 58	0 41	24 21	0 57	13 32	0 46	17 29	0 55	10 49	2 1	21 56	0 1	16 18	1 48	17 10	16 29	23 4	23 2	22 49	10 5	5 54	M10
T 11	23 30	10 52	4 42	21 19	0 33	24 20	0 59	13 45	0 45	17 28	0 55	10 48	2 1	21 57	0 1	16 18	1 48	17 11	16 30	23 4	23 2	22 49	10 5	5 53	T 11
W12	23 31	14 51	4 4	21 40	0 26	24 17	1 1	13 58	0 45	17 27	0 54	10 46	2 1	21 57	0 1	16 18	1 48	17 11	16 30	23 4	23 2	22 49	10 4	5 53	W12
T 13	23 32	18 11	3 17	22 0	0 18	24 14	1 2	14 10	0 44	17 26	0 54	10 44	2 1	21 58	0 1	16 17	1 48	17 11	16 31	23 4	23 1	22 49	10 4	5 53	T 13
F 14	23 32	20 44	2 22	22 19	0 10	24 10	1 4	14 23	0 44	17 25	0 54	10 43	2 1	21 59	0 1	16 17	1 47	17 12	16 31	23 4	23 1	22 49	10 3	5 52	F 14
S 15	23 32	22 24	1 21	22 36	0 3	24 5	1 6	14 36	0 43	17 24	0 54	10 41	2 1	21 59	0 1	16 17	1 47	17 12	16 32	23 4	23 1	22 49	10 2	5 52	S 15
S 16	23 32	23 4	0 16	22 53	0s 4	23 59	1 8	14 49	0 43	17 23	0 53	10 39	2 1	22 0	0 1	16 17	1 47	17 13	16 32	23 4	23 1	22 50	10 2	5 52	S 16
M17	23 31	22 42	0n49	23 9	0 12	23 53	1 9	15 1	0 42	17 22	0 53	10 37	2 0	22 0	0 1	16 16	1 47	17 13	16 33	23 4	23 0	22 50	10 1	5 52	M17
T 18	23 29	21 18	1 53	23 24	0 19	23 46	1 11	15 13	0 42	17 21	0 53	10 36	2 0	22 1	0 1	16 16	1 47	17 14	16 34	23 4	23 0	22 50	10 0	5 51	T 18
W19	23 27	18 56	2 52	23 38	0 26	23 38	1 12	15 26	0 41	17 20	0 53	10 34	2 0	22 1	0 1	16 16	1 47	17 14	16 34	23 4	23 0	22 50	10 0	5 51	W19
T 20	23 25	15 43	3 44	23 51	0 32	23 30	1 14	15 38	0 41	17 19	0 52	10 32	2 0	22 2	0 1	16 16	1 47	17 15	16 35	23 4	22 59	22 50	9 59	5 51	T 20
F 21	23 22	11 47	4 27	24 2	0 39	23 20	1 15	15 50	0 40	17 18	0 52	10 30	2 0	22 2	0 1	16 15	1 47	17 15	16 35	23 4	22 59	22 50	9 58	5 50	F 21
S 22	23 18	7 18	4 57	24 12	0 45	23 10	1 17	16 2	0 40	17 18	0 52	10 28	2 0	22 3	0 1	16 15	1 47	17 16	16 36	23 3	22 59	22 50	9 57	5 50	S 22
S 23	23 15	2 26	5 13	24 21	0 52	23 0	1 18	16 14	0 39	17 17	0 52	10 26	2 0	22 3	0 1	16 15	1 47	17 16	16 36	23 3	22 59	22 50	9 57	5 50	S 23
M24	23 10	2n39	5 14	24 29	0 58	22 48	1 19	16 25	0 39	17 17	0 51	10 24	2 0	22 4	0 1	16 15	1 47	17 17	16 37	23 3	22 58	22 50	9 56	5 50	M24
T 25	23 6	7 43	4 58	24 36	1 4	22 36	1 21	16 37	0 38	17 16	0 51	10 22	1 59	22 4	0 1	16 14	1 47	17 17	16 38	23 3	22 58	22 50	9 55	5 49	T 25
W26	23 0	12 33	4 25	24 41	1 9	22 24	1 22	16 48	0 38	17 16	0 51	10 20	1 59	22 5	0 1	16 14	1 47	17 18	16 38	23 3	22 58	22 50	9 54	5 49	W26
T 27	22 55	16 51	3 35	24 45	1 15	22 10	1 23	17 0	0 37	17 15	0 51	10 18	1 59	22 5	0 1	16 14	1 47	17 19	16 39	23 3	22 57	22 50	9 53	5 49	T 27
F 28	22 49	20 15	2 31	24 47	1 20	21 56	1 24	17 11	0 37	17 15	0 50	10 16	1 59	22 6	0 1	16 14	1 47	17 19	16 39	23 3	22 57	22 50	9 52	5 49	F 28
S 29	22 42	22 25	1 16	24 49	1 25	21 42	1 25	17 22	0 36	17 15	0 50	10 14	1 59	22 6	0 1	16 14	1 47	17 20	16 40	23 3	22 57	22 50	9 52	5 48	S 29
S 30	22 35	23 3	0s 5	24 48	1 30	21 26	1 26	17 33	0 36	17 14	0 50	10 11	1 59	22 7	0 1	16 14	1 47	17 20	16 40	23 3	22 57	22 50	9 51	5 48	S 30
M31	22s27	22n 1	1s27	24s47	1s34	21s10	1s27	17s44	0n35	17n14	0s50	10s 9	1s59	22s 7	0n 1	16n13	1s47	17n21	16n41	23s 3	22s56	22s50	9s50	5n48	M31

Julian Day Number = 2170284.5, Delta T = 12m22s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'06, Lahiri = 13°07'07 Julian Calendar 1 Dec. 1229 == Greg. Calendar 8 Dec. 1229

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

JANUARY 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 31	17♉58'52	19♋38	10♉52	3♒25	22♏28	20°R47	8♓51	10♐40	20°R27	24°R44	18°R38	17♐20	12♐49	18♒33	T 1
W 2	7 13 27	18°59'56	4♌26	12°29	4°40	23° 8	20♉46	8°56	10°43	20♉26	24♍44	18♐34	17°17	12°56	18°37	W 2
T 3	7 17 24	20° 0'59	18°57	14° 7	5°55	23°47	20°44	9° 2	10°46	20°25	24°43	18°29	17°14	13° 2	18°40	T 3
F 4	7 21 20	21° 2'01	3♍ 3	15°45	7°10	24°27	20°43	9° 8	10°49	20°25	24°43	18°24	17°10	13° 9	18°44	F 4
S 5	7 25 17	22° 3'03	16°43	17°23	8°25	25° 6	20°43	9°14	10°52	20°24	24°42	18°19	17° 7	13°15	18°48	S 5
S 6	7 29 13	23° 4'04	29°54	19° 3	9°40	25°46	20°42	9°19	10°55	20°23	24°42	18°15	17° 4	13°22	18°52	S 6
M 7	7 33 10	24° 5'05	12♎41	20°42	10°55	26°25	20°42	9°25	10°58	20°23	24°41	18°13	17° 1	13°29	18°56	M 7
T 8	7 37 7	25° 6'05	25° 5	22°23	12°10	27° 5	20°D42	9°31	11° 1	20°22	24°41	18°D12	16°58	13°35	19° 0	T 8
W 9	7 41 3	26° 7'04	7♏12	24° 4	13°25	27°44	20°42	9°37	11° 4	20°22	24°40	18°13	16°55	13°42	19° 3	W 9
T 10	7 45 0	27° 8'03	19° 7	25°46	14°40	28°24	20°42	9°44	11° 7	20°21	24°39	18°15	16°51	13°49	19° 7	T 10
F 11	7 48 56	28° 9'01	0♐55	27°29	15°55	29° 3	20°43	9°50	11°10	20°21	24°39	18°16	16°48	13°55	19°11	F 11
S 12	7 52 53	29° 9'58	12°41	29°12	17°10	29°43	20°43	9°56	11°12	20°20	24°38	18°R17	16°45	14° 2	19°15	S 12
S 13	7 56 49	0♒10'54	24°29	0♒56	18°25	0♐22	20°44	10° 2	11°15	20°20	24°37	18°17	16°42	14° 9	19°19	S 13
M14	8 0 46	1°11'50	6♉23	2°40	19°40	1° 2	20°46	10° 9	11°18	20°20	24°36	18°16	16°39	14°15	19°23	M14
T 15	8 4 42	2°12'44	18°26	4°25	20°55	1°41	20°47	10°15	11°20	20°19	24°35	18°11	16°35	14°22	19°27	T 15
W16	8 8 39	3°13'37	0♒40	6°11	22°10	2°21	20°48	10°21	11°23	20°19	24°35	18° 5	16°32	14°29	19°31	W16
T 17	8 12 36	4°14'30	13° 5	7°58	23°25	3° 0	20°50	10°28	11°26	20°19	24°34	17°57	16°29	14°35	19°35	T 17
F 18	8 16 32	5°15'20	25°43	9°45	24°39	3°40	20°52	10°34	11°28	20°19	24°33	17°48	16°26	14°42	19°40	F 18
S 19	8 20 29	6°16'10	8♓34	11°32	25°54	4°19	20°54	10°41	11°31	20°19	24°32	17°39	16°23	14°49	19°44	S 19
S 20	8 24 25	7°16'57	21°37	13°20	27° 9	4°59	20°57	10°48	11°33	20°18	24°31	17°31	16°20	14°55	19°48	S 20
M21	8 28 22	8°17'44	4♈52	15° 9	28°24	5°38	20°59	10°54	11°36	20°18	24°30	17°24	16°16	15° 2	19°52	M21
T 22	8 32 18	9°18'29	18°20	16°58	29°38	6°18	21° 2	11° 1	11°38	20°18	24°29	17°20	16°13	15° 8	19°56	T 22
W23	8 36 15	10°19'12	2♉ 0	18°47	0♓53	6°57	21° 5	11° 8	11°40	20°D18	24°28	17°18	16°10	15°15	20° 0	W23
T 24	8 40 11	11°19'53	15°53	20°36	2° 8	7°37	21° 8	11°15	11°43	20°18	24°27	17°D18	16° 7	15°22	20° 4	T 24
F 25	8 44 8	12°20'33	29°59	22°25	3°22	8°16	21°11	11°21	11°45	20°18	24°26	17°18	16° 4	15°28	20° 8	F 25
S 26	8 48 5	13°21'11	14♊18	24°13	4°37	8°56	21°15	11°28	11°47	20°18	24°25	17°R19	16° 0	15°35	20°12	S 26
S 27	8 52 1	14°21'47	28°47	26° 1	5°52	9°35	21°18	11°35	11°49	20°18	24°23	17°19	15°57	15°42	20°17	S 27
M28	8 55 58	15°22'22	13♋23	27°48	7° 6	10°15	21°22	11°42	11°51	20°19	24°22	17°16	15°54	15°48	20°21	M28
T 29	8 59 54	16°22'55	27°59	29°35	8°21	10°54	21°26	11°49	11°53	20°19	24°21	17°11	15°51	15°55	20°25	T 29
W30	9 3 51	17°23'26	12♌31	1♓19	9°35	11°34	21°30	11°56	11°55	20°19	24°20	17° 3	15°48	16° 2	20°29	W30
T 31	9 7 47	18♒23'55	26♌51	3♓ 2	10♓49	12♐13	21♉35	12♓ 3	11♐57	20♉19	24♍19	16♐53	15♐45	16♐ 8	20♒33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s20	19n26	2s42	24s43	1s38	20s54	1s28	17s55	0n34	17n14	0s49	10s 7	1s59	22s 7	0n 1	16n13	1s47	17n22	16n41	23s 3	22s56	22s50	9s49	5n48
W 2	22 11	15 35	3 45	24 39	1 42	20 36	1 28	18 5	0 34	17 14	0 49	10 5	1 58	22 8	0 1	16 13	1 46	17 22	16 42	23 3	22 56	22 50	9 48	5 48
T 3	22 2	10 53	4 32	24 32	1 46	20 19	1 29	18 16	0 33	17 14	0 49	10 3	1 58	22 8	0 1	16 13	1 46	17 23	16 43	23 2	22 55	22 50	9 47	5 47
F 4	21 53	5 44	5 2	24 25	1 49	20 0	1 30	18 26	0 33	17 14	0 48	10 0	1 58	22 9	0 1	16 13	1 46	17 24	16 43	23 2	22 55	22 50	9 46	5 47
S 5	21 44	0 28	5 13	24 15	1 52	19 41	1 30	18 36	0 32	17 14	0 48	9 58	1 58	22 9	0 1	16 13	1 46	17 24	16 44	23 1	22 55	22 50	9 45	5 47
S 6	21 33	4s39	5 6	24 5	1 55	19 22	1 31	18 46	0 31	17 14	0 48	9 56	1 58	22 10	0 1	16 13	1 46	17 25	16 44	23 1	22 54	22 50	9 44	5 47
M 7	21 23	9 24	4 45	23 52	1 57	19 2	1 31	18 56	0 31	17 14	0 48	9 53	1 58	22 10	0 1	16 13	1 46	17 26	16 45	23 1	22 54	22 50	9 43	5 47
T 8	21 12	13 38	4 10	23 38	1 59	18 41	1 32	19 6	0 30	17 14	0 47	9 51	1 58	22 10	0 1	16 13	1 46	17 27	16 45	23 1	22 54	22 50	9 42	5 46
W 9	21 1	17 12	3 26	23 22	2 1	18 20	1 32	19 16	0 29	17 15	0 47	9 49	1 58	22 11	0 1	16 12	1 46	17 27	16 46	23 1	22 53	22 50	9 41	5 46
T 10	20 49	20 1	2 32	23 5	2 2	17 58	1 32	19 25	0 29	17 15	0 47	9 46	1 58	22 11	0 1	16 12	1 46	17 28	16 46	23 1	22 53	22 49	9 40	5 46
F 11	20 37	21 57	1 33	22 46	2 3	17 36	1 32	19 34	0 28	17 15	0 47	9 44	1 58	22 12	0 1	16 12	1 46	17 29	16 47	23 1	22 53	22 49	9 39	5 46
S 12	20 25	22 55	0 31	22 25	2 4	17 13	1 32	19 44	0 27	17 16	0 46	9 41	1 58	22 12	0 1	16 12	1 46	17 30	16 47	23 1	22 53	22 49	9 38	5 46
S 13	20 12	22 52	0n34	22 3	2 4	16 50	1 32	19 53	0 27	17 16	0 46	9 39	1 57	22 12	0 1	16 12	1 46	17 30	16 48	23 1	22 52	22 49	9 37	5 46
M14	19 59	21 46	1 37	21 39	2 4	16 27	1 32	20 2	0 26	17 17	0 46	9 36	1 57	22 13	0 1	16 12	1 46	17 31	16 48	23 1	22 52	22 49	9 36	5 45
T 15	19 45	19 41	2 36	21 13	2 3	16 2	1 32	20 10	0 25	17 17	0 46	9 34	1 57	22 13	0 1	16 12	1 46	17 32	16 49	23 1	22 52	22 49	9 35	5 45
W16	19 31	16 41	3 29	20 46	2 1	15 38	1 32	20 19	0 25	17 18	0 45	9 31	1 57	22 14	0 1	16 12	1 46	17 33	16 49	23 0	22 51	22 49	9 33	5 45
T 17	19 17	12 55	4 13	20 17	2 0	15 13	1 32	20 27	0 24	17 19	0 45	9 29	1 57	22 14	0 1	16 12	1 46	17 33	16 50	22 59	22 51	22 49	9 32	5 45
F 18	19 2	8 31	4 45	19 46	1 57	14 48	1 32	20 36	0 23	17 20	0 45	9 26	1 57	22 14	0 1	16 12	1 46	17 34	16 50	22 59	22 51	22 49	9 31	5 45
S 19	18 47	3 42	5 3	19 13	1 54	14 22	1 31	20 44	0 22	17 20	0 44	9 24	1 57	22 15	0 1	16 12	1 45	17 35	16 51	22 58	22 50	22 49	9 30	5 45
S 20	18 32	1n21	5 6	18 39	1 51	13 56	1 31	20 52	0 22	17 21	0 44	9 21	1 57	22 15	0 1	16 12	1 45	17 36	16 51	22 57	22 50	22 48	9 29	5 45
M21	18 16	6 26	4 53	18 4	1 47	13 29	1 30	20 59	0 21	17 22	0 44	9 18	1 57	22 15	0 1	16 12	1 45	17 37	16 52	22 56	22 50	22 48	9 28	5 45
T 22	18 0	11 17	4 24	17 26	1 42	13 3	1 30	21 7	0 20	17 23	0 44	9 16	1 57	22 16	0 1	16 12	1 45	17 37	16 52	22 56	22 49	22 48	9 27	5 45
W23	17 44	15 38	3 39	16 48	1 37	12 35	1 29	21 15	0 19	17 24	0 43	9 13	1 57	22 16	0 1	16 12	1 45	17 38	16 52	22 56	22 49	22 48	9 25	5 44
T 24	17 27	19 13	2 41	16 8	1 31	12 8	1 28	21 22	0 19	17 25	0 43	9 11	1 57	22 16	0 1	16 12	1 45	17 39	16 53	22 56	22 49	22 48	9 24	5 44
F 25	17 10	21 44	1 32	15 26	1 25	11 40	1 27	21 29	0 18	17 26	0 43	9 8	1 57	22 17	0 1	16 13	1 45	17 40	16 53	22 56	22 48	22 48	9 23	5 44
S 26	16 53	22 53	0 16	14 43	1 17	11 12	1 27	21 36	0 17	17 28	0 43	9 5	1 57	22 17	0 1	16 13	1 45	17 41	16 54	22 56	22 48	22 48	9 22	5 44
S 27	16 35	22 31	1s 1	13 59	1 9	10 44	1 26	21 43	0 16	17 29	0 42	9 3	1 57	22 17	0 1	16 13	1 45	17 42	16 54	22 56	22 48	22 47	9 21	5 44
M28	16 18	20 38	2 15	13 14	1 1	10 15	1 25	21 49	0 15	17 30	0 42	9 0	1 57	22 17	0 1	16 13	1 45	17 42	16 55	22 56	22 47	22 47	9 19	5 44
T 29	16 0	17 23	3 20	12 28	0 51	9 46	1 24	21 56	0 15	17 31	0 42	8 57	1 56	22 18	0 1	16 13	1 45	17 43	16 55	22 55	22 47	22 47	9 18	5 44
W30	15 41	13 6	4 11	11 42	0 41	9 17	1 22	22 2	0 14	17 33	0 42	8 54	1 56	22 18	0 1	16 13	1 45	17 44	16 55	22 54	22 47	22 47	9 17	5 44
T 31	15s23	8n 8	4s46	10s55	0s31	8s47	1s21	22s 8	0n13	17n34	0s41	8s52	1s56	22s18	0n 1	16n13	1s45	17n45	16n56	22s53	22s46	22s47	9s16	5n44

Julian Day Number = 2170315.5, Delta T = 12m22s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'11, Lahiri = 13°07'11 Julian Calendar 1 Jan. 1230 == Greg. Calendar 8 Jan. 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

FEBRUARY 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 11 44	19♒24'23	10♍52	4♓42	12♓ 4	12♐53	21♉39	12♓10	11♐59	20♉20	24°R17	16°R43	15♐41	16♐15	20♒37	F 1
S 2	9 15 40	20°24'49	24°31	6°20	13°18	13°32	21°44	12°17	12° 1	20°20	24♍16	16♐32	15°38	16°22	20°42	S 2
S 3	9 19 37	21°25'14	7♎45	7°54	14°33	14°12	21°49	12°24	12° 3	20°20	24°15	16°23	15°35	16°28	20°46	S 3
M 4	9 23 34	22°25'37	20°35	9°24	15°47	14°51	21°54	12°32	12° 5	20°21	24°13	16°16	15°32	16°35	20°50	M 4
T 5	9 27 30	23°25'59	3♏ 3	10°49	17° 1	15°31	22° 0	12°39	12° 7	20°21	24°12	16°12	15°29	16°41	20°54	T 5
W 6	9 31 27	24°26'20	15°13	12° 9	18°15	16°10	22° 5	12°46	12° 8	20°22	24°11	16°10	15°26	16°48	20°58	W 6
T 7	9 35 23	25°26'39	27° 9	13°24	19°30	16°50	22°11	12°53	12°10	20°22	24° 9	16°D 9	15°22	16°55	21° 2	T 7
F 8	9 39 20	26°26'56	8♐58	14°31	20°44	17°29	22°16	13° 0	12°11	20°23	24° 8	16°10	15°19	17° 1	21° 7	F 8
S 9	9 43 16	27°27'12	20°45	15°32	21°58	18° 9	22°22	13° 8	12°13	20°23	24° 6	16°R10	15°16	17° 8	21°11	S 9
S 10	9 47 13	28°27'27	2♑35	16°25	23°12	18°48	22°28	13°15	12°15	20°24	24° 5	16° 8	15°13	17°15	21°15	S 10
M11	9 51 9	29°27'40	14°34	17°10	24°26	19°28	22°35	13°22	12°16	20°24	24° 4	16° 5	15°10	17°21	21°19	M11
T 12	9 55 6	0♓27'51	26°44	17°46	25°40	20° 7	22°41	13°30	12°17	20°25	24° 2	15°59	15° 6	17°28	21°23	T 12
W13	9 59 3	1°28'00	9♒ 9	18°13	26°54	20°47	22°48	13°37	12°19	20°26	24° 1	15°50	15° 3	17°35	21°27	W13
T 14	10 2 59	2°28'08	21°50	18°32	28° 8	21°26	22°55	13°44	12°20	20°26	23°59	15°38	15° 0	17°41	21°31	T 14
F 15	10 6 56	3°28'14	4♓48	18°R40	29°22	22° 6	23° 2	13°52	12°21	20°27	23°58	15°25	14°57	17°48	21°35	F 15
S 16	10 10 52	4°28'17	18° 1	18°40	0♈35	22°45	23° 9	13°59	12°23	20°28	23°56	15°12	14°54	17°55	21°39	S 16
S 17	10 14 49	5°28'19	1♈29	18°31	1°49	23°25	23°16	14° 7	12°24	20°29	23°55	15° 0	14°51	18° 1	21°44	S 17
M18	10 18 45	6°28'19	15° 7	18°12	3° 3	24° 4	23°23	14°14	12°25	20°30	23°53	14°50	14°47	18° 8	21°48	M18
T 19	10 22 42	7°28'17	28°53	17°46	4°17	24°43	23°31	14°21	12°26	20°31	23°51	14°43	14°44	18°15	21°52	T 19
W20	10 26 38	8°28'12	12♉47	17°12	5°30	25°23	23°38	14°29	12°27	20°31	23°50	14°39	14°41	18°21	21°56	W20
T 21	10 30 35	9°28'06	26°45	16°32	6°44	26° 2	23°46	14°36	12°28	20°32	23°48	14°37	14°38	18°28	22° 0	T 21
F 22	10 34 31	10°27'57	10♊48	15°45	7°58	26°41	23°54	14°44	12°29	20°33	23°47	14°37	14°35	18°34	22° 4	F 22
S 23	10 38 28	11°27'46	24°55	14°55	9°11	27°21	24° 2	14°51	12°29	20°34	23°45	14°36	14°32	18°41	22° 8	S 23
S 24	10 42 25	12°27'32	9♋ 4	14° 0	10°24	28° 0	24°10	14°59	12°30	20°35	23°43	14°35	14°28	18°48	22°12	S 24
M25	10 46 21	13°27'16	23°15	13° 4	11°38	28°39	24°19	15° 6	12°31	20°37	23°42	14°31	14°25	18°54	22°16	M25
T 26	10 50 18	14°26'58	7♌25	12° 7	12°51	29°19	24°27	15°14	12°32	20°38	23°40	14°25	14°22	19° 1	22°20	T 26
W27	10 54 14	15°26'38	21°30	11°11	14° 4	29°58	24°36	15°21	12°32	20°39	23°39	14°16	14°19	19° 8	22°23	W27
T 28	10 58 11	16♓26'15	5♍26	10♓16	15♈18	0♑37	24♉45	15♓29	12♐33	20♉40	23♍37	14♐ 4	14♐16	19♐14	22♒27	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 4	2n51	5s 2	10s 7	0s19	8s18	1s20	22s14	0n12	17n35	0s41	8s49	1s56	22s19	0n 1	16n13	1s45	17n46	16n56	22s52	22s46	22s47	9s14	5n44
S 2	14 45	2s25	5 1	9 20	0 7	7 48	1 19	22 20	0 11	17 37	0 41	8 46	1 56	22 19	0 1	16 13	1 45	17 47	16 56	22 51	22 46	22 46	9 13	5 44
S 3	14 25	7 25	4 43	8 33	0n 6	7 18	1 17	22 26	0 10	17 38	0 41	8 43	1 56	22 19	0 1	16 14	1 44	17 47	16 57	22 50	22 45	22 46	9 12	5 44
M 4	14 6	11 57	4 12	7 47	0 19	6 47	1 16	22 31	0 9	17 40	0 41	8 41	1 56	22 19	0 1	16 14	1 44	17 48	16 57	22 50	22 45	22 46	9 11	5 44
T 5	13 46	15 51	3 29	7 2	0 33	6 17	1 14	22 36	0 9	17 42	0 40	8 38	1 56	22 20	0 1	16 14	1 44	17 49	16 57	22 49	22 45	22 46	9 9	5 44
W 6	13 26	18 58	2 37	6 18	0 47	5 46	1 12	22 41	0 8	17 43	0 40	8 35	1 56	22 20	0 1	16 14	1 44	17 50	16 58	22 49	22 44	22 45	9 8	5 44
T 7	13 6	21 13	1 40	5 36	1 2	5 16	1 11	22 46	0 7	17 45	0 40	8 32	1 56	22 20	0 1	16 14	1 44	17 51	16 58	22 49	22 44	22 45	9 7	5 44
F 8	12 45	22 31	0 38	4 57	1 16	4 45	1 9	22 51	0 6	17 47	0 40	8 29	1 56	22 20	0 1	16 15	1 44	17 52	16 58	22 49	22 44	22 45	9 5	5 44
S 9	12 24	22 48	0n24	4 19	1 31	4 14	1 7	22 56	0 5	17 48	0 39	8 27	1 56	22 20	0 1	16 15	1 44	17 52	16 59	22 49	22 43	22 45	9 4	5 44
S 10	12 4	22 5	1 26	3 45	1 46	3 43	1 5	23 0	0 4	17 50	0 39	8 24	1 56	22 21	0 1	16 15	1 44	17 53	16 59	22 49	22 43	22 45	9 3	5 44
M11	11 42	20 20	2 25	3 14	2 1	3 11	1 3	23 4	0 3	17 52	0 39	8 21	1 56	22 21	0 1	16 15	1 44	17 54	16 59	22 48	22 43	22 44	9 2	5 44
T 12	11 21	17 40	3 18	2 47	2 15	2 40	1 1	23 8	0 2	17 54	0 39	8 18	1 56	22 21	0 1	16 15	1 44	17 55	17 0	22 48	22 42	22 44	9 0	5 44
W13	11 0	14 9	4 2	2 23	2 29	2 9	0 59	23 12	0 1	17 56	0 38	8 15	1 56	22 21	0 1	16 16	1 44	17 56	17 0	22 47	22 42	22 44	8 59	5 44
T 14	10 38	9 56	4 36	2 4	2 42	1 37	0 57	23 16	0s 0	17 58	0 38	8 12	1 56	22 21	0 1	16 16	1 44	17 57	17 0	22 46	22 41	22 44	8 58	5 44
F 15	10 17	5 12	4 56	1 49	2 55	1 6	0 55	23 19	0 1	18 0	0 38	8 9	1 56	22 22	0 1	16 16	1 44	17 57	17 0	22 44	22 41	22 43	8 56	5 44
S 16	9 55	0 9	5 0	1 39	3 6	0 34	0 53	23 22	0 2	18 2	0 38	8 7	1 56	22 22	0 1	16 16	1 44	17 58	17 1	22 43	22 41	22 43	8 55	5 44
S 17	9 33	5n 0	4 49	1 34	3 16	0 3	0 51	23 26	0 3	18 4	0 38	8 4	1 56	22 22	0 1	16 17	1 44	17 59	17 1	22 41	22 40	22 43	8 54	5 44
M18	9 10	9 58	4 20	1 33	3 25	0n29	0 48	23 28	0 4	18 6	0 37	8 1	1 56	22 22	0 1	16 17	1 44	18 0	17 1	22 40	22 40	22 42	8 52	5 44
T 19	8 48	14 30	3 37	1 37	3 32	1 0	0 46	23 31	0 5	18 8	0 37	7 58	1 56	22 22	0 1	16 17	1 43	18 1	17 1	22 40	22 40	22 42	8 51	5 44
W20	8 26	18 16	2 40	1 45	3 37	1 32	0 44	23 34	0 6	18 10	0 37	7 55	1 56	22 22	0 0	16 18	1 43	18 2	17 1	22 39	22 39	22 42	8 50	5 44
T 21	8 3	21 1	1 33	1 58	3 40	2 3	0 41	23 36	0 7	18 12	0 37	7 52	1 56	22 23	0 0	16 18	1 43	18 2	17 2	22 39	22 39	22 42	8 48	5 44
F 22	7 40	22 29	0 20	2 14	3 41	2 35	0 39	23 38	0 8	18 14	0 36	7 49	1 56	22 23	0 0	16 18	1 43	18 3	17 2	22 39	22 39	22 41	8 47	5 44
S 23	7 18	22 32	0s54	2 34	3 41	3 6	0 36	23 40	0 10	18 16	0 36	7 47	1 56	22 23	0 0	16 19	1 43	18 4	17 2	22 39	22 38	22 41	8 46	5 44
S 24	6 55	21 8	2 6	2 58	3 38	3 37	0 34	23 42	0 11	18 19	0 36	7 44	1 56	22 23	0 0	16 19	1 43	18 5	17 2	22 39	22 38	22 41	8 44	5 44
M25	6 32	18 25	3 9	3 23	3 34	4 9	0 31	23 44	0 12	18 21	0 36	7 41	1 56	22 23	0 0	16 19	1 43	18 6	17 2	22 38	22 37	22 40	8 43	5 44
T 26	6 9	14 37	4 1	3 51	3 27	4 40	0 28	23 45	0 13	18 23	0 36	7 38	1 56	22 23	0 0	16 20	1 43	18 6	17 2	22 37	22 37	22 40	8 42	5 44
W27	5 46	10 1	4 37	4 20	3 19	5 11	0 26	23 46	0 14	18 25	0 35	7 35	1 56	22 23	0 0	16 20	1 43	18 7	17 3	22 36	22 37	22 40	8 40	5 44
T 28	5s22	4n57	4s57	4s50	3n 9	5n42	0s23	23s48	0s15	18n28	0s35	7s32	1s56	22s23	0n 0	16n20	1s43	18n 8	17n 3	22s35	22s36	22s39	8s39	5n45

Julian Day Number = 2170346.5, Delta T = 12m22s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'15, Lahiri = 13°07'15 Julian Calendar 1 Feb. 1230 == Greg. Calendar 8 Feb. 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

MARCH 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 2 7	17♓25'50	19♍ 8	9°R23	16♈31	1♑17	24♉53	15♓36	12♐33	20♉41	23°R35	13°R51	14♐12	19♐21	22♒31	F 1
S 2	11 6 4	18°25'23	2♎33	8♓35	17°44	1°56	25° 2	15°44	12°34	20°42	23♍34	13♐39	14° 9	19°28	22°35	S 2
S 3	11 10 0	19°24'55	15°38	7°50	18°57	2°35	25°12	15°51	12°34	20°44	23°32	13°27	14° 6	19°34	22°39	S 3
M 4	11 13 57	20°24'24	28°23	7°11	20°10	3°14	25°21	15°59	12°35	20°45	23°30	13°18	14° 3	19°41	22°43	M 4
T 5	11 17 54	21°23'51	10♏50	6°37	21°23	3°53	25°30	16° 6	12°35	20°46	23°29	13°12	14° 0	19°48	22°46	T 5
W 6	11 21 50	22°23'17	23° 0	6° 8	22°36	4°33	25°40	16°13	12°35	20°48	23°27	13° 8	13°57	19°54	22°50	W 6
T 7	11 25 47	23°22'41	4♐57	5°46	23°49	5°12	25°49	16°21	12°35	20°49	23°25	13° 7	13°53	20° 1	22°54	T 7
F 8	11 29 43	24°22'03	16°47	5°29	25° 1	5°51	25°59	16°28	12°36	20°50	23°24	13°D 7	13°50	20° 7	22°58	F 8
S 9	11 33 40	25°21'23	28°35	5°18	26°14	6°30	26° 9	16°36	12°36	20°52	23°22	13°R 7	13°47	20°14	23° 1	S 9
S 10	11 37 36	26°20'41	10♑27	5°D13	27°27	7° 9	26°19	16°43	12°36	20°53	23°20	13° 6	13°44	20°21	23° 5	S 10
M11	11 41 33	27°19'58	22°27	5°14	28°39	7°48	26°29	16°51	12°R36	20°55	23°19	13° 3	13°41	20°27	23° 9	M11
T 12	11 45 29	28°19'13	4♒41	5°21	29°52	8°27	26°39	16°58	12°36	20°56	23°17	12°58	13°38	20°34	23°12	T 12
W13	11 49 26	29°18'26	17°13	5°33	1♉ 4	9° 6	26°49	17° 5	12°36	20°58	23°15	12°51	13°34	20°41	23°16	W13
T 14	11 53 23	0♈17'36	0♓ 5	5°50	2°17	9°45	26°59	17°13	12°35	20°59	23°14	12°41	13°31	20°47	23°19	T 14
F 15	11 57 19	1°16'45	13°18	6°11	3°29	10°24	27°10	17°20	12°35	21° 1	23°12	12°29	13°28	20°54	23°23	F 15
S 16	12 1 16	2°15'52	26°51	6°38	4°41	11° 3	27°20	17°27	12°35	21° 2	23°11	12°18	13°25	21° 1	23°26	S 16
S 17	12 5 12	3°14'57	10♈42	7° 9	5°54	11°42	27°31	17°35	12°35	21° 4	23° 9	12° 7	13°22	21° 7	23°30	S 17
M18	12 9 9	4°14'00	24°46	7°44	7° 6	12°21	27°42	17°42	12°34	21° 6	23° 7	11°57	13°18	21°14	23°33	M18
T 19	12 13 5	5°13'01	8♉58	8°23	8°18	13° 0	27°53	17°49	12°34	21° 7	23° 6	11°51	13°15	21°21	23°36	T 19
W20	12 17 2	6°11'59	23°15	9° 6	9°30	13°39	28° 4	17°56	12°33	21° 9	23° 4	11°47	13°12	21°27	23°40	W20
T 21	12 20 58	7°10'56	7♊32	9°52	10°42	14°17	28°15	18° 4	12°33	21°11	23° 2	11°D46	13° 9	21°34	23°43	T 21
F 22	12 24 55	8° 9'50	21°45	10°42	11°54	14°56	28°26	18°11	12°32	21°12	23° 1	11°46	13° 6	21°40	23°46	F 22
S 23	12 28 52	9° 8'41	5♋54	11°35	13° 5	15°35	28°37	18°18	12°32	21°14	22°59	11°R47	13° 3	21°47	23°49	S 23
S 24	12 32 48	10° 7'30	19°57	12°32	14°17	16°13	28°48	18°25	12°31	21°16	22°58	11°46	12°59	21°54	23°52	S 24
M25	12 36 45	11° 6'17	3♌53	13°31	15°29	16°52	29° 0	18°32	12°30	21°18	22°56	11°44	12°56	22° 0	23°56	M25
T 26	12 40 41	12° 5'02	17°42	14°32	16°40	17°31	29°11	18°39	12°30	21°20	22°55	11°39	12°53	22° 7	23°59	T 26
W27	12 44 38	13° 3'44	1♍22	15°37	17°52	18° 9	29°23	18°46	12°29	21°21	22°53	11°33	12°50	22°14	24° 2	W27
T 28	12 48 34	14° 2'24	14°51	16°44	19° 3	18°48	29°34	18°54	12°28	21°23	22°52	11°24	12°47	22°20	24° 5	T 28
F 29	12 52 31	15° 1'02	28° 8	17°53	20°14	19°26	29°46	19° 1	12°27	21°25	22°50	11°14	12°43	22°27	24° 8	F 29
S 30	12 56 27	15°59'38	11♎11	19° 5	21°25	20° 4	29°58	19° 7	12°26	21°27	22°49	11° 4	12°40	22°34	24°11	S 30
S 31	13 0 24	16♈58'12	24♎ 0	20♓19	22♉36	20♑43	0♊ 9	19♓14	12♐25	21♉29	22♍47	10♐56	12♐37	22♐40	24♒13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s59	0s16	4s59	5s20	2n58	6n13	0s20	23s48	0s16	18n30	0s35	7s29	1s57	22s23	0n 0	16n21	1s43	18n 9	17n 3	22s33	22s36	22s39	8s38	5n45
S 2	4 36	5 22	4 44	5 50	2 46	6 43	0 17	23 49	0 18	18 32	0 35	7 26	1 57	22 23	0 0	16 21	1 43	18 9	17 3	22 32	22 36	22 39	8 36	5 45
S 3	4 12	10 6	4 15	6 19	2 32	7 14	0 14	23 50	0 19	18 35	0 35	7 24	1 57	22 23	0 0	16 21	1 43	18 10	17 3	22 31	22 35	22 38	8 35	5 45
M 4	3 49	14 16	3 33	6 46	2 18	7 44	0 11	23 50	0 20	18 37	0 34	7 21	1 57	22 24	0 0	16 22	1 43	18 11	17 3	22 29	22 35	22 38	8 34	5 45
T 5	3 25	17 42	2 42	7 13	2 4	8 14	0 9	23 50	0 21	18 40	0 34	7 18	1 57	22 24	0 0	16 22	1 43	18 12	17 3	22 29	22 34	22 37	8 32	5 45
W 6	3 2	20 17	1 45	7 37	1 49	8 44	0 6	23 50	0 23	18 42	0 34	7 15	1 57	22 24	0 0	16 23	1 43	18 12	17 3	22 28	22 34	22 37	8 31	5 45
T 7	2 38	21 55	0 43	7 59	1 33	9 14	0 3	23 50	0 24	18 45	0 34	7 12	1 57	22 24	0 0	16 23	1 43	18 13	17 3	22 28	22 34	22 37	8 30	5 45
F 8	2 15	22 33	0n20	8 20	1 18	9 44	0n 0	23 50	0 25	18 47	0 34	7 9	1 57	22 24	0 0	16 23	1 43	18 14	17 3	22 28	22 33	22 36	8 28	5 46
S 9	1 51	22 11	1 21	8 38	1 3	10 13	0 3	23 49	0 26	18 50	0 34	7 6	1 57	22 24	0 0	16 24	1 42	18 14	17 3	22 28	22 33	22 36	8 27	5 46
S 10	1 28	20 48	2 20	8 53	0 48	10 43	0 7	23 48	0 28	18 52	0 33	7 4	1 57	22 24	0 0	16 24	1 42	18 15	17 3	22 28	22 33	22 36	8 26	5 46
M11	1 4	18 29	3 13	9 7	0 33	11 11	0 10	23 47	0 29	18 55	0 33	7 1	1 57	22 24	0 0	16 25	1 42	18 16	17 3	22 28	22 32	22 35	8 25	5 46
T 12	0 40	15 19	3 58	9 18	0 19	11 40	0 13	23 46	0 30	18 57	0 33	6 58	1 57	22 24	0 0	16 25	1 42	18 16	17 3	22 27	22 32	22 35	8 23	5 46
W13	0 17	11 24	4 33	9 26	0 5	12 9	0 16	23 45	0 32	19 0	0 33	6 55	1 57	22 24	0 0	16 26	1 42	18 17	17 3	22 26	22 31	22 34	8 22	5 46
T 14	0n 7	6 53	4 55	9 33	0s 9	12 37	0 19	23 44	0 33	19 2	0 33	6 52	1 57	22 24	0 0	16 26	1 42	18 18	17 3	22 25	22 31	22 34	8 21	5 46
F 15	0 31	1 57	5 2	9 37	0 22	13 4	0 22	23 42	0 34	19 5	0 32	6 49	1 57	22 24	0 0	16 27	1 42	18 18	17 3	22 23	22 31	22 34	8 19	5 47
S 16	0 54	3n13	4 53	9 38	0 34	13 32	0 25	23 40	0 36	19 7	0 32	6 47	1 57	22 24	0 0	16 27	1 42	18 19	17 3	22 22	22 30	22 33	8 18	5 47
S 17	1 18	8 19	4 26	9 38	0 46	13 59	0 28	23 38	0 37	19 10	0 32	6 44	1 58	22 24	0 0	16 27	1 42	18 19	17 3	22 20	22 30	22 33	8 17	5 47
M18	1 41	13 5	3 43	9 35	0 57	14 26	0 31	23 36	0 39	19 13	0 32	6 41	1 58	22 24	0 0	16 28	1 42	18 20	17 3	22 19	22 29	22 32	8 16	5 47
T 19	2 5	17 9	2 45	9 31	1 8	14 53	0 35	23 34	0 40	19 15	0 32	6 38	1 58	22 24	0 0	16 28	1 42	18 21	17 3	22 18	22 29	22 32	8 14	5 47
W20	2 28	20 14	1 37	9 24	1 18	15 19	0 38	23 32	0 42	19 18	0 32	6 36	1 58	22 24	0 0	16 29	1 42	18 21	17 3	22 18	22 29	22 31	8 13	5 48
T 21	2 52	22 2	0 23	9 15	1 28	15 45	0 41	23 29	0 43	19 20	0 31	6 33	1 58	22 23	0 0	16 29	1 42	18 22	17 3	22 17	22 28	22 31	8 12	5 48
F 22	3 15	22 24	0s53	9 4	1 37	16 10	0 44	23 26	0 45	19 23	0 31	6 30	1 58	22 23	0 0	16 30	1 42	18 22	17 3	22 17	22 28	22 30	8 11	5 48
S 23	3 38	21 19	2 5	8 52	1 45	16 35	0 47	23 23	0 46	19 26	0 31	6 27	1 58	22 23	0 0	16 30	1 42	18 23	17 3	22 18	22 27	22 30	8 9	5 48
S 24	4 2	18 56	3 9	8 37	1 53	17 0	0 50	23 20	0 48	19 28	0 31	6 25	1 58	22 23	0 0	16 31	1 42	18 23	17 3	22 18	22 27	22 30	8 8	5 48
M25	4 25	15 27	4 1	8 21	2 0	17 24	0 54	23 17	0 49	19 31	0 31	6 22	1 58	22 23	0 0	16 31	1 42	18 24	17 2	22 17	22 27	22 29	8 7	5 49
T 26	4 48	11 10	4 39	8 3	2 7	17 48	0 57	23 13	0 51	19 34	0 31	6 19	1 58	22 23	0 0	16 32	1 42	18 24	17 2	22 17	22 26	22 29	8 6	5 49
W27	5 11	6 21	5 0	7 44	2 13	18 11	1 0	23 10	0 52	19 36	0 30	6 17	1 59	22 23	0 0	16 32	1 42	18 25	17 2	22 16	22 26	22 28	8 5	5 49
T 28	5 34	1 19	5 4	7 23	2 18	18 34	1 3	23 6	0 54	19 39	0 30	6 14	1 59	22 23	0 0	16 33	1 42	18 25	17 2	22 14	22 25	22 28	8 3	5 49
F 29	5 56	3s43	4 52	7 0	2 23	18 56	1 6	23 2	0 55	19 42	0 30	6 11	1 59	22 23	0 0	16 33	1 42	18 26	17 2	22 13	22 25	22 27	8 2	5 49
S 30	6 19	8 30	4 24	6 35	2 27	19 18	1 9	22 58	0 57	19 44	0 30	6 9	1 59	22 23	0 0	16 34	1 42	18 26	17 2	22 12	22 25	22 27	8 1	5 50
S 31	6n42	12s49	3s44	6s10	2s31	19n40	1n12	22s54	0s59	19n47	0s30	6s 6	1s59	22s23	0n 0	16n35	1s41	18n27	17n 1	22s11	22s24	22s26	8s 0	5n50

Julian Day Number = 2170374.5, Delta T = 12m22s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'19, Lahiri = 13°07'19 Julian Calendar 1 March 1230 == Greg. Calendar 8 March 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

APRIL 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 4 20	17♈56'44	6♏32	21♓35	23♉48	21♋21	0♊21	19♓21	12°R24	21♉31	22°R46	10°R49	12♐34	22♐47	24♒16	M 1
T 2	13 8 17	18°55'14	18°51	22°54	24°58	21°59	0°33	19°28	12♐23	21°33	22♏44	10♐44	12°31	22°54	24°19	T 2
W 3	13 12 14	19°53'42	0♐56	24°14	26° 9	22°38	0°45	19°35	12°22	21°35	22°43	10°41	12°28	23° 0	24°22	W 3
T 4	13 16 10	20°52'09	12°52	25°37	27°20	23°16	0°57	19°42	12°21	21°37	22°41	10°D41	12°24	23° 7	24°25	T 4
F 5	13 20 7	21°50'34	24°41	27° 1	28°31	23°54	1°10	19°49	12°19	21°39	22°40	10°42	12°21	23°14	24°27	F 5
S 6	13 24 3	22°48'57	6♋30	28°28	29°41	24°32	1°22	19°55	12°18	21°41	22°38	10°43	12°18	23°20	24°30	S 6
S 7	13 28 0	23°47'19	18°21	29°56	0♊52	25°10	1°34	20° 2	12°17	21°43	22°37	10°R44	12°15	23°27	24°32	S 7
M 8	13 31 56	24°45'39	0♒22	1♈27	2° 2	25°48	1°46	20° 9	12°15	21°45	22°36	10°44	12°12	23°33	24°35	M 8
T 9	13 35 53	25°43'58	12°36	2°59	3°12	26°26	1°59	20°15	12°14	21°47	22°34	10°43	12° 9	23°40	24°37	T 9
W10	13 39 49	26°42'15	25° 9	4°33	4°23	27° 3	2°11	20°22	12°13	21°49	22°33	10°39	12° 5	23°47	24°40	W10
T 11	13 43 46	27°40'30	8♓ 4	6° 9	5°33	27°41	2°24	20°28	12°11	21°51	22°32	10°34	12° 2	23°53	24°42	T 11
F 12	13 47 43	28°38'44	21°24	7°46	6°43	28°19	2°37	20°35	12°10	21°53	22°31	10°28	11°59	24° 0	24°45	F 12
S 13	13 51 39	29°36'56	5♈ 8	9°26	7°53	28°56	2°49	20°41	12° 8	21°55	22°29	10°21	11°56	24° 7	24°47	S 13
S 14	13 55 36	0♉35'07	19°14	11° 7	9° 2	29°34	3° 2	20°47	12° 6	21°57	22°28	10°15	11°53	24°13	24°49	S 14
M15	13 59 32	1°33'15	3♉38	12°51	10°12	0♒11	3°15	20°54	12° 5	22° 0	22°27	10°10	11°49	24°20	24°51	M15
T 16	14 3 29	2°31'23	18°15	14°36	11°22	0°49	3°27	21° 0	12° 3	22° 2	22°26	10° 6	11°46	24°27	24°53	T 16
W17	14 7 25	3°29'28	2♊57	16°23	12°31	1°26	3°40	21° 6	12° 1	22° 4	22°25	10°D 5	11°43	24°33	24°55	W17
T 18	14 11 22	4°27'32	17°37	18°11	13°40	2° 3	3°53	21°12	12° 0	22° 6	22°23	10° 5	11°40	24°40	24°57	T 18
F 19	14 15 18	5°25'34	2♋11	20° 2	14°50	2°40	4° 6	21°18	11°58	22° 8	22°22	10° 6	11°37	24°47	24°59	F 19
S 20	14 19 15	6°23'34	16°34	21°54	15°59	3°17	4°19	21°24	11°56	22°10	22°21	10° 7	11°34	24°53	25° 1	S 20
S 21	14 23 12	7°21'32	0♌43	23°49	17° 8	3°54	4°32	21°30	11°54	22°12	22°20	10°R 8	11°30	25° 0	25° 3	S 21
M22	14 27 8	8°19'28	14°37	25°45	18°17	4°31	4°45	21°36	11°52	22°15	22°19	10° 8	11°27	25° 7	25° 5	M22
T 23	14 31 5	9°17'22	28°15	27°43	19°25	5° 8	4°58	21°42	11°50	22°17	22°18	10° 7	11°24	25°13	25° 7	T 23
W24	14 35 1	10°15'14	11♍39	29°43	20°34	5°44	5°12	21°48	11°48	22°19	22°17	10° 4	11°21	25°20	25° 8	W24
T 25	14 38 58	11°13'04	24°48	1♉44	21°42	6°21	5°25	21°54	11°46	22°21	22°16	10° 0	11°18	25°27	25°10	T 25
F 26	14 42 54	12°10'53	7♎42	3°47	22°51	6°57	5°38	21°59	11°44	22°23	22°15	9°56	11°14	25°33	25°12	F 26
S 27	14 46 51	13° 8'40	20°24	5°52	23°59	7°33	5°51	22° 5	11°42	22°26	22°14	9°52	11°11	25°40	25°13	S 27
S 28	14 50 47	14° 6'26	2♏53	7°58	25° 7	8°10	6° 5	22°11	11°40	22°28	22°13	9°48	11° 8	25°46	25°15	S 28
M29	14 54 44	15° 4'10	15°10	10° 6	26°15	8°46	6°18	22°16	11°38	22°30	22°13	9°45	11° 5	25°53	25°16	M29
T 30	14 58 41	16♉ 1'52	27♏17	12♉15	27♊23	9♒22	6♊31	22♓22	11♐36	22♉32	22♍12	9♐43	11♐ 2	26♐ 0	25♒17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n 4	16s28	2s53	5s42	2s34	20n 1	1n15	22s50	1s 0	19n50	0s30	6s 3	1s59	22s22	0n 0	16n35	1s41	18n27	17n 1	22s10	22s24	22s26	7s59	5n50
T 2	7 26	19 20	1 55	5 13	2 37	20 21	1 18	22 45	1 2	19 52	0 30	6 1	1 59	22 22	0 0	16 36	1 41	18 27	17 1	22 9	22 23	22 25	7 58	5 50
W 3	7 49	21 17	0 52	4 43	2 38	20 41	1 21	22 41	1 4	19 55	0 29	5 58	1 59	22 22	0 0	16 36	1 41	18 28	17 1	22 9	22 23	22 25	7 56	5 51
T 4	8 11	22 14	0n12	4 12	2 40	21 1	1 24	22 36	1 5	19 58	0 29	5 56	2 0	22 22	0 0	16 37	1 41	18 28	17 1	22 8	22 23	22 24	7 55	5 51
F 5	8 33	22 11	1 15	3 39	2 41	21 19	1 27	22 31	1 7	20 0	0 29	5 53	2 0	22 22	0 0	16 37	1 41	18 29	17 0	22 9	22 22	22 24	7 54	5 51
S 6	8 55	21 8	2 15	3 4	2 41	21 38	1 30	22 26	1 9	20 3	0 29	5 51	2 0	22 22	0 0	16 38	1 41	18 29	17 0	22 9	22 22	22 23	7 53	5 51
S 7	9 16	19 9	3 10	2 29	2 41	21 56	1 33	22 21	1 11	20 5	0 29	5 48	2 0	22 22	0 0	16 38	1 41	18 29	17 0	22 9	22 21	22 22	7 52	5 52
M 8	9 38	16 18	3 56	1 52	2 40	22 13	1 35	22 16	1 12	20 8	0 29	5 46	2 0	22 21	0 0	16 39	1 41	18 30	17 0	22 9	22 21	22 22	7 51	5 52
T 9	9 59	12 43	4 34	1 14	2 39	22 29	1 38	22 10	1 14	20 11	0 28	5 43	2 0	22 21	0 0	16 39	1 41	18 30	16 59	22 9	22 20	22 21	7 50	5 52
W10	10 20	8 30	4 59	0 35	2 37	22 46	1 41	22 5	1 16	20 13	0 28	5 41	2 0	22 21	0 0	16 40	1 41	18 30	16 59	22 8	22 20	22 21	7 49	5 52
T 11	10 41	3 47	5 9	0n 5	2 34	23 1	1 44	21 59	1 18	20 16	0 28	5 38	2 1	22 21	0 0	16 41	1 41	18 30	16 59	22 7	22 20	22 20	7 48	5 53
F 12	11 2	1n14	5 4	0 47	2 31	23 16	1 46	21 53	1 20	20 19	0 28	5 36	2 1	22 21	0 0	16 41	1 41	18 31	16 59	22 7	22 19	22 20	7 47	5 53
S 13	11 23	6 21	4 42	1 29	2 28	23 30	1 49	21 47	1 22	20 21	0 28	5 33	2 1	22 20	0 0	16 42	1 41	18 31	16 58	22 6	22 19	22 19	7 46	5 53
S 14	11 43	11 17	4 1	2 13	2 24	23 44	1 51	21 41	1 23	20 24	0 28	5 31	2 1	22 20	0s 0	16 42	1 41	18 31	16 58	22 5	22 18	22 19	7 45	5 54
M15	12 4	15 41	3 5	2 58	2 19	23 57	1 54	21 35	1 25	20 26	0 28	5 29	2 1	22 20	0 0	16 43	1 41	18 31	16 58	22 4	22 18	22 18	7 44	5 54
T 16	12 24	19 12	1 56	3 43	2 14	24 9	1 56	21 29	1 27	20 29	0 28	5 26	2 1	22 20	0 0	16 43	1 41	18 31	16 57	22 3	22 18	22 17	7 43	5 54
W17	12 44	21 28	0 39	4 29	2 8	24 21	1 59	21 22	1 29	20 32	0 27	5 24	2 2	22 20	0 0	16 44	1 41	18 32	16 57	22 3	22 17	22 17	7 42	5 54
T 18	13 4	22 17	0s41	5 17	2 2	24 32	2 1	21 16	1 31	20 34	0 27	5 22	2 2	22 19	0 0	16 45	1 41	18 32	16 57	22 3	22 17	22 16	7 41	5 55
F 19	13 23	21 33	1 58	6 5	1 56	24 42	2 3	21 9	1 33	20 37	0 27	5 20	2 2	22 19	0 0	16 45	1 41	18 32	16 56	22 3	22 16	22 16	7 40	5 55
S 20	13 42	19 26	3 6	6 54	1 48	24 52	2 5	21 3	1 35	20 39	0 27	5 17	2 2	22 19	0 0	16 46	1 41	18 32	16 56	22 4	22 16	22 15	7 39	5 55
S 21	14 1	16 8	4 2	7 43	1 41	25 1	2 7	20 56	1 37	20 42	0 27	5 15	2 2	22 19	0 0	16 46	1 41	18 32	16 56	22 4	22 15	22 14	7 38	5 56
M22	14 20	12 0	4 43	8 33	1 33	25 10	2 9	20 49	1 39	20 44	0 27	5 13	2 2	22 18	0 0	16 47	1 41	18 32	16 55	22 4	22 15	22 14	7 37	5 56
T 23	14 39	7 20	5 6	9 23	1 24	25 18	2 11	20 42	1 41	20 47	0 27	5 11	2 3	22 18	0 0	16 47	1 41	18 32	16 55	22 3	22 14	22 13	7 36	5 56
W24	14 57	2 24	5 13	10 14	1 16	25 25	2 13	20 35	1 43	20 49	0 26	5 9	2 3	22 18	0 0	16 48	1 41	18 32	16 55	22 3	22 14	22 13	7 36	5 56
T 25	15 15	2s33	5 3	11 5	1 6	25 31	2 15	20 28	1 45	20 52	0 26	5 7	2 3	22 18	0 0	16 49	1 41	18 32	16 54	22 3	22 14	22 12	7 35	5 57
F 26	15 33	7 19	4 37	11 56	0 57	25 37	2 17	20 21	1 48	20 54	0 26	5 5	2 3	22 17	0 0	16 49	1 41	18 32	16 54	22 2	22 13	22 11	7 34	5 57
S 27	15 51	11 41	3 59	12 48	0 47	25 42	2 18	20 13	1 50	20 57	0 26	5 2	2 3	22 17	0 0	16 50	1 41	18 32	16 53	22 1	22 13	22 11	7 33	5 57
S 28	16 8	15 29	3 9	13 39	0 37	25 47	2 20	20 6	1 52	20 59	0 26	5 0	2 4	22 17	0 0	16 50	1 41	18 32	16 53	22 1	22 12	22 10	7 32	5 58
M29	16 25	18 32	2 11	14 29	0 27	25 50	2 21	19 59	1 54	21 1	0 26	4 58	2 4	22 17	0 0	16 51	1 41	18 32	16 53	22 0	22 12	22 9	7 32	5 58
T 30	16n42	20s44	1s 8	15n19	0s16	25n53	2n23	19s51	1s56	21n 4	0s26	4s56	2s 4	22s16	0s 0	16n51	1s41	18n32	16n52	22s 0	22s11	22s 9	7s31	5n58

Julian Day Number = 2170405.5, Delta T = 12m22s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'23, Lahiri = 13°07'23 Julian Calendar 1 Apr. 1230 == Greg. Calendar 8 Apr. 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

MAY 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 2 37	16♉59'34	9♐15	14♉24	28♊30	9♒57	6♊45	22♓27	11°R34	22♉35	22°R11	9°D42	10♐59	26♐ 6	25♒19	W 1
T 2	15 6 34	17°57'14	21° 7	16°35	29°38	10°33	6°58	22°32	11♐32	22°37	22♍10	9♐43	10°55	26°13	25°20	T 2
F 3	15 10 30	18°54'53	2♋56	18°46	0♋45	11° 9	7°12	22°38	11°30	22°39	22° 9	9°44	10°52	26°20	25°21	F 3
S 4	15 14 27	19°52'31	14°44	20°58	1°52	11°44	7°25	22°43	11°27	22°41	22° 9	9°46	10°49	26°26	25°22	S 4
S 5	15 18 23	20°50'08	26°37	23° 9	2°59	12°20	7°39	22°48	11°25	22°44	22° 8	9°47	10°46	26°33	25°23	S 5
M 6	15 22 20	21°47'43	8♒37	25°21	4° 6	12°55	7°52	22°53	11°23	22°46	22° 7	9°48	10°43	26°40	25°24	M 6
T 7	15 26 16	22°45'18	20°51	27°32	5°12	13°30	8° 6	22°58	11°21	22°48	22° 7	9°R49	10°40	26°46	25°25	T 7
W 8	15 30 13	23°42'52	3♓22	29°42	6°19	14° 5	8°19	23° 3	11°18	22°50	22° 6	9°48	10°36	26°53	25°26	W 8
T 9	15 34 10	24°40'25	16°15	1♊51	7°25	14°39	8°33	23° 8	11°16	22°53	22° 6	9°48	10°33	27° 0	25°27	T 9
F 10	15 38 6	25°37'57	29°32	3°59	8°31	15°14	8°47	23°12	11°14	22°55	22° 5	9°46	10°30	27° 6	25°28	F 10
S 11	15 42 3	26°35'28	13♈16	6° 5	9°37	15°48	9° 0	23°17	11°11	22°57	22° 5	9°44	10°27	27°13	25°29	S 11
S 12	15 45 59	27°32'58	27°25	8°10	10°43	16°23	9°14	23°22	11° 9	22°59	22° 4	9°43	10°24	27°20	25°29	S 12
M13	15 49 56	28°30'27	11♉58	10°13	11°48	16°57	9°28	23°26	11° 7	23° 2	22° 4	9°42	10°20	27°26	25°30	M13
T 14	15 53 52	29°27'56	26°48	12°13	12°54	17°31	9°41	23°31	11° 4	23° 4	22° 3	9°41	10°17	27°33	25°31	T 14
W15	15 57 49	0♊25'24	11♊48	14°12	13°59	18° 4	9°55	23°35	11° 2	23° 6	22° 3	9°D41	10°14	27°40	25°31	W15
T 16	16 1 45	1°22'50	26°50	16° 8	15° 4	18°38	10° 9	23°39	11° 0	23° 8	22° 3	9°41	10°11	27°46	25°31	T 16
F 17	16 5 42	2°20'16	11♋45	18° 2	16° 9	19°11	10°22	23°44	10°57	23°11	22° 2	9°42	10° 8	27°53	25°32	F 17
S 18	16 9 39	3°17'40	26°27	19°53	17°13	19°44	10°36	23°48	10°55	23°13	22° 2	9°42	10° 5	27°59	25°32	S 18
S 19	16 13 35	4°15'03	10♌50	21°42	18°17	20°17	10°50	23°52	10°52	23°15	22° 2	9°43	10° 1	28° 6	25°32	S 19
M20	16 17 32	5°12'25	24°51	23°29	19°21	20°50	11° 4	23°56	10°50	23°17	22° 2	9°43	9°58	28°13	25°33	M20
T 21	16 21 28	6° 9'46	8♍30	25°13	20°25	21°22	11°18	24° 0	10°47	23°19	22° 1	9°R43	9°55	28°19	25°33	T 21
W22	16 25 25	7° 7'05	21°48	26°54	21°29	21°55	11°31	24° 3	10°45	23°22	22° 1	9°43	9°52	28°26	25°33	W22
T 23	16 29 21	8° 4'24	4♎45	28°32	22°32	22°27	11°45	24° 7	10°42	23°24	22° 1	9°43	9°49	28°33	25°R33	T 23
F 24	16 33 18	9° 1'42	17°25	0♋ 8	23°35	22°59	11°59	24°11	10°40	23°26	22° 1	9°43	9°46	28°39	25°33	F 24
S 25	16 37 14	9°58'58	29°51	1°41	24°38	23°30	12°13	24°14	10°38	23°28	22° 1	9°D43	9°42	28°46	25°33	S 25
S 26	16 41 11	10°56'14	12♏ 4	3°12	25°40	24° 2	12°26	24°18	10°35	23°30	22°D 1	9°43	9°39	28°53	25°33	S 26
M27	16 45 8	11°53'30	24° 8	4°40	26°42	24°33	12°40	24°21	10°33	23°32	22° 1	9°43	9°36	28°59	25°32	M27
T 28	16 49 4	12°50'44	6♐ 5	6° 5	27°44	25° 4	12°54	24°24	10°30	23°35	22° 1	9°R43	9°33	29° 6	25°32	T 28
W29	16 53 1	13°47'58	17°56	7°27	28°46	25°34	13° 8	24°28	10°28	23°37	22° 1	9°43	9°30	29°13	25°32	W29
T 30	16 56 57	14°45'12	29°45	8°46	29°47	26° 4	13°22	24°31	10°25	23°39	22° 1	9°43	9°26	29°19	25°31	T 30
F 31	17 0 54	15♊42'25	11♋34	10♋ 3	0♌48	26♒34	13♊35	24♓34	10♐23	23♉41	22♍ 1	9♐42	9♐23	29♐26	25♒31	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16n59	21s58	0s 2	16n 8	0s 6	25n56	2n24	19s44	1s58	21n 6	0s26	4s54	2s 4	22s16	0s 0	16n52	1s41	18n32	16n52	22s 0	22s11	22s 8	7s30	5n59	
T 2	17 15	22 12	1n 3	16 57	0n 5	25 57	2 25	19 36	2 1	21 9	0 26	4 53	2 4	22 16	0 0	16 53	1 41	18 32	16 51	22 0	22 10	22 7	7 29	5 59	
F 3	17 31	21 26	2 5	17 44	0 16	25 58	2 26	19 28	2 3	21 11	0 25	4 51	2 5	22 15	0 0	16 53	1 41	18 32	16 51	22 0	22 10	22 7	7 29	5 59	
S 4	17 47	19 43	3 2	18 29	0 26	25 59	2 27	19 20	2 5	21 13	0 25	4 49	2 5	22 15	0 0	16 54	1 41	18 32	16 50	22 0	22 10	22 6	7 28	6 0	
S 5	18 2	17 8	3 51	19 13	0 36	25 58	2 28	19 13	2 7	21 16	0 25	4 47	2 5	22 15	0 0	16 54	1 41	18 32	16 50	22 1	22 9	22 5	7 27	6 0	
M 6	18 17	13 49	4 31	19 56	0 46	25 57	2 29	19 5	2 10	21 18	0 25	4 45	2 5	22 15	0 0	16 55	1 41	18 32	16 50	22 1	22 9	22 5	7 27	6 0	
T 7	18 32	9 52	5 0	20 36	0 56	25 56	2 30	18 57	2 12	21 20	0 25	4 43	2 5	22 14	0 0	16 56	1 41	18 32	16 49	22 1	22 8	22 4	7 26	6 1	
W 8	18 47	5 25	5 15	21 14	1 5	25 53	2 30	18 49	2 14	21 23	0 25	4 42	2 6	22 14	0 0	16 56	1 41	18 31	16 49	22 1	22 8	22 3	7 25	6 1	
T 9	19 1	0 37	5 15	21 49	1 14	25 50	2 31	18 41	2 17	21 25	0 25	4 40	2 6	22 14	0 0	16 57	1 41	18 31	16 48	22 1	22 7	22 3	7 25	6 1	
F 10	19 15	4n22	4 58	22 22	1 22	25 47	2 31	18 33	2 19	21 27	0 25	4 38	2 6	22 13	0 0	16 57	1 41	18 31	16 48	22 0	22 7	22 2	7 24	6 2	
S 11	19 28	9 18	4 24	22 53	1 30	25 42	2 31	18 25	2 22	21 29	0 24	4 37	2 6	22 13	0 0	16 58	1 41	18 31	16 47	22 0	22 6	22 1	7 24	6 2	
S 12	19 42	13 55	3 34	23 21	1 37	25 37	2 32	18 17	2 24	21 31	0 24	4 35	2 7	22 13	0 0	16 58	1 41	18 31	16 47	22 0	22 6	22 1	7 23	6 2	
M13	19 55	17 50	2 28	23 46	1 43	25 32	2 32	18 9	2 27	21 34	0 24	4 33	2 7	22 12	0 0	16 59	1 41	18 30	16 46	22 0	22 5	22 0	7 23	6 3	
T 14	20 7	20 40	1 11	24 9	1 49	25 25	2 32	18 1	2 29	21 36	0 24	4 32	2 7	22 12	0 0	16 59	1 41	18 30	16 46	22 0	22 5	21 59	7 22	6 3	
W15	20 19	22 6	0s12	24 29	1 54	25 19	2 31	17 53	2 32	21 38	0 24	4 30	2 7	22 12	0 0	17 0	1 41	18 30	16 45	22 0	22 5	21 58	7 22	6 3	
T 16	20 31	21 56	1 34	24 46	1 58	25 11	2 31	17 45	2 34	21 40	0 24	4 29	2 8	22 11	0 0	17 1	1 41	18 29	16 45	22 0	22 4	21 58	7 21	6 4	
F 17	20 43	20 13	2 49	25 1	2 2	25 3	2 31	17 37	2 37	21 42	0 24	4 27	2 8	22 11	0 0	17 1	1 41	18 29	16 45	22 0	22 4	21 57	7 21	6 4	
S 18	20 54	17 9	3 52	25 13	2 4	24 54	2 30	17 28	2 39	21 44	0 24	4 26	2 8	22 11	0 0	17 2	1 41	18 29	16 44	22 0	22 3	21 56	7 20	6 4	
S 19	21 5	13 7	4 38	25 23	2 6	24 45	2 29	17 20	2 42	21 46	0 24	4 24	2 8	22 10	0 0	17 2	1 41	18 28	16 44	22 0	22 3	21 55	7 20	6 5	
M20	21 15	8 28	5 7	25 30	2 7	24 35	2 29	17 12	2 44	21 48	0 24	4 23	2 9	22 10	0 0	17 3	1 41	18 28	16 43	22 0	22 2	21 55	7 20	6 5	
T 21	21 26	3 30	5 18	25 35	2 8	24 25	2 28	17 4	2 47	21 50	0 23	4 22	2 9	22 10	0 0	17 3	1 41	18 28	16 43	22 0	22 2	21 54	7 19	6 5	
W22	21 35	1s29	5 11	25 38	2 8	24 14	2 27	16 56	2 50	21 52	0 23	4 21	2 9	22 9	0 0	17 4	1 41	18 27	16 42	22 0	22 1	21 53	7 19	6 6	
T 23	21 45	6 18	4 48	25 38	2 7	24 2	2 25	16 48	2 52	21 54	0 23	4 19	2 9	22 9	0 0	17 4	1 41	18 27	16 42	22 0	22 1	21 52	7 19	6 6	
F 24	21 54	10 44	4 12	25 37	2 5	23 50	2 24	16 40	2 55	21 56	0 23	4 18	2 9	22 9	0 0	17 5	1 41	18 27	16 41	22 0	22 0	21 52	7 18	6 6	
S 25	22 2	14 38	3 24	25 34	2 2	23 37	2 22	16 32	2 58	21 58	0 23	4 17	2 10	22 8	0 0	17 5	1 41	18 26	16 41	22 0	22 0	21 51	7 18	6 7	
S 26	22 11	17 52	2 28	25 29	1 59	23 24	2 21	16 24	3 1	22 0	0 23	4 16	2 10	22 8	0 0	17 6	1 41	18 26	16 40	22 0	21 59	21 50	7 18	6 7	
M27	22 18	20 16	1 26	25 22	1 55	23 11	2 19	16 16	3 3	22 2	0 23	4 15	2 10	22 8	0 0	17 7	1 41	18 25	16 40	22 0	21 59	21 49	7 18	6 7	
T 28	22 26	21 45	0 20	25 14	1 50	22 56	2 17	16 9	3 6	22 4	0 23	4 14	2 11	22 7	0 0	17 7	1 41	18 25	16 39	22 0	21 58	21 49	7 17	6 8	
W29	22 33	22 14	0n46	25 5	1 45	22 42	2 15	16 1	3 9	22 6	0 23	4 13	2 11	22 7	0 0	17 8	1 41	18 24	16 39	22 0	21 58	21 48	7 17	6 8	
T 30	22 40	21 43	1 49	24 54	1 39	22 27	2 13	15 53	3 12	22 7	0 23	4 12	2 11	22 7	0 0	17 8	1 41	18 24	16 38	22 0	21 57	21 47	7 17	6 8	
F 31	22n46	20s15	2n48	24n41	1n32	22n11	2n11	15s45	3s15	22n 9	0s22	4s11	2s11	22s 6	0s 0	17n 9	1s41	18n23	16n38	22s 0	21s57	21s46	7s17	6n 9	

Julian Day Number = 2170435.5, Delta T = 12m22s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'27, Lahiri = 13°07'28 Julian Calendar 1 May 1230 == Greg. Calendar 8 May 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

JUNE 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 50	16♊39'37	23♉24	11♋17	1♌48	27♒ 4	13♊49	24♓37	10°R20	23♉43	22♍ 1	9°R41	9♐20	29♐33	25°R30	S 1
S 2	17 8 47	17°36'49	5♒20	12°28	2°49	27°34	14° 3	24°40	10♐18	23°45	22° 2	9♐40	9°17	29°39	25♒30	S 2
M 3	17 12 43	18°34'01	17°23	13°35	3°49	28° 3	14°17	24°42	10°15	23°47	22° 2	9°39	9°14	29°46	25°29	M 3
T 4	17 16 40	19°31'13	29°38	14°40	4°48	28°32	14°30	24°45	10°13	23°49	22° 2	9°38	9°11	29°53	25°28	T 4
W 5	17 20 37	20°28'25	12♓ 8	15°41	5°47	29° 0	14°44	24°48	10°11	23°51	22° 3	9°38	9° 7	29°59	25°28	W 5
T 6	17 24 33	21°25'36	24°57	16°40	6°46	29°29	14°58	24°50	10° 8	23°54	22° 3	9°D38	9° 4	0♑ 6	25°27	T 6
F 7	17 28 30	22°22'48	8♈ 9	17°34	7°44	29°56	15°12	24°52	10° 6	23°56	22° 3	9°38	9° 1	0°13	25°26	F 7
S 8	17 32 26	23°20'00	21°46	18°26	8°42	0♓24	15°25	24°55	10° 3	23°58	22° 4	9°39	8°58	0°19	25°25	S 8
S 9	17 36 23	24°17'12	5♉48	19°14	9°40	0°51	15°39	24°57	10° 1	24° 0	22° 4	9°40	8°55	0°26	25°24	S 9
M10	17 40 19	25°14'23	20°16	19°58	10°37	1°18	15°53	24°59	9°59	24° 2	22° 5	9°41	8°52	0°33	25°23	M10
T 11	17 44 16	26°11'35	5♊ 6	20°38	11°34	1°44	16° 6	25° 1	9°56	24° 4	22° 5	9°R41	8°48	0°39	25°22	T 11
W12	17 48 12	27° 8'47	20°11	21°15	12°30	2°10	16°20	25° 3	9°54	24° 6	22° 6	9°41	8°45	0°46	25°21	W12
T 13	17 52 9	28° 5'59	5♋23	21°47	13°26	2°36	16°34	25° 5	9°52	24° 7	22° 6	9°40	8°42	0°52	25°20	T 13
F 14	17 56 6	29° 3'11	20°32	22°15	14°21	3° 1	16°47	25° 6	9°50	24° 9	22° 7	9°38	8°39	0°59	25°18	F 14
S 15	18 0 2	0♋ 0'23	5♌29	22°39	15°16	3°26	17° 1	25° 8	9°47	24°11	22° 7	9°36	8°36	1° 6	25°17	S 15
S 16	18 3 59	0°57'34	20° 7	22°59	16°10	3°50	17°14	25° 9	9°45	24°13	22° 8	9°33	8°32	1°12	25°16	S 16
M17	18 7 55	1°54'45	4♍19	23°14	17° 4	4°14	17°28	25°11	9°43	24°15	22° 9	9°31	8°29	1°19	25°14	M17
T 18	18 11 52	2°51'56	18° 5	23°25	17°57	4°38	17°42	25°12	9°41	24°17	22° 9	9°29	8°26	1°26	25°13	T 18
W19	18 15 48	3°49'07	1♎24	23°31	18°49	5° 1	17°55	25°13	9°38	24°19	22°10	9°D28	8°23	1°32	25°11	W19
T 20	18 19 45	4°46'17	14°18	23°R32	19°41	5°23	18° 8	25°14	9°36	24°21	22°11	9°29	8°20	1°39	25°10	T 20
F 21	18 23 41	5°43'28	26°52	23°28	20°32	5°45	18°22	25°15	9°34	24°22	22°12	9°30	8°17	1°46	25° 8	F 21
S 22	18 27 38	6°40'38	9♏ 9	23°20	21°23	6° 7	18°35	25°16	9°32	24°24	22°13	9°32	8°13	1°52	25° 7	S 22
S 23	18 31 35	7°37'49	21°13	23° 7	22°13	6°28	18°49	25°17	9°30	24°26	22°14	9°33	8°10	1°59	25° 5	S 23
M24	18 35 31	8°34'59	3♐ 8	22°49	23° 2	6°48	19° 2	25°18	9°28	24°28	22°15	9°34	8° 7	2° 6	25° 3	M24
T 25	18 39 28	9°32'10	14°59	22°28	23°50	7° 8	19°15	25°18	9°26	24°29	22°15	9°R34	8° 4	2°12	25° 1	T 25
W26	18 43 24	10°29'21	26°47	22° 2	24°38	7°28	19°29	25°19	9°24	24°31	22°16	9°33	8° 1	2°19	24°59	W26
T 27	18 47 21	11°26'32	8♑35	21°32	25°25	7°47	19°42	25°19	9°22	24°33	22°17	9°30	7°58	2°26	24°58	T 27
F 28	18 51 17	12°23'44	20°27	20°59	26°11	8° 5	19°55	25°19	9°20	24°34	22°18	9°26	7°54	2°32	24°56	F 28
S 29	18 55 14	13°20'56	2♒23	20°23	26°56	8°23	20° 8	25°19	9°18	24°36	22°20	9°20	7°51	2°39	24°54	S 29
S 30	18 59 11	14♋18'09	14♒25	19♋45	27♌40	8♓40	20♊21	25°R20	9♐16	24♉38	22♍21	9♐14	7♐48	2♑46	24♒52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n52	17s54	3n40	24n28	1n25	21n55	2n 8	15s38	3s18	22n11	0s22	4s10	2s12	22s 6	0s 0	17n 9	1s41	18n23	16n37	22s 0	21s57	21s45	7s17	6n 9
S 2	22 58	14 47	4 22	24 14	1 17	21 39	2 5	15 30	3 20	22 13	0 22	4 9	2 12	22 6	0 0	17 10	1 41	18 22	16 37	22 0	21 56	21 45	7 17	6 9
M 3	23 3	11 1	4 54	23 59	1 8	21 22	2 3	15 23	3 23	22 14	0 22	4 8	2 12	22 5	0 1	17 10	1 41	18 22	16 36	21 59	21 56	21 44	7 17	6 9
T 4	23 7	6 46	5 12	23 42	0 59	21 5	2 0	15 15	3 26	22 16	0 22	4 7	2 12	22 5	0 1	17 11	1 41	18 21	16 36	21 59	21 55	21 43	7 16	6 10
W 5	23 12	2 9	5 17	23 26	0 49	20 47	1 57	15 8	3 29	22 18	0 22	4 6	2 13	22 5	0 1	17 11	1 41	18 21	16 35	21 59	21 55	21 42	7 16	6 10
T 6	23 16	2n40	5 6	23 8	0 39	20 29	1 53	15 1	3 32	22 19	0 22	4 6	2 13	22 4	0 1	17 12	1 41	18 20	16 35	21 59	21 54	21 41	7 16	6 10
F 7	23 19	7 31	4 39	22 50	0 28	20 11	1 50	14 54	3 35	22 21	0 22	4 5	2 13	22 4	0 1	17 12	1 41	18 19	16 34	21 59	21 54	21 40	7 16	6 11
S 8	23 22	12 9	3 55	22 32	0 16	19 52	1 46	14 47	3 38	22 23	0 22	4 4	2 13	22 4	0 1	17 13	1 41	18 19	16 34	21 59	21 53	21 40	7 16	6 11
S 9	23 25	16 17	2 57	22 13	0 4	19 33	1 42	14 40	3 41	22 24	0 22	4 4	2 14	22 3	0 1	17 13	1 41	18 18	16 33	21 59	21 53	21 39	7 16	6 11
M10	23 27	19 35	1 46	21 54	0s 9	19 13	1 38	14 33	3 44	22 26	0 22	4 3	2 14	22 3	0 1	17 13	1 41	18 17	16 33	22 0	21 52	21 38	7 16	6 12
T 11	23 29	21 39	0 25	21 35	0 22	18 54	1 34	14 26	3 47	22 27	0 22	4 2	2 14	22 3	0 1	17 14	1 41	18 17	16 32	22 0	21 52	21 37	7 17	6 12
W12	23 30	22 13	0s58	21 16	0 35	18 34	1 30	14 20	3 50	22 29	0 21	4 2	2 15	22 2	0 1	17 14	1 41	18 16	16 32	22 0	21 51	21 36	7 17	6 12
T 13	23 31	21 8	2 17	20 58	0 49	18 13	1 25	14 13	3 54	22 30	0 21	4 2	2 15	22 2	0 1	17 15	1 41	18 15	16 31	22 0	21 51	21 35	7 17	6 12
F 14	23 32	18 33	3 27	20 39	1 3	17 53	1 21	14 7	3 57	22 32	0 21	4 1	2 15	22 2	0 1	17 15	1 41	18 15	16 31	21 59	21 50	21 34	7 17	6 13
S 15	23 32	14 45	4 21	20 20	1 18	17 32	1 16	14 1	4 0	22 33	0 21	4 1	2 15	22 1	0 1	17 16	1 41	18 14	16 30	21 59	21 50	21 34	7 17	6 13
S 16	23 32	10 8	4 57	20 3	1 33	17 11	1 11	13 55	4 3	22 34	0 21	4 0	2 16	22 1	0 1	17 16	1 41	18 13	16 30	21 58	21 49	21 33	7 17	6 13
M17	23 31	5 5	5 14	19 45	1 48	16 50	1 6	13 49	4 6	22 36	0 21	4 0	2 16	22 1	0 1	17 17	1 41	18 13	16 29	21 58	21 49	21 32	7 17	6 14
T 18	23 30	0s 3	5 12	19 28	2 3	16 28	1 0	13 43	4 9	22 37	0 21	4 0	2 16	22 0	0 1	17 17	1 41	18 12	16 29	21 58	21 48	21 31	7 18	6 14
W19	23 29	5 2	4 53	19 12	2 19	16 7	0 55	13 38	4 13	22 38	0 21	4 0	2 16	22 0	0 1	17 17	1 41	18 11	16 28	21 58	21 48	21 30	7 18	6 14
T 20	23 27	9 38	4 19	18 57	2 34	15 45	0 49	13 32	4 16	22 40	0 21	3 59	2 17	22 0	0 1	17 18	1 41	18 10	16 28	21 58	21 47	21 29	7 18	6 14
F 21	23 25	13 43	3 34	18 43	2 49	15 23	0 43	13 27	4 19	22 41	0 21	3 59	2 17	21 59	0 1	17 18	1 41	18 10	16 27	21 58	21 47	21 28	7 18	6 15
S 22	23 22	17 7	2 40	18 30	3 4	15 1	0 37	13 22	4 22	22 42	0 21	3 59	2 17	21 59	0 1	17 19	1 41	18 9	16 27	21 58	21 46	21 27	7 19	6 15
S 23	23 19	19 44	1 39	18 18	3 18	14 39	0 30	13 17	4 26	22 43	0 21	3 59	2 18	21 59	0 1	17 19	1 41	18 8	16 26	21 58	21 46	21 26	7 19	6 15
M24	23 16	21 27	0 35	18 7	3 32	14 16	0 24	13 12	4 29	22 45	0 20	3 59	2 18	21 58	0 1	17 19	1 41	18 7	16 26	21 59	21 45	21 26	7 19	6 15
T 25	23 12	22 12	0n30	17 57	3 45	13 54	0 17	13 8	4 32	22 46	0 20	3 59	2 18	21 58	0 1	17 20	1 42	18 6	16 25	21 59	21 45	21 25	7 20	6 16
W26	23 7	21 57	1 33	17 49	3 58	13 31	0 10	13 3	4 35	22 47	0 20	3 59	2 18	21 58	0 1	17 20	1 42	18 6	16 25	21 58	21 44	21 24	7 20	6 16
T 27	23 3	20 44	2 32	17 42	4 9	13 9	0 3	12 59	4 39	22 48	0 20	3 59	2 19	21 58	0 1	17 21	1 42	18 5	16 24	21 58	21 44	21 23	7 21	6 16
F 28	22 57	18 36	3 25	17 37	4 20	12 46	0s 4	12 55	4 42	22 49	0 20	3 59	2 19	21 57	0 1	17 21	1 42	18 4	16 24	21 57	21 43	21 22	7 21	6 16
S 29	22 52	15 40	4 9	17 33	4 29	12 24	0 12	12 52	4 45	22 50	0 20	4 0	2 19	21 57	0 1	17 21	1 42	18 3	16 23	21 57	21 43	21 21	7 21	6 17
S 30	22n46	12s 4	4n43	17n31	4s37	12n 1	0s20	12s48	4s48	22n51	0s20	4s 0	2s20	21s57	0s 1	17n22	1s42	18n 2	16n23	21s56	21s42	21s20	7s22	6n17

Julian Day Number = 2170466.5, Delta T = 12m21s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'31, Lahiri = 13°07'32 Julian Calendar 1 June 1230 == Greg. Calendar 8 June 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

JULY 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 3 7	15♋15'22	26♒36	19°R 5	28♌24	8♓57	20♊35	25°R20	9°R14	24♉39	22♍22	9°R 8	7♐45	2♑52	24°R50	M 1
T 2	19 7 4	16°12'36	8♓58	18♋24	29° 6	9°13	20°48	25♓19	9♐13	24°41	22°23	9♐ 3	7°42	2°59	24♒47	T 2
W 3	19 11 0	17° 9'50	21°32	17°42	29°48	9°28	21° 1	25°19	9°11	24°42	22°24	8°59	7°38	3° 6	24°45	W 3
T 4	19 14 57	18° 7'06	4♈22	17° 1	0♍28	9°43	21°14	25°19	9° 9	24°44	22°25	8°56	7°35	3°12	24°43	T 4
F 5	19 18 53	19° 4'22	17°30	16°21	1° 7	9°57	21°26	25°18	9° 7	24°45	22°27	8°D55	7°32	3°19	24°41	F 5
S 6	19 22 50	20° 1'39	0♉59	15°42	1°45	10°11	21°39	25°18	9° 6	24°47	22°28	8°56	7°29	3°26	24°39	S 6
S 7	19 26 46	20°58'58	14°52	15° 6	2°23	10°23	21°52	25°17	9° 4	24°48	22°29	8°57	7°26	3°32	24°36	S 7
M 8	19 30 43	21°56'17	29° 7	14°34	2°58	10°35	22° 5	25°16	9° 2	24°50	22°30	8°58	7°23	3°39	24°34	M 8
T 9	19 34 40	22°53'38	13♊44	14° 5	3°33	10°47	22°18	25°16	9° 1	24°51	22°32	8°R58	7°19	3°46	24°31	T 9
W10	19 38 36	23°50'59	28°39	13°40	4° 6	10°57	22°30	25°15	8°59	24°52	22°33	8°57	7°16	3°52	24°29	W10
T 11	19 42 33	24°48'21	13♋46	13°21	4°38	11° 7	22°43	25°14	8°58	24°54	22°35	8°53	7°13	3°59	24°27	T 11
F 12	19 46 29	25°45'45	28°55	13° 7	5° 9	11°16	22°56	25°12	8°57	24°55	22°36	8°48	7°10	4° 6	24°24	F 12
S 13	19 50 26	26°43'09	13♌56	12°58	5°38	11°24	23° 8	25°11	8°55	24°56	22°37	8°41	7° 7	4°12	24°22	S 13
S 14	19 54 22	27°40'34	28°40	12°D55	6° 6	11°32	23°21	25°10	8°54	24°58	22°39	8°34	7° 4	4°19	24°19	S 14
M15	19 58 19	28°37'59	13♍ 1	12°59	6°32	11°39	23°33	25° 8	8°52	24°59	22°40	8°27	7° 0	4°26	24°16	M15
T 16	20 2 15	29°35'25	26°53	13° 9	6°57	11°45	23°45	25° 7	8°51	25° 0	22°42	8°21	6°57	4°32	24°14	T 16
W17	20 6 12	0♌32'52	10♎17	13°25	7°20	11°50	23°58	25° 5	8°50	25° 1	22°44	8°17	6°54	4°39	24°11	W17
T 18	20 10 9	1°30'20	23°14	13°48	7°41	11°54	24°10	25° 4	8°49	25° 2	22°45	8°15	6°51	4°46	24° 8	T 18
F 19	20 14 5	2°27'48	5♏47	14°18	8° 0	11°58	24°22	25° 2	8°48	25° 3	22°47	8°D15	6°48	4°52	24° 6	F 19
S 20	20 18 2	3°25'18	18° 2	14°54	8°17	12° 0	24°34	25° 0	8°47	25° 4	22°48	8°15	6°44	4°59	24° 3	S 20
S 21	20 21 58	4°22'48	0♐ 2	15°37	8°33	12° 2	24°46	24°58	8°46	25° 5	22°50	8°16	6°41	5° 6	24° 0	S 21
M22	20 25 55	5°20'19	11°54	16°26	8°47	12° 4	24°58	24°56	8°45	25° 6	22°52	8°R17	6°38	5°12	23°57	M22
T 23	20 29 51	6°17'51	23°42	17°22	8°58	12°R 4	25°10	24°53	8°44	25° 7	22°53	8°15	6°35	5°19	23°55	T 23
W24	20 33 48	7°15'24	5♑30	18°23	9° 7	12° 3	25°22	24°51	8°43	25° 8	22°55	8°12	6°32	5°26	23°52	W24
T 25	20 37 44	8°12'58	17°22	19°31	9°15	12° 2	25°34	24°49	8°42	25° 9	22°57	8° 6	6°29	5°32	23°49	T 25
F 26	20 41 41	9°10'34	29°19	20°45	9°20	12° 0	25°45	24°46	8°41	25°10	22°59	7°57	6°25	5°39	23°46	F 26
S 27	20 45 38	10° 8'10	11♒24	22° 4	9°23	11°57	25°57	24°44	8°40	25°11	23° 0	7°47	6°22	5°46	23°43	S 27
S 28	20 49 34	11° 5'48	23°38	23°28	9°R23	11°53	26° 8	24°41	8°40	25°12	23° 2	7°36	6°19	5°52	23°40	S 28
M29	20 53 31	12° 3'27	6♓ 2	24°58	9°21	11°49	26°20	24°38	8°39	25°13	23° 4	7°24	6°16	5°59	23°37	M29
T 30	20 57 27	13° 1'07	18°37	26°32	9°17	11°44	26°31	24°36	8°38	25°14	23° 6	7°14	6°13	6° 6	23°35	T 30
W31	21 1 24	13♌58'49	1♈23	28♋10	9♍11	11♓38	26♊43	24♓33	8♐38	25♉14	23♍ 8	7♐ 5	6♐10	6♑12	23♒32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n40	7s56	5n 4	17n30	4s43	11n39	0s28	12s45	4s52	22n52	0s20	4s 0	2s20	21s56	0s 1	17n22	1s42	18n 1	16n23	21s55	21s42	21s19	7s22	6n17
T 2	22 33	3 26	5 11	17 31	4 48	11 16	0 36	12 42	4 55	22 53	0 20	4 0	2 20	21 56	0 1	17 22	1 42	18 1	16 22	21 54	21 41	21 18	7 23	6 17
W 3	22 26	1n17	5 4	17 33	4 51	10 54	0 44	12 39	4 58	22 54	0 20	4 1	2 20	21 56	0 1	17 23	1 42	18 0	16 22	21 53	21 40	21 17	7 23	6 17
T 4	22 18	6 2	4 41	17 37	4 53	10 32	0 53	12 36	5 2	22 55	0 20	4 1	2 21	21 56	0 1	17 23	1 42	17 59	16 21	21 53	21 40	21 16	7 24	6 18
F 5	22 11	10 39	4 3	17 42	4 52	10 9	1 2	12 34	5 5	22 56	0 20	4 2	2 21	21 55	0 1	17 23	1 42	17 58	16 21	21 53	21 39	21 15	7 24	6 18
S 6	22 2	14 51	3 12	17 48	4 50	9 47	1 11	12 32	5 8	22 57	0 20	4 2	2 21	21 55	0 1	17 24	1 42	17 57	16 20	21 53	21 39	21 14	7 25	6 18
S 7	21 54	18 23	2 7	17 56	4 47	9 25	1 20	12 30	5 11	22 58	0 19	4 3	2 21	21 55	0 1	17 24	1 42	17 56	16 20	21 53	21 38	21 13	7 26	6 18
M 8	21 45	20 55	0 53	18 5	4 41	9 4	1 30	12 28	5 15	22 59	0 19	4 3	2 22	21 55	0 1	17 24	1 42	17 55	16 20	21 53	21 38	21 12	7 26	6 18
T 9	21 35	22 7	0s26	18 14	4 34	8 42	1 40	12 27	5 18	23 0	0 19	4 4	2 22	21 54	0 1	17 24	1 42	17 54	16 19	21 53	21 37	21 11	7 27	6 19
W10	21 25	21 47	1 45	18 25	4 26	8 21	1 49	12 26	5 21	23 0	0 19	4 4	2 22	21 54	0 1	17 25	1 42	17 53	16 19	21 53	21 37	21 10	7 27	6 19
T 11	21 15	19 53	2 57	18 37	4 16	8 0	2 0	12 25	5 24	23 1	0 19	4 5	2 23	21 54	0 1	17 25	1 42	17 52	16 18	21 52	21 36	21 9	7 28	6 19
F 12	21 5	16 36	3 57	18 49	4 5	7 39	2 10	12 24	5 27	23 2	0 19	4 6	2 23	21 54	0 1	17 25	1 42	17 51	16 18	21 52	21 36	21 8	7 29	6 19
S 13	20 54	12 15	4 40	19 2	3 53	7 18	2 21	12 24	5 31	23 3	0 19	4 6	2 23	21 54	0 1	17 26	1 42	17 50	16 17	21 50	21 35	21 7	7 29	6 19
S 14	20 43	7 15	5 3	19 15	3 40	6 58	2 31	12 24	5 34	23 3	0 19	4 7	2 23	21 53	0 1	17 26	1 42	17 50	16 17	21 49	21 35	21 6	7 30	6 19
M15	20 31	1 59	5 7	19 29	3 27	6 38	2 42	12 24	5 37	23 4	0 19	4 8	2 24	21 53	0 1	17 26	1 42	17 49	16 17	21 48	21 34	21 5	7 31	6 19
T 16	20 19	3s13	4 52	19 42	3 12	6 19	2 54	12 25	5 40	23 5	0 19	4 9	2 24	21 53	0 1	17 26	1 42	17 48	16 16	21 47	21 34	21 4	7 32	6 20
W17	20 7	8 5	4 21	19 55	2 57	6 0	3 5	12 25	5 43	23 5	0 19	4 10	2 24	21 53	0 1	17 27	1 42	17 47	16 16	21 47	21 33	21 3	7 32	6 20
T 18	19 54	12 26	3 38	20 9	2 41	5 41	3 17	12 26	5 46	23 6	0 19	4 11	2 24	21 53	0 1	17 27	1 42	17 46	16 16	21 46	21 33	21 2	7 33	6 20
F 19	19 41	16 6	2 46	20 21	2 26	5 23	3 28	12 28	5 48	23 7	0 19	4 12	2 25	21 52	0 1	17 27	1 43	17 45	16 15	21 46	21 32	21 1	7 34	6 20
S 20	19 28	18 59	1 47	20 33	2 10	5 5	3 40	12 29	5 51	23 7	0 18	4 13	2 25	21 52	0 1	17 27	1 43	17 44	16 15	21 46	21 31	21 0	7 35	6 20
S 21	19 15	20 58	0 44	20 45	1 53	4 48	3 52	12 31	5 54	23 8	0 18	4 14	2 25	21 52	0 1	17 27	1 43	17 43	16 14	21 47	21 31	20 59	7 36	6 20
M22	19 1	21 59	0n19	20 55	1 37	4 32	4 5	12 33	5 56	23 8	0 18	4 15	2 25	21 52	0 1	17 28	1 43	17 42	16 14	21 47	21 30	20 58	7 36	6 20
T 23	18 47	22 2	1 22	21 4	1 21	4 16	4 17	12 35	5 59	23 9	0 18	4 16	2 26	21 52	0 1	17 28	1 43	17 41	16 14	21 46	21 30	20 57	7 37	6 20
W24	18 32	21 5	2 21	21 11	1 6	4 1	4 30	12 38	6 2	23 9	0 18	4 17	2 26	21 52	0 1	17 28	1 43	17 40	16 13	21 46	21 29	20 56	7 38	6 20
T 25	18 17	19 13	3 13	21 17	0 50	3 47	4 42	12 40	6 4	23 10	0 18	4 18	2 26	21 52	0 1	17 28	1 43	17 39	16 13	21 45	21 29	20 55	7 39	6 20
F 26	18 2	16 30	3 58	21 21	0 35	3 33	4 55	12 43	6 6	23 10	0 18	4 19	2 26	21 51	0 1	17 28	1 43	17 38	16 13	21 44	21 28	20 54	7 40	6 20
S 27	17 47	13 4	4 32	21 23	0 21	3 20	5 8	12 46	6 9	23 11	0 18	4 21	2 27	21 51	0 1	17 28	1 43	17 37	16 12	21 42	21 28	20 53	7 41	6 21
S 28	17 31	9 4	4 54	21 23	0 7	3 8	5 20	12 50	6 11	23 11	0 18	4 22	2 27	21 51	0 1	17 29	1 43	17 36	16 12	21 40	21 27	20 52	7 41	6 21
M29	17 15	4 38	5 3	21 20	0n 7	2 57	5 33	12 53	6 13	23 11	0 18	4 23	2 27	21 51	0 1	17 29	1 43	17 35	16 12	21 38	21 27	20 51	7 42	6 21
T 30	16 59	0n 2	4 57	21 15	0 19	2 47	5 46	12 57	6 15	23 12	0 18	4 25	2 27	21 51	0 1	17 29	1 43	17 34	16 12	21 36	21 26	20 50	7 43	6 21
W31	16n42	4n47	4n37	21n 7	0n31	2n38	5s58	13s 1	6s16	23n12	0s18	4s26	2s28	21s51	0s 1	17n29	1s43	17n33	16n11	21s35	21s25	20s49	7s44	6n21

Julian Day Number = 2170496.5, Delta T = 12m21s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'35, Lahiri = 13°07'36 Julian Calendar 1 July 1230 == Greg. Calendar 8 July 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

AUGUST 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 20	14♌56'33	14♈21	29♋52	9°R 2	11°R31	26♊54	24°R30	8°R37	25♉15	23♍10	6°R59	6♐ 6	6♑19	23°R29	T 1
F 2	21 9 17	15°54'18	27°33	1♌38	8♍50	11♓23	27° 5	24♓27	8♐37	25°16	23°12	6♐56	6° 3	6°26	23♒26	F 2
S 3	21 13 13	16°52'05	11♉ 1	3°27	8°37	11°15	27°16	24°24	8°36	25°16	23°14	6°54	6° 0	6°32	23°23	S 3
S 4	21 17 10	17°49'54	24°46	5°18	8°21	11° 6	27°27	24°20	8°36	25°17	23°15	6°D54	5°57	6°39	23°20	S 4
M 5	21 21 7	18°47'45	8♊49	7°12	8° 2	10°56	27°38	24°17	8°36	25°18	23°17	6°R54	5°54	6°46	23°17	M 5
T 6	21 25 3	19°45'37	23°10	9° 7	7°42	10°45	27°49	24°14	8°35	25°18	23°19	6°54	5°50	6°52	23°14	T 6
W 7	21 29 0	20°43'32	7♋47	11° 3	7°19	10°34	27°59	24°10	8°35	25°19	23°21	6°51	5°47	6°59	23°11	W 7
T 8	21 32 56	21°41'28	22°36	13° 1	6°55	10°22	28°10	24° 7	8°35	25°19	23°23	6°45	5°44	7° 6	23° 8	T 8
F 9	21 36 53	22°39'26	7♌29	14°59	6°28	10°10	28°20	24° 3	8°35	25°20	23°25	6°37	5°41	7°12	23° 5	F 9
S 10	21 40 49	23°37'25	22°19	16°58	5°59	9°57	28°31	23°59	8°35	25°20	23°27	6°27	5°38	7°19	23° 2	S 10
S 11	21 44 46	24°35'26	6♍56	18°57	5°29	9°43	28°41	23°56	8°D35	25°20	23°30	6°16	5°35	7°26	22°59	S 11
M12	21 48 42	25°33'29	21°14	20°55	4°57	9°29	28°51	23°52	8°35	25°21	23°32	6° 5	5°31	7°32	22°56	M12
T 13	21 52 39	26°31'33	5♎ 7	22°53	4°24	9°14	29° 2	23°48	8°35	25°21	23°34	5°55	5°28	7°39	22°53	T 13
W14	21 56 36	27°29'38	18°33	24°51	3°50	8°59	29°12	23°44	8°35	25°21	23°36	5°48	5°25	7°46	22°50	W14
T 15	22 0 32	28°27'45	1♏32	26°48	3°14	8°44	29°21	23°40	8°35	25°22	23°38	5°43	5°22	7°52	22°47	T 15
F 16	22 4 29	29°25'54	14° 7	28°44	2°38	8°28	29°31	23°36	8°35	25°22	23°40	5°41	5°19	7°59	22°44	F 16
S 17	22 8 25	0♍24'04	26°22	0♍40	2° 1	8°12	29°41	23°32	8°36	25°22	23°42	5°40	5°15	8° 6	22°41	S 17
S 18	22 12 22	1°22'16	8♐24	2°34	1°24	7°56	29°50	23°28	8°36	25°22	23°44	5°40	5°12	8°12	22°38	S 18
M19	22 16 18	2°20'29	20°16	4°27	0°47	7°40	29°59	23°24	8°36	25°22	23°47	5°40	5° 9	8°19	22°35	M19
T 20	22 20 15	3°18'44	2♑ 4	6°19	0°10	7°23	0♋ 9	23°20	8°37	25°22	23°49	5°38	5° 6	8°26	22°32	T 20
W21	22 24 11	4°17'00	13°54	8°11	29♌34	7° 7	0°19	23°15	8°37	25°22	23°51	5°34	5° 3	8°32	22°29	W21
T 22	22 28 8	5°15'18	25°49	10° 1	28°58	6°50	0°28	23°11	8°38	25°R22	23°53	5°26	5° 0	8°39	22°26	T 22
F 23	22 32 5	6°13'37	7♒53	11°49	28°23	6°33	0°37	23° 7	8°38	25°22	23°55	5°17	4°56	8°46	22°24	F 23
S 24	22 36 1	7°11'59	20° 9	13°37	27°49	6°17	0°46	23° 2	8°39	25°22	23°58	5° 5	4°53	8°52	22°21	S 24
S 25	22 39 58	8°10'22	2♓37	15°24	27°16	6° 0	0°54	22°58	8°40	25°22	24° 0	4°52	4°50	8°59	22°18	S 25
M26	22 43 54	9° 8'47	15°17	17°10	26°45	5°44	1° 3	22°53	8°40	25°22	24° 2	4°38	4°47	9° 6	22°15	M26
T 27	22 47 51	10° 7'13	28°11	18°54	26°16	5°28	1°11	22°49	8°41	25°22	24° 4	4°26	4°44	9°12	22°12	T 27
W28	22 51 47	11° 5'42	11♈16	20°37	25°48	5°12	1°20	22°44	8°42	25°22	24° 6	4°16	4°41	9°19	22° 9	W28
T 29	22 55 44	12° 4'13	24°32	22°20	25°23	4°56	1°28	22°40	8°43	25°22	24° 9	4° 8	4°37	9°26	22° 7	T 29
F 30	22 59 40	13° 2'46	7♉59	24° 1	24°59	4°41	1°36	22°35	8°44	25°21	24°11	4° 4	4°34	9°32	22° 4	F 30
S 31	23 3 37	14♍ 1'22	21♉36	25♍41	24♌38	4♓26	1♋44	22♓31	8♐45	25♉21	24♍13	4♐ 2	4♐31	9♑39	22♒ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n25	9n23	4n 2	20n57	0n42	2n29	6s11	13s 5	6s18	23n12	0s18	4s27	2s28	21s51	0s 1	17n29	1s43	17n32	16n11	21s34	21s25	20s48	7s45	6n21
F 2	16 8	13 39	3 13	20 44	0 53	2 22	6 23	13 10	6 20	23 13	0 18	4 29	2 28	21 51	0 1	17 29	1 43	17 31	16 11	21 33	21 24	20 47	7 46	6 21
S 3	15 51	17 18	2 13	20 28	1 2	2 16	6 35	13 14	6 21	23 13	0 18	4 30	2 28	21 51	0 1	17 29	1 43	17 30	16 10	21 33	21 24	20 46	7 47	6 21
S 4	15 33	20 4	1 4	20 10	1 10	2 11	6 47	13 19	6 22	23 13	0 17	4 32	2 28	21 51	0 1	17 29	1 43	17 29	16 10	21 33	21 23	20 44	7 48	6 21
M 5	15 15	21 42	0s10	19 48	1 18	2 7	6 58	13 24	6 23	23 14	0 17	4 33	2 29	21 51	0 1	17 30	1 43	17 28	16 10	21 33	21 23	20 43	7 49	6 21
T 6	14 57	21 57	1 25	19 25	1 25	2 4	7 10	13 29	6 24	23 14	0 17	4 35	2 29	21 51	0 1	17 30	1 43	17 27	16 10	21 33	21 22	20 42	7 50	6 21
W 7	14 39	20 43	2 36	18 58	1 30	2 3	7 20	13 34	6 25	23 14	0 17	4 36	2 29	21 51	0 1	17 30	1 44	17 26	16 9	21 33	21 22	20 41	7 51	6 21
T 8	14 20	18 4	3 37	18 30	1 35	2 2	7 31	13 39	6 26	23 14	0 17	4 38	2 29	21 51	0 1	17 30	1 44	17 25	16 9	21 32	21 21	20 40	7 52	6 21
F 9	14 1	14 13	4 24	17 59	1 39	2 3	7 40	13 44	6 26	23 15	0 17	4 39	2 29	21 51	0 1	17 30	1 44	17 24	16 9	21 30	21 20	20 39	7 53	6 21
S 10	13 42	9 31	4 52	17 26	1 42	2 4	7 49	13 50	6 27	23 15	0 17	4 41	2 30	21 51	0 1	17 30	1 44	17 23	16 9	21 28	21 20	20 38	7 54	6 21
S 11	13 23	4 20	5 1	16 52	1 44	2 7	7 58	13 55	6 27	23 15	0 17	4 43	2 30	21 51	0 1	17 30	1 44	17 22	16 8	21 27	21 19	20 37	7 55	6 20
M12	13 3	0s58	4 51	16 15	1 46	2 12	8 6	14 0	6 27	23 15	0 17	4 44	2 30	21 51	0 1	17 30	1 44	17 21	16 8	21 25	21 19	20 36	7 56	6 20
T 13	12 43	6 4	4 24	15 37	1 47	2 17	8 13	14 6	6 27	23 15	0 17	4 46	2 30	21 51	0 1	17 30	1 44	17 19	16 8	21 23	21 18	20 35	7 57	6 20
W14	12 24	10 43	3 42	14 58	1 47	2 23	8 19	14 11	6 26	23 15	0 17	4 48	2 30	21 51	0 1	17 30	1 44	17 18	16 8	21 22	21 18	20 33	7 58	6 20
T 15	12 3	14 43	2 50	14 18	1 46	2 31	8 25	14 16	6 26	23 15	0 17	4 49	2 30	21 51	0 1	17 30	1 44	17 17	16 8	21 21	21 17	20 32	7 59	6 20
F 16	11 43	17 55	1 52	13 36	1 45	2 39	8 29	14 22	6 25	23 16	0 17	4 51	2 31	21 51	0 1	17 30	1 44	17 16	16 8	21 21	21 17	20 31	8 0	6 20
S 17	11 23	20 13	0 49	12 54	1 43	2 48	8 33	14 27	6 24	23 16	0 17	4 53	2 31	21 51	0 1	17 30	1 44	17 15	16 7	21 20	21 16	20 30	8 1	6 20
S 18	11 2	21 34	0n14	12 10	1 41	2 59	8 36	14 32	6 23	23 16	0 17	4 55	2 31	21 51	0 1	17 30	1 44	17 14	16 7	21 20	21 15	20 29	8 2	6 20
M19	10 41	21 54	1 17	11 26	1 38	3 10	8 38	14 37	6 21	23 16	0 16	4 57	2 31	21 51	0 1	17 30	1 44	17 13	16 7	21 20	21 15	20 28	8 3	6 20
T 20	10 20	21 16	2 15	10 42	1 35	3 22	8 39	14 42	6 20	23 16	0 16	4 58	2 31	21 51	0 1	17 30	1 44	17 12	16 7	21 20	21 14	20 27	8 4	6 20
W21	9 59	19 42	3 8	9 57	1 31	3 34	8 39	14 46	6 18	23 16	0 16	5 0	2 31	21 51	0 1	17 30	1 44	17 11	16 7	21 19	21 14	20 25	8 5	6 20
T 22	9 37	17 16	3 52	9 11	1 27	3 47	8 38	14 51	6 16	23 16	0 16	5 2	2 31	21 51	0 1	17 30	1 44	17 10	16 7	21 18	21 13	20 24	8 6	6 19
F 23	9 16	14 4	4 27	8 26	1 23	4 1	8 36	14 55	6 14	23 16	0 16	5 4	2 32	21 51	0 1	17 30	1 44	17 9	16 6	21 16	21 13	20 23	8 7	6 19
S 24	8 54	10 14	4 50	7 40	1 18	4 15	8 33	14 59	6 12	23 16	0 16	5 6	2 32	21 51	0 1	17 30	1 44	17 8	16 6	21 14	21 12	20 22	8 8	6 19
S 25	8 32	5 55	5 0	6 54	1 13	4 29	8 30	15 3	6 9	23 16	0 16	5 8	2 32	21 52	0 1	17 30	1 45	17 7	16 6	21 12	21 11	20 21	8 9	6 19
M26	8 10	1 17	4 55	6 7	1 7	4 43	8 25	15 7	6 7	23 16	0 16	5 9	2 32	21 52	0 1	17 30	1 45	17 6	16 6	21 9	21 11	20 20	8 11	6 19
T 27	7 48	3n29	4 35	5 21	1 2	4 58	8 20	15 11	6 4	23 16	0 16	5 11	2 32	21 52	0 1	17 29	1 45	17 5	16 6	21 7	21 10	20 18	8 12	6 19
W28	7 26	8 10	4 1	4 35	0 56	5 13	8 14	15 14	6 1	23 16	0 16	5 13	2 32	21 52	0 1	17 29	1 45	17 5	16 6	21 5	21 10	20 17	8 13	6 18
T 29	7 4	12 32	3 13	3 49	0 50	5 27	8 8	15 17	5 58	23 16	0 16	5 15	2 32	21 52	0 1	17 29	1 45	17 4	16 6	21 4	21 9	20 16	8 14	6 18
F 30	6 41	16 19	2 13	3 3	0 43	5 42	8 0	15 20	5 55	23 16	0 16	5 17	2 32	21 52	0 1	17 29	1 45	17 3	16 6	21 3	21 8	20 15	8 15	6 18
S 31	6n19	19n17	1n 5	2n17	0n37	5n56	7s53	15s22	5s51	23n16	0s16	5s19	2s32	21s52	0s 1	17n29	1s45	17n 2	16n 6	21s 2	21s 8	20s14	8s16	6n18

Julian Day Number = 2170527.5, Delta T = 12m21s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'40, Lahiri = 13°07'40 Julian Calendar 1 Aug. 1230 == Greg. Calendar 8 Aug. 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

SEPTEMBER 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 33	14♍59'59	5♊23	27♍20	24°R19	4°R11	1♋52	22°R26	8♐46	25°R21	24♍16	4°D 1	4♐28	9♑46	21°R59	S 1
M 2	23 11 30	15°58'39	19°21	28°58	24♌ 3	3♓57	2° 0	22♓21	8°47	25♉20	24°18	4°R 1	4°25	9°52	21♒56	M 2
T 3	23 15 27	16°57'22	3♋30	0♎36	23°48	3°43	2° 7	22°17	8°48	25°20	24°20	4♐ 0	4°21	9°59	21°53	T 3
W 4	23 19 23	17°56'06	17°49	2°12	23°36	3°30	2°15	22°12	8°49	25°20	24°22	3°58	4°18	10° 6	21°51	W 4
T 5	23 23 20	18°54'53	2♌15	3°47	23°27	3°17	2°22	22° 7	8°51	25°19	24°25	3°52	4°15	10°12	21°48	T 5
F 6	23 27 16	19°53'42	16°44	5°21	23°20	3° 5	2°29	22° 3	8°52	25°19	24°27	3°44	4°12	10°19	21°46	F 6
S 7	23 31 13	20°52'33	1♍10	6°55	23°16	2°53	2°36	21°58	8°53	25°18	24°29	3°34	4° 9	10°26	21°43	S 7
S 8	23 35 9	21°51'27	15°28	8°27	23°D13	2°42	2°43	21°53	8°55	25°18	24°32	3°23	4° 6	10°32	21°41	S 8
M 9	23 39 6	22°50'22	29°30	9°59	23°14	2°32	2°50	21°49	8°56	25°17	24°34	3°12	4° 2	10°39	21°38	M 9
T 10	23 43 2	23°49'20	13♎12	11°29	23°16	2°23	2°57	21°44	8°58	25°17	24°36	3° 2	3°59	10°46	21°36	T 10
W11	23 46 59	24°48'19	26°31	12°59	23°21	2°14	3° 3	21°39	8°59	25°16	24°38	2°55	3°56	10°52	21°33	W11
T 12	23 50 56	25°47'20	9♏28	14°28	23°28	2° 6	3° 9	21°35	9° 1	25°15	24°41	2°50	3°53	10°59	21°31	T 12
F 13	23 54 52	26°46'24	22° 2	15°56	23°38	1°58	3°15	21°30	9° 2	25°15	24°43	2°47	3°50	11° 6	21°29	F 13
S 14	23 58 49	27°45'29	4♐19	17°23	23°49	1°52	3°21	21°25	9° 4	25°14	24°45	2°D47	3°47	11°12	21°27	S 14
S 15	0 2 45	28°44'36	16°21	18°49	24° 3	1°46	3°27	21°21	9° 6	25°13	24°48	2°47	3°43	11°19	21°24	S 15
M16	0 6 42	29°43'44	28°14	20°14	24°18	1°41	3°33	21°16	9° 8	25°12	24°50	2°R48	3°40	11°26	21°22	M16
T 17	0 10 38	0♎42'55	10♑ 3	21°38	24°36	1°37	3°38	21°11	9°10	25°12	24°52	2°47	3°37	11°32	21°20	T 17
W18	0 14 35	1°42'08	21°55	23° 1	24°55	1°33	3°43	21° 7	9°11	25°11	24°55	2°45	3°34	11°39	21°18	W18
T 19	0 18 31	2°41'22	3♒53	24°22	25°17	1°31	3°49	21° 2	9°13	25°10	24°57	2°40	3°31	11°46	21°16	T 19
F 20	0 22 28	3°40'38	16° 2	25°43	25°40	1°29	3°53	20°58	9°15	25° 9	24°59	2°33	3°27	11°52	21°14	F 20
S 21	0 26 25	4°39'56	28°25	27° 3	26° 5	1°28	3°58	20°53	9°17	25° 8	25° 1	2°25	3°24	11°59	21°12	S 21
S 22	0 30 21	5°39'15	11♓ 4	28°21	26°32	1°D27	4° 3	20°49	9°19	25° 7	25° 4	2°15	3°21	12° 6	21°10	S 22
M23	0 34 18	6°38'37	24° 1	29°39	27° 0	1°28	4° 7	20°44	9°21	25° 6	25° 6	2° 5	3°18	12°12	21° 8	M23
T 24	0 38 14	7°38'01	7♈14	0♏54	27°30	1°29	4°12	20°40	9°24	25° 5	25° 8	1°55	3°15	12°19	21° 7	T 24
W25	0 42 11	8°37'27	20°42	2° 9	28° 1	1°31	4°16	20°35	9°26	25° 4	25°11	1°47	3°12	12°26	21° 5	W25
T 26	0 46 7	9°36'55	4♉22	3°22	28°34	1°34	4°20	20°31	9°28	25° 3	25°13	1°42	3° 8	12°32	21° 3	T 26
F 27	0 50 4	10°36'25	18°13	4°33	29° 9	1°38	4°23	20°27	9°30	25° 2	25°15	1°39	3° 5	12°39	21° 2	F 27
S 28	0 54 0	11°35'58	2♊10	5°42	29°44	1°42	4°27	20°23	9°32	25° 1	25°17	1°D38	3° 2	12°46	21° 0	S 28
S 29	0 57 57	12°35'32	16°13	6°49	0♍21	1°48	4°30	20°19	9°35	25° 0	25°20	1°39	2°59	12°52	20°59	S 29
M30	1 1 53	13♎35'10	0♋19	7♏55	1♍ 0	1♓54	4♋33	20♓14	9♐37	24♉58	25♍22	1♐40	2♐56	12♑59	20♒57	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n56	21n10	0s 7	1n31	0n30	6n10	7s44	15s24	5s48	23n16	0s16	5s21	2s33	21s53	0s 1	17n29	1s45	17n 1	16n 6	21s 2	21s 7	20s12	8s17	6n18
M 2	5 33	21 46	1 20	0 46	0 23	6 24	7 35	15 26	5 44	23 16	0 16	5 23	2 33	21 53	0 1	17 29	1 45	17 0	16 6	21 2	21 7	20 11	8 18	6 17
T 3	5 10	21 0	2 29	0 1	0 16	6 37	7 26	15 28	5 40	23 16	0 15	5 25	2 33	21 53	0 1	17 29	1 45	16 59	16 6	21 2	21 6	20 10	8 19	6 17
W 4	4 47	18 53	3 30	0s44	0 9	6 50	7 16	15 29	5 36	23 16	0 15	5 27	2 33	21 53	0 1	17 28	1 45	16 58	16 6	21 2	21 6	20 9	8 20	6 17
T 5	4 24	15 33	4 18	1 29	0 2	7 2	7 6	15 30	5 32	23 16	0 15	5 29	2 33	21 53	0 1	17 28	1 45	16 57	16 6	21 1	21 5	20 8	8 21	6 17
F 6	4 1	11 18	4 49	2 13	0s 5	7 14	6 56	15 31	5 28	23 16	0 15	5 30	2 33	21 54	0 1	17 28	1 45	16 56	16 6	20 59	21 4	20 6	8 22	6 17
S 7	3 38	6 24	5 1	2 57	0 12	7 26	6 46	15 31	5 24	23 16	0 15	5 32	2 33	21 54	0 1	17 28	1 45	16 55	16 6	20 57	21 4	20 5	8 23	6 16
S 8	3 15	1 13	4 55	3 40	0 20	7 37	6 35	15 31	5 20	23 16	0 15	5 34	2 33	21 54	0 1	17 28	1 45	16 54	16 6	20 55	21 3	20 4	8 24	6 16
M 9	2 51	3s56	4 31	4 23	0 27	7 47	6 24	15 31	5 15	23 15	0 15	5 36	2 33	21 54	0 1	17 28	1 45	16 53	16 6	20 53	21 3	20 3	8 25	6 16
T 10	2 28	8 47	3 52	5 5	0 34	7 57	6 13	15 30	5 11	23 15	0 15	5 38	2 33	21 54	0 1	17 27	1 45	16 52	16 6	20 51	21 2	20 1	8 26	6 16
W11	2 4	13 4	3 0	5 47	0 42	8 6	6 1	15 29	5 7	23 15	0 15	5 40	2 33	21 55	0 1	17 27	1 45	16 51	16 6	20 50	21 1	20 0	8 27	6 15
T 12	1 41	16 37	2 1	6 29	0 49	8 14	5 50	15 28	5 2	23 15	0 15	5 42	2 33	21 55	0 1	17 27	1 45	16 51	16 6	20 49	21 1	19 59	8 28	6 15
F 13	1 17	19 16	0 57	7 10	0 56	8 22	5 39	15 26	4 57	23 15	0 15	5 44	2 33	21 55	0 1	17 27	1 45	16 50	16 6	20 48	21 0	19 58	8 29	6 15
S 14	0 54	20 58	0n 8	7 50	1 4	8 29	5 27	15 24	4 53	23 15	0 15	5 45	2 33	21 55	0 1	17 27	1 46	16 49	16 6	20 48	21 0	19 56	8 30	6 14
S 15	0 30	21 39	1 12	8 30	1 11	8 35	5 16	15 22	4 48	23 15	0 15	5 47	2 33	21 56	0 1	17 26	1 46	16 48	16 6	20 48	20 59	19 55	8 31	6 14
M16	0 7	21 20	2 12	9 9	1 18	8 41	5 5	15 19	4 43	23 15	0 15	5 49	2 33	21 56	0 1	17 26	1 46	16 47	16 6	20 48	20 58	19 54	8 32	6 14
T 17	0s17	20 4	3 6	9 47	1 26	8 46	4 53	15 16	4 38	23 15	0 14	5 51	2 33	21 56	0 1	17 26	1 46	16 46	16 6	20 48	20 58	19 53	8 33	6 14
W18	0 41	17 56	3 52	10 25	1 33	8 50	4 42	15 13	4 34	23 15	0 14	5 53	2 33	21 57	0 1	17 26	1 46	16 45	16 6	20 48	20 57	19 51	8 34	6 13
T 19	1 4	15 1	4 28	11 2	1 40	8 54	4 31	15 10	4 29	23 15	0 14	5 55	2 33	21 57	0 1	17 25	1 46	16 45	16 6	20 47	20 57	19 50	8 35	6 13
F 20	1 28	11 26	4 53	11 38	1 46	8 56	4 20	15 6	4 24	23 15	0 14	5 56	2 33	21 57	0 1	17 25	1 46	16 44	16 6	20 45	20 56	19 49	8 36	6 13
S 21	1 52	7 19	5 4	12 13	1 53	8 59	4 9	15 2	4 19	23 15	0 14	5 58	2 33	21 58	0 1	17 25	1 46	16 43	16 6	20 44	20 55	19 48	8 36	6 12
S 22	2 15	2 48	5 1	12 48	2 0	9 0	3 58	14 57	4 14	23 15	0 14	6 0	2 33	21 58	0 1	17 25	1 46	16 42	16 7	20 42	20 55	19 46	8 37	6 12
M23	2 39	1n57	4 43	13 21	2 6	9 1	3 47	14 53	4 10	23 14	0 14	6 2	2 33	21 58	0 2	17 24	1 46	16 41	16 7	20 40	20 54	19 45	8 38	6 12
T 24	3 2	6 42	4 10	13 54	2 12	9 1	3 36	14 48	4 5	23 14	0 14	6 3	2 33	21 59	0 2	17 24	1 46	16 41	16 7	20 38	20 54	19 44	8 39	6 11
W25	3 26	11 13	3 22	14 26	2 18	9 0	3 25	14 43	4 0	23 14	0 14	6 5	2 33	21 59	0 2	17 24	1 46	16 40	16 7	20 36	20 53	19 43	8 40	6 11
T 26	3 49	15 15	2 21	14 57	2 24	8 58	3 15	14 37	3 55	23 14	0 14	6 7	2 33	21 59	0 2	17 23	1 46	16 39	16 7	20 35	20 52	19 41	8 41	6 11
F 27	4 13	18 28	1 12	15 26	2 30	8 56	3 5	14 31	3 51	23 14	0 14	6 8	2 33	22 0	0 2	17 23	1 46	16 38	16 7	20 35	20 52	19 40	8 42	6 10
S 28	4 36	20 38	0s 3	15 55	2 35	8 53	2 54	14 25	3 46	23 14	0 14	6 10	2 33	22 0	0 2	17 23	1 46	16 38	16 8	20 34	20 51	19 39	8 42	6 10
S 29	5 0	21 32	1 18	16 22	2 40	8 50	2 44	14 19	3 41	23 14	0 14	6 11	2 33	22 0	0 2	17 23	1 46	16 37	16 8	20 35	20 50	19 37	8 43	6 10
M30	5s23	21n 4	2s29	16s48	2s44	8n46	2s34	14s13	3s37	23n14	0s13	6s13	2s32	22s 1	0s 2	17n22	1s46	16n36	16n 8	20s35	20s50	19s36	8s44	6n 9

Julian Day Number = 2170558.5, Delta T = 12m21s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'44, Lahiri = 13°07'44 Julian Calendar 1 Sept. 1230 == Greg. Calendar 8 Sept. 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

OCTOBER 1230 JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 50	14♎34'49	14♋27	8♏58	1♍39	2♓ 0	4♋36	20°R10	9♐40	24°R57	25♍24	1°R41	2♐52	13♑ 6	20°R56	T 1
W 2	1 9 47	15°34'31	28°36	9°58	2°20	2° 8	4°39	20♓ 6	9°42	24♉56	25°26	1♐40	2°49	13°12	20♒54	W 2
T 3	1 13 43	16°34'15	12♌44	10°56	3° 2	2°16	4°42	20° 2	9°45	24°55	25°28	1°37	2°46	13°19	20°53	T 3
F 4	1 17 40	17°34'02	26°49	11°50	3°45	2°25	4°44	19°58	9°47	24°54	25°31	1°32	2°43	13°26	20°52	F 4
S 5	1 21 36	18°33'51	10♍47	12°41	4°29	2°34	4°47	19°55	9°50	24°52	25°33	1°26	2°40	13°32	20°51	S 5
S 6	1 25 33	19°33'41	24°37	13°28	5°14	2°44	4°49	19°51	9°52	24°51	25°35	1°19	2°37	13°39	20°49	S 6
M 7	1 29 29	20°33'34	8♎14	14°11	6° 0	2°55	4°50	19°47	9°55	24°50	25°37	1°12	2°33	13°46	20°48	M 7
T 8	1 33 26	21°33'29	21°35	14°49	6°47	3° 7	4°52	19°44	9°58	24°48	25°39	1° 6	2°30	13°53	20°47	T 8
W 9	1 37 22	22°33'26	4♏40	15°22	7°34	3°19	4°54	19°40	10° 0	24°47	25°41	1° 1	2°27	13°59	20°46	W 9
T 10	1 41 19	23°33'25	17°26	15°49	8°23	3°32	4°55	19°36	10° 3	24°46	25°43	0°58	2°24	14° 6	20°45	T 10
F 11	1 45 16	24°33'26	29°55	16°10	9°13	3°46	4°56	19°33	10° 6	24°44	25°45	0°D57	2°21	14°13	20°45	F 11
S 12	1 49 12	25°33'29	12♐ 8	16°24	10° 3	4° 0	4°57	19°30	10° 9	24°43	25°47	0°58	2°18	14°19	20°44	S 12
S 13	1 53 9	26°33'33	24°10	16°R31	10°54	4°15	4°57	19°26	10°12	24°41	25°50	1° 0	2°14	14°26	20°43	S 13
M14	1 57 5	27°33'39	6♑ 3	16°29	11°46	4°30	4°58	19°23	10°15	24°40	25°52	1° 1	2°11	14°33	20°42	M14
T 15	2 1 2	28°33'47	17°53	16°19	12°39	4°46	4°58	19°20	10°17	24°38	25°54	1° 3	2° 8	14°39	20°42	T 15
W16	2 4 58	29°33'56	29°44	15°59	13°32	5° 3	4°R58	19°17	10°20	24°37	25°56	1°R 3	2° 5	14°46	20°41	W16
T 17	2 8 55	0♏34'07	11♒42	15°29	14°26	5°20	4°58	19°14	10°23	24°35	25°58	1° 3	2° 2	14°53	20°41	T 17
F 18	2 12 51	1°34'20	23°51	14°50	15°20	5°38	4°58	19°11	10°26	24°34	26° 0	1° 1	1°58	14°59	20°40	F 18
S 19	2 16 48	2°34'34	6♓16	14° 2	16°16	5°56	4°57	19° 9	10°29	24°32	26° 2	0°57	1°55	15° 6	20°40	S 19
S 20	2 20 45	3°34'49	19° 0	13° 4	17°11	6°15	4°57	19° 6	10°33	24°31	26° 3	0°53	1°52	15°13	20°40	S 20
M21	2 24 41	4°35'06	2♈ 5	11°58	18° 8	6°34	4°56	19° 3	10°36	24°29	26° 5	0°49	1°49	15°19	20°39	M21
T 22	2 28 38	5°35'25	15°31	10°45	19° 5	6°54	4°55	19° 1	10°39	24°28	26° 7	0°45	1°46	15°26	20°39	T 22
W23	2 32 34	6°35'45	29°18	9°28	20° 2	7°14	4°53	18°59	10°42	24°26	26° 9	0°42	1°43	15°33	20°39	W23
T 24	2 36 31	7°36'07	13♉23	8° 8	21° 0	7°35	4°52	18°56	10°45	24°24	26°11	0°40	1°39	15°39	20°39	T 24
F 25	2 40 27	8°36'31	27°41	6°48	21°59	7°56	4°50	18°54	10°48	24°23	26°13	0°D39	1°36	15°46	20°D39	F 25
S 26	2 44 24	9°36'57	12♊ 6	5°31	22°58	8°18	4°48	18°52	10°52	24°21	26°15	0°39	1°33	15°53	20°39	S 26
S 27	2 48 20	10°37'24	26°35	4°19	23°58	8°40	4°46	18°50	10°55	24°20	26°16	0°40	1°30	15°59	20°39	S 27
M28	2 52 17	11°37'53	11♋ 2	3°14	24°58	9° 3	4°44	18°48	10°58	24°18	26°18	0°41	1°27	16° 6	20°39	M28
T 29	2 56 14	12°38'25	25°23	2°19	25°58	9°25	4°41	18°46	11° 1	24°16	26°20	0°43	1°24	16°13	20°40	T 29
W30	3 0 10	13°38'58	9♌35	1°34	26°59	9°49	4°38	18°44	11° 5	24°15	26°22	0°R43	1°20	16°20	20°40	W30
T 31	3 4 7	14♏39'33	23♌36	1♏ 0	28♍ 1	10♓13	4♋35	18♓43	11♐ 8	24♉13	26♍23	0♐43	1♐17	16♑26	20♒40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s46	19n16	3s30	17s12	2s49	8n41	2s25	14s 6	3s32	23n14	0s13	6s14	2s32	22s 1	0s 2	17n22	1s46	16n36	16n 8	20s35	20s49	19s35	8s45	6n 9
W 2	6 9	16 18	4 19	17 35	2 52	8 35	2 15	13 59	3 28	23 14	0 13	6 16	2 32	22 1	0 2	17 22	1 46	16 35	16 8	20 35	20 49	19 33	8 46	6 9
T 3	6 32	12 23	4 52	17 57	2 56	8 29	2 6	13 52	3 23	23 14	0 13	6 17	2 32	22 2	0 2	17 21	1 46	16 34	16 9	20 34	20 48	19 32	8 46	6 8
F 4	6 55	7 48	5 8	18 17	2 59	8 22	1 56	13 45	3 19	23 14	0 13	6 19	2 32	22 2	0 2	17 21	1 46	16 33	16 9	20 33	20 47	19 31	8 47	6 8
S 5	7 18	2 51	5 5	18 34	3 1	8 15	1 47	13 37	3 14	23 14	0 13	6 20	2 32	22 3	0 2	17 21	1 46	16 33	16 9	20 32	20 47	19 29	8 48	6 7
S 6	7 41	2s12	4 44	18 50	3 2	8 7	1 38	13 29	3 10	23 14	0 13	6 22	2 32	22 3	0 2	17 20	1 46	16 32	16 9	20 31	20 46	19 28	8 49	6 7
M 7	8 4	7 4	4 7	19 4	3 3	7 58	1 29	13 21	3 5	23 14	0 13	6 23	2 32	22 3	0 2	17 20	1 46	16 32	16 9	20 29	20 45	19 27	8 49	6 7
T 8	8 26	11 30	3 18	19 16	3 3	7 49	1 21	13 13	3 1	23 14	0 13	6 24	2 32	22 4	0 2	17 20	1 46	16 31	16 10	20 28	20 45	19 25	8 50	6 6
W 9	8 49	15 18	2 18	19 25	3 2	7 39	1 12	13 4	2 57	23 14	0 13	6 26	2 32	22 4	0 2	17 19	1 47	16 30	16 10	20 27	20 44	19 24	8 51	6 6
T 10	9 11	18 16	1 13	19 31	3 1	7 28	1 4	12 56	2 53	23 14	0 13	6 27	2 31	22 5	0 2	17 19	1 47	16 30	16 10	20 26	20 44	19 23	8 51	6 6
F 11	9 33	20 18	0 6	19 35	2 58	7 17	0 56	12 47	2 49	23 14	0 12	6 28	2 31	22 5	0 2	17 18	1 47	16 29	16 11	20 26	20 43	19 21	8 52	6 5
S 12	9 55	21 20	1n 1	19 35	2 54	7 5	0 48	12 38	2 44	23 14	0 12	6 29	2 31	22 5	0 2	17 18	1 47	16 29	16 11	20 26	20 42	19 20	8 52	6 5
S 13	10 17	21 21	2 3	19 32	2 48	6 53	0 40	12 29	2 40	23 14	0 12	6 31	2 31	22 6	0 2	17 18	1 47	16 28	16 11	20 27	20 42	19 19	8 53	6 4
M14	10 39	20 24	3 0	19 25	2 42	6 41	0 33	12 19	2 36	23 14	0 12	6 32	2 31	22 6	0 2	17 17	1 47	16 27	16 11	20 27	20 41	19 17	8 54	6 4
T 15	11 0	18 33	3 49	19 14	2 34	6 27	0 25	12 10	2 32	23 15	0 12	6 33	2 31	22 7	0 2	17 17	1 47	16 27	16 12	20 27	20 40	19 16	8 54	6 4
W16	11 22	15 55	4 28	18 59	2 24	6 14	0 18	12 0	2 29	23 15	0 12	6 34	2 31	22 7	0 2	17 17	1 47	16 26	16 12	20 27	20 40	19 15	8 55	6 3
T 17	11 43	12 36	4 56	18 39	2 12	5 59	0 11	11 50	2 25	23 15	0 12	6 35	2 30	22 8	0 2	17 16	1 47	16 26	16 12	20 27	20 39	19 13	8 55	6 3
F 18	12 4	8 44	5 11	18 15	1 59	5 45	0 4	11 40	2 21	23 15	0 12	6 36	2 30	22 8	0 2	17 16	1 47	16 25	16 13	20 27	20 39	19 12	8 56	6 2
S 19	12 25	4 25	5 12	17 46	1 44	5 29	0n 3	11 30	2 17	23 15	0 12	6 37	2 30	22 8	0 2	17 15	1 47	16 25	16 13	20 26	20 38	19 11	8 56	6 2
S 20	12 46	0n12	4 58	17 13	1 28	5 14	0 10	11 19	2 14	23 15	0 12	6 38	2 30	22 9	0 2	17 15	1 47	16 25	16 13	20 25	20 37	19 9	8 57	6 2
M21	13 6	4 56	4 28	16 35	1 10	4 58	0 16	11 9	2 10	23 15	0 12	6 39	2 30	22 9	0 2	17 15	1 47	16 24	16 14	20 24	20 37	19 8	8 57	6 1
T 22	13 26	9 34	3 43	15 55	0 50	4 41	0 22	10 58	2 6	23 15	0 11	6 39	2 30	22 10	0 2	17 14	1 47	16 24	16 14	20 23	20 36	19 6	8 58	6 1
W23	13 46	13 50	2 44	15 11	0 30	4 24	0 29	10 47	2 3	23 15	0 11	6 40	2 29	22 10	0 2	17 14	1 47	16 23	16 14	20 23	20 35	19 5	8 58	6 0
T 24	14 6	17 25	1 34	14 26	0 9	4 6	0 34	10 36	1 59	23 16	0 11	6 41	2 29	22 11	0 2	17 13	1 47	16 23	16 15	20 22	20 35	19 4	8 58	6 0
F 25	14 26	19 59	0 16	13 40	0n11	3 49	0 40	10 25	1 56	23 16	0 11	6 42	2 29	22 11	0 2	17 13	1 47	16 22	16 15	20 22	20 34	19 2	8 59	6 0
S 26	14 45	21 18	1s 3	12 55	0 31	3 30	0 46	10 14	1 53	23 16	0 11	6 42	2 29	22 12	0 2	17 13	1 47	16 22	16 16	20 22	20 33	19 1	8 59	5 59
S 27	15 4	21 11	2 18	12 13	0 51	3 12	0 51	10 3	1 49	23 16	0 11	6 43	2 29	22 12	0 2	17 12	1 47	16 22	16 16	20 22	20 33	18 59	9 0	5 59
M28	15 23	19 40	3 25	11 34	1 9	2 53	0 57	9 51	1 46	23 16	0 11	6 43	2 28	22 13	0 2	17 12	1 47	16 21	16 16	20 23	20 32	18 58	9 0	5 58
T 29	15 42	16 55	4 18	11 0	1 25	2 33	1 2	9 39	1 43	23 17	0 11	6 44	2 28	22 13	0 2	17 11	1 47	16 21	16 17	20 23	20 31	18 57	9 0	5 58
W30	16 0	13 11	4 55	10 31	1 40	2 13	1 7	9 28	1 40	23 17	0 11	6 44	2 28	22 14	0 2	17 11	1 47	16 21	16 17	20 23	20 31	18 55	9 1	5 58
T 31	16s18	8n46	5s14	10s 7	1n52	1n53	1n12	9s16	1s37	23n17	0s11	6s45	2s28	22s14	0s 2	17n11	1s47	16n20	16n18	20s23	20s30	18s54	9s 1	5n57

Julian Day Number = 2170588.5, Delta T = 12m21s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'48, Lahiri = 13°07'49 Julian Calendar 1 Oct. 1230 == Greg. Calendar 8 Oct. 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

NOVEMBER 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 8 3	15♏40'09	7♍26	0°R39	29♍ 2	10♓37	4°R32	18°R41	11♐11	24°R11	26♍25	0°R42	1♐14	16♉33	20♒41	F 1
S 2	3 12 0	16°40'48	21° 3	0°D28	0♎ 5	11° 1	4♋29	18♓40	11°15	24♉10	26°27	0♐41	1°11	16°40	20°41	S 2
S 3	3 15 56	17°41'28	4♎26	0♏29	1° 7	11°26	4°26	18°39	11°18	24° 8	26°28	0°39	1° 8	16°46	20°42	S 3
M 4	3 19 53	18°42'10	17°37	0°41	2°10	11°51	4°22	18°37	11°22	24° 6	26°30	0°37	1° 4	16°53	20°42	M 4
T 5	3 23 49	19°42'53	0♏33	1° 2	3°13	12°17	4°18	18°36	11°25	24° 4	26°32	0°36	1° 1	17° 0	20°43	T 5
W 6	3 27 46	20°43'38	13°17	1°33	4°17	12°43	4°14	18°35	11°28	24° 3	26°33	0°35	0°58	17° 6	20°44	W 6
T 7	3 31 43	21°44'25	25°47	2°11	5°21	13° 9	4°10	18°34	11°32	24° 1	26°35	0°D34	0°55	17°13	20°45	T 7
F 8	3 35 39	22°45'12	8♐ 5	2°56	6°25	13°36	4° 5	18°34	11°35	23°59	26°36	0°34	0°52	17°20	20°45	F 8
S 9	3 39 36	23°46'01	20°12	3°48	7°30	14° 3	4° 1	18°33	11°39	23°58	26°38	0°35	0°49	17°26	20°46	S 9
S 10	3 43 32	24°46'52	2♑10	4°46	8°35	14°30	3°56	18°32	11°42	23°56	26°39	0°35	0°45	17°33	20°47	S 10
M11	3 47 29	25°47'43	14° 2	5°48	9°40	14°57	3°51	18°32	11°46	23°54	26°40	0°36	0°42	17°40	20°48	M11
T 12	3 51 25	26°48'35	25°52	6°54	10°45	15°25	3°46	18°32	11°50	23°53	26°42	0°36	0°39	17°46	20°49	T 12
W13	3 55 22	27°49'28	7♒42	8° 4	11°51	15°53	3°41	18°31	11°53	23°51	26°43	0°37	0°36	17°53	20°51	W13
T 14	3 59 18	28°50'22	19°38	9°18	12°57	16°22	3°35	18°31	11°57	23°49	26°45	0°37	0°33	18° 0	20°52	T 14
F 15	4 3 15	29°51'17	1♓45	10°33	14° 3	16°51	3°30	18°D31	12° 0	23°48	26°46	0°R37	0°29	18° 7	20°53	F 15
S 16	4 7 12	0♐52'13	14° 6	11°52	15°10	17°20	3°24	18°31	12° 4	23°46	26°47	0°D37	0°26	18°13	20°54	S 16
S 17	4 11 8	1°53'09	26°46	13°12	16°17	17°49	3°18	18°32	12° 7	23°44	26°48	0°37	0°23	18°20	20°56	S 17
M18	4 15 5	2°54'06	9♈49	14°34	17°24	18°18	3°12	18°32	12°11	23°42	26°50	0°37	0°20	18°27	20°57	M18
T 19	4 19 1	3°55'04	23°17	15°57	18°31	18°48	3° 6	18°32	12°15	23°41	26°51	0°37	0°17	18°33	20°59	T 19
W20	4 22 58	4°56'03	7♉11	17°22	19°38	19°18	3° 0	18°33	12°18	23°39	26°52	0°38	0°14	18°40	21° 0	W20
T 21	4 26 54	5°57'03	21°29	18°47	20°46	19°48	2°53	18°34	12°22	23°37	26°53	0°38	0°10	18°47	21° 2	T 21
F 22	4 30 51	6°58'03	6♊ 6	20°14	21°54	20°19	2°47	18°34	12°26	23°36	26°54	0°R38	0° 7	18°53	21° 4	F 22
S 23	4 34 47	7°59'05	20°58	21°41	23° 2	20°49	2°40	18°35	12°29	23°34	26°55	0°38	0° 4	19° 0	21° 6	S 23
S 24	4 38 44	9° 0'07	5♋55	23° 9	24°10	21°20	2°33	18°36	12°33	23°33	26°56	0°37	0° 1	19° 7	21° 7	S 24
M25	4 42 41	10° 1'10	20°49	24°38	25°18	21°51	2°26	18°37	12°36	23°31	26°57	0°36	29♏58	19°13	21° 9	M25
T 26	4 46 37	11° 2'14	5♌34	26° 7	26°27	22°22	2°19	18°38	12°40	23°29	26°58	0°35	29°55	19°20	21°11	T 26
W27	4 50 34	12° 3'19	20° 2	27°37	27°36	22°54	2°12	18°40	12°44	23°28	26°59	0°34	29°51	19°27	21°13	W27
T 28	4 54 30	13° 4'25	4♍11	29° 7	28°45	23°25	2° 5	18°41	12°47	23°26	27° 0	0°33	29°48	19°33	21°15	T 28
F 29	4 58 27	14° 5'32	17°59	0♐37	29°54	23°57	1°57	18°43	12°51	23°25	27° 1	0°D33	29°45	19°40	21°17	F 29
S 30	5 2 23	15♐ 6'39	1♎25	2♐ 8	1♏ 4	24♓29	1♋50	18♓44	12♐55	23♉23	27♍ 2	0♐33	29♏42	19♉47	21♒19	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s36	3n57	5s14	9s50	2n 3	1n33	1n16	9s 4	1s34	23n17	0s10	6s45	2s28	22s14	0s 2	17n10	1s47	16n20	16n18	20s23	20s29	18s52	9s 1	5n57
S 2	16 53	0s59	4 57	9 38	2 11	1 12	1 21	8 52	1 31	23 17	0 10	6 46	2 28	22 15	0 2	17 10	1 47	16 20	16 19	20 23	20 29	18 51	9 1	5 56
S 3	17 11	5 48	4 23	9 32	2 18	0 51	1 25	8 39	1 28	23 18	0 10	6 46	2 27	22 15	0 2	17 9	1 47	16 20	16 19	20 22	20 28	18 49	9 2	5 56
M 4	17 28	10 16	3 36	9 31	2 23	0 30	1 29	8 27	1 25	23 18	0 10	6 46	2 27	22 16	0 2	17 9	1 47	16 19	16 19	20 22	20 28	18 48	9 2	5 56
T 5	17 44	14 12	2 39	9 36	2 26	0 9	1 33	8 15	1 22	23 18	0 10	6 47	2 27	22 16	0 2	17 8	1 47	16 19	16 20	20 22	20 27	18 47	9 2	5 55
W 6	18 1	17 23	1 34	9 44	2 28	0s13	1 37	8 2	1 19	23 18	0 10	6 47	2 27	22 17	0 2	17 8	1 47	16 19	16 20	20 21	20 26	18 45	9 2	5 55
T 7	18 16	19 43	0 27	9 57	2 29	0 35	1 41	7 49	1 16	23 19	0 10	6 47	2 26	22 17	0 2	17 8	1 47	16 19	16 21	20 21	20 26	18 44	9 2	5 54
F 8	18 32	21 4	0n42	10 13	2 28	0 57	1 45	7 36	1 14	23 19	0 10	6 47	2 26	22 18	0 2	17 7	1 47	16 19	16 21	20 21	20 25	18 42	9 2	5 54
S 9	18 47	21 24	1 47	10 32	2 27	1 20	1 48	7 24	1 11	23 19	0 10	6 47	2 26	22 18	0 2	17 7	1 47	16 19	16 22	20 21	20 24	18 41	9 2	5 53
S 10	19 2	20 45	2 47	10 54	2 24	1 43	1 51	7 11	1 8	23 19	0 9	6 47	2 26	22 19	0 2	17 6	1 47	16 18	16 22	20 21	20 24	18 39	9 2	5 53
M11	19 17	19 10	3 39	11 18	2 21	2 5	1 55	6 57	1 6	23 20	0 9	6 47	2 26	22 19	0 2	17 6	1 47	16 18	16 23	20 22	20 23	18 38	9 2	5 53
T 12	19 31	16 47	4 21	11 43	2 17	2 28	1 58	6 44	1 3	23 20	0 9	6 47	2 25	22 20	0 2	17 6	1 47	16 18	16 23	20 22	20 22	18 37	9 3	5 52
W13	19 45	13 42	4 53	12 10	2 12	2 51	2 0	6 31	1 1	23 20	0 9	6 47	2 25	22 20	0 2	17 5	1 47	16 18	16 24	20 22	20 22	18 35	9 3	5 52
T 14	19 59	10 3	5 12	12 39	2 7	3 15	2 3	6 18	0 58	23 20	0 9	6 47	2 25	22 21	0 2	17 5	1 47	16 18	16 24	20 22	20 21	18 34	9 3	5 52
F 15	20 12	5 57	5 18	13 8	2 1	3 38	2 6	6 4	0 56	23 21	0 9	6 47	2 25	22 21	0 2	17 4	1 47	16 18	16 25	20 22	20 20	18 32	9 3	5 51
S 16	20 25	1 32	5 9	13 38	1 55	4 2	2 8	5 51	0 53	23 21	0 9	6 46	2 25	22 22	0 2	17 4	1 47	16 18	16 25	20 22	20 20	18 31	9 2	5 51
S 17	20 37	3n 4	4 45	14 8	1 49	4 25	2 10	5 37	0 51	23 21	0 9	6 46	2 24	22 22	0 2	17 4	1 47	16 18	16 26	20 22	20 19	18 29	9 2	5 50
M18	20 49	7 41	4 7	14 38	1 43	4 49	2 12	5 23	0 49	23 22	0 8	6 46	2 24	22 23	0 2	17 3	1 47	16 18	16 26	20 22	20 18	18 28	9 2	5 50
T 19	21 1	12 4	3 13	15 9	1 36	5 13	2 14	5 10	0 46	23 22	0 8	6 45	2 24	22 23	0 2	17 3	1 47	16 18	16 27	20 22	20 18	18 26	9 2	5 50
W20	21 12	15 58	2 7	15 40	1 29	5 37	2 16	4 56	0 44	23 22	0 8	6 45	2 24	22 24	0 2	17 2	1 47	16 18	16 27	20 22	20 17	18 25	9 2	5 49
T 21	21 23	19 1	0 51	16 10	1 22	6 1	2 18	4 42	0 42	23 22	0 8	6 44	2 23	22 24	0 2	17 2	1 47	16 18	16 28	20 22	20 16	18 23	9 2	5 49
F 22	21 34	20 55	0s30	16 41	1 15	6 24	2 19	4 28	0 40	23 23	0 8	6 44	2 23	22 25	0 2	17 2	1 47	16 18	16 28	20 22	20 16	18 22	9 2	5 48
S 23	21 44	21 23	1 51	17 11	1 7	6 48	2 21	4 14	0 38	23 23	0 8	6 43	2 23	22 25	0 2	17 1	1 47	16 18	16 29	20 22	20 15	18 20	9 2	5 48
S 24	21 53	20 21	3 4	17 40	1 0	7 12	2 22	4 0	0 36	23 23	0 8	6 43	2 23	22 26	0 2	17 1	1 47	16 18	16 29	20 22	20 14	18 19	9 1	5 48
M25	22 3	17 54	4 4	18 9	0 53	7 36	2 23	3 46	0 34	23 23	0 8	6 42	2 23	22 26	0 2	17 0	1 47	16 18	16 30	20 22	20 14	18 17	9 1	5 47
T 26	22 11	14 19	4 47	18 38	0 45	8 0	2 24	3 31	0 32	23 24	0 7	6 42	2 22	22 27	0 2	17 0	1 47	16 18	16 31	20 21	20 13	18 16	9 1	5 47
W27	22 20	9 56	5 12	19 5	0 38	8 24	2 25	3 17	0 30	23 24	0 7	6 41	2 22	22 27	0 2	17 0	1 47	16 19	16 31	20 21	20 12	18 14	9 1	5 47
T 28	22 28	5 6	5 16	19 33	0 31	8 48	2 26	3 3	0 28	23 24	0 7	6 40	2 22	22 28	0 2	16 59	1 47	16 19	16 32	20 21	20 11	18 13	9 0	5 46
F 29	22 35	0 8	5 2	19 59	0 23	9 12	2 27	2 48	0 26	23 24	0 7	6 39	2 22	22 28	0 2	16 59	1 47	16 19	16 32	20 21	20 11	18 11	9 0	5 46
S 30	22s42	4s44	4s32	20s25	0n16	9s35	2n27	2s34	0s24	23n25	0s 7	6s38	2s21	22s28	0s 2	16n59	1s47	16n19	16n33	20s21	20s10	18s10	9s 0	5n45

Julian Day Number = 2170619.5, Delta T = 12m21s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'52, Lahiri = 13°07'53 Julian Calendar 1 Nov. 1230 == Greg. Calendar 8 Nov. 1230

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ASTRODIENST EPHEMERIS for the year 1230
geocentric

DECEMBER 1230 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 20	16♐ 7'48	14♎33	3♐39	2♏13	25♓ 1	1°R42	18♓46	12♐58	23°R22	27♍ 2	0♐34	29♏39	19♑54	21♒21	S 1
M 2	5 10 16	17° 8'57	27°24	5°10	3°23	25°33	1♋35	18°48	13° 2	23♉20	27° 3	0°36	29°35	20° 0	21°24	M 2
T 3	5 14 13	18°10'07	10♏ 0	6°42	4°32	26° 6	1°27	18°50	13° 6	23°18	27° 4	0°37	29°32	20° 7	21°26	T 3
W 4	5 18 10	19°11'18	22°24	8°14	5°42	26°39	1°19	18°52	13° 9	23°17	27° 5	0°38	29°29	20°14	21°28	W 4
T 5	5 22 6	20°12'29	4♐37	9°46	6°53	27°11	1°11	18°54	13°13	23°15	27° 5	0°R38	29°26	20°20	21°31	T 5
F 6	5 26 3	21°13'41	16°43	11°18	8° 3	27°44	1° 4	18°56	13°17	23°14	27° 6	0°37	29°23	20°27	21°33	F 6
S 7	5 29 59	22°14'53	28°41	12°51	9°13	28°18	0°56	18°58	13°20	23°13	27° 6	0°35	29°20	20°34	21°36	S 7
S 8	5 33 56	23°16'05	10♑35	14°24	10°24	28°51	0°48	19° 1	13°24	23°11	27° 7	0°32	29°16	20°40	21°38	S 8
M 9	5 37 52	24°17'18	22°26	15°57	11°34	29°24	0°40	19° 4	13°27	23°10	27° 7	0°28	29°13	20°47	21°41	M 9
T 10	5 41 49	25°18'30	4♒16	17°30	12°45	29°58	0°32	19° 6	13°31	23° 8	27° 8	0°24	29°10	20°54	21°43	T 10
W11	5 45 45	26°19'43	16° 7	19° 4	13°56	0♈31	0°23	19° 9	13°35	23° 7	27° 8	0°19	29° 7	21° 0	21°46	W11
T 12	5 49 42	27°20'55	28° 3	20°38	15° 7	1° 5	0°15	19°12	13°38	23° 6	27° 9	0°15	29° 4	21° 7	21°49	T 12
F 13	5 53 39	28°22'07	10♓ 7	22°12	16°18	1°39	0° 7	19°15	13°42	23° 4	27° 9	0°12	29° 1	21°14	21°52	F 13
S 14	5 57 35	29°23'19	22°24	23°46	17°29	2°13	29♊59	19°18	13°45	23° 3	27°10	0°11	28°57	21°21	21°54	S 14
S 15	6 1 32	0♑24'31	4♈58	25°21	18°40	2°48	29°51	19°21	13°49	23° 2	27°10	0°D11	28°54	21°27	21°57	S 15
M16	6 5 28	1°25'43	17°52	26°56	19°51	3°22	29°43	19°24	13°52	23° 0	27°10	0°12	28°51	21°34	22° 0	M16
T 17	6 9 25	2°26'54	1♉12	28°32	21° 3	3°56	29°35	19°28	13°56	22°59	27°10	0°13	28°48	21°41	22° 3	T 17
W18	6 13 21	3°28'04	14°59	0♑ 8	22°14	4°31	29°27	19°31	13°59	22°58	27°11	0°15	28°45	21°47	22° 6	W18
T 19	6 17 18	4°29'15	29°14	1°44	23°26	5° 6	29°19	19°35	14° 3	22°57	27°11	0°R16	28°41	21°54	22° 9	T 19
F 20	6 21 14	5°30'25	13♊55	3°21	24°37	5°40	29°11	19°38	14° 6	22°56	27°11	0°15	28°38	22° 1	22°12	F 20
S 21	6 25 11	6°31'35	28°57	4°58	25°49	6°15	29° 3	19°42	14°10	22°55	27°11	0°12	28°35	22° 7	22°15	S 21
S 22	6 29 8	7°32'45	14♋11	6°35	27° 1	6°50	28°55	19°46	14°13	22°53	27°11	0° 8	28°32	22°14	22°18	S 22
M23	6 33 4	8°33'54	29°27	8°13	28°13	7°25	28°47	19°50	14°17	22°52	27°R11	0° 3	28°29	22°21	22°21	M23
T 24	6 37 1	9°35'03	14♌35	9°51	29°25	8° 0	28°39	19°54	14°20	22°51	27°11	29♏56	28°26	22°28	22°25	T 24
W25	6 40 57	10°36'11	29°25	11°30	0♐37	8°35	28°31	19°58	14°23	22°50	27°11	29°51	28°22	22°34	22°28	W25
T 26	6 44 54	11°37'20	13♍50	13°10	1°49	9°11	28°23	20° 2	14°27	22°49	27°11	29°46	28°19	22°41	22°31	T 26
F 27	6 48 50	12°38'28	27°48	14°49	3° 1	9°46	28°16	20° 6	14°30	22°48	27°11	29°43	28°16	22°48	22°35	F 27
S 28	6 52 47	13°39'36	11♎18	16°30	4°14	10°22	28° 8	20°11	14°33	22°47	27°11	29°D42	28°13	22°54	22°38	S 28
S 29	6 56 44	14°40'44	24°22	18°10	5°26	10°57	28° 0	20°15	14°37	22°46	27°10	29°42	28°10	23° 1	22°41	S 29
M30	7 0 40	15°41'52	7♏ 5	19°52	6°38	11°33	27°53	20°19	14°40	22°45	27°10	29°43	28° 7	23° 8	22°45	M30
T 31	7 4 37	16♑42'59	19♏30	21♑33	7♐51	12♈ 8	27♊46	20♓24	14♐43	22♉45	27♍10	29♏45	28♏ 3	23♑14	22♒48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s49	9s16	3s48	20s49	0n 9	9s59	2n28	2s19	0s22	23n25	0s 7	6s38	2s21	22s29	0s 2	16n58	1s47	16n19	16n33	20s21	20s 9	18s 8	8s59	5n45
M 2	22 55	13 17	2 54	21 13	0 2	10 22	2 28	2 5	0 20	23 25	0 7	6 37	2 21	22 29	0 2	16 58	1 47	16 19	16 34	20 22	20 9	18 7	8 59	5 45
T 3	23 1	16 38	1 52	21 36	0s 5	10 46	2 28	1 50	0 18	23 25	0 6	6 36	2 21	22 30	0 2	16 58	1 46	16 20	16 34	20 22	20 8	18 5	8 59	5 44
W 4	23 6	19 11	0 45	21 58	0 12	11 9	2 28	1 36	0 17	23 26	0 6	6 35	2 21	22 30	0 2	16 57	1 46	16 20	16 35	20 22	20 7	18 4	8 58	5 44
T 5	23 10	20 47	0n22	22 19	0 19	11 32	2 28	1 21	0 15	23 26	0 6	6 34	2 20	22 31	0 2	16 57	1 46	16 20	16 36	20 22	20 7	18 2	8 58	5 44
F 6	23 15	21 25	1 28	22 39	0 26	11 55	2 28	1 6	0 13	23 26	0 6	6 33	2 20	22 31	0 2	16 56	1 46	16 20	16 36	20 22	20 6	18 1	8 57	5 43
S 7	23 19	21 3	2 29	22 58	0 32	12 17	2 28	0 51	0 11	23 26	0 6	6 31	2 20	22 32	0 2	16 56	1 46	16 21	16 37	20 21	20 5	17 59	8 57	5 43
S 8	23 22	19 45	3 23	23 15	0 39	12 40	2 27	0 37	0 10	23 26	0 6	6 30	2 20	22 32	0 2	16 56	1 46	16 21	16 37	20 21	20 5	17 58	8 56	5 43
M 9	23 25	17 35	4 8	23 32	0 45	13 2	2 27	0 22	0 8	23 27	0 6	6 29	2 19	22 33	0 2	16 56	1 46	16 21	16 38	20 20	20 4	17 56	8 56	5 42
T 10	23 27	14 42	4 42	23 48	0 51	13 24	2 26	0 7	0 7	23 27	0 5	6 28	2 19	22 33	0 2	16 55	1 46	16 22	16 39	20 19	20 3	17 55	8 55	5 42
W11	23 29	11 14	5 4	24 2	0 57	13 46	2 26	0n 8	0 5	23 27	0 5	6 26	2 19	22 34	0 2	16 55	1 46	16 22	16 39	20 18	20 3	17 53	8 55	5 42
T 12	23 31	7 18	5 13	24 15	1 3	14 8	2 25	0 23	0 4	23 27	0 5	6 25	2 19	22 34	0 2	16 55	1 46	16 22	16 40	20 17	20 2	17 51	8 54	5 41
F 13	23 32	3 2	5 9	24 27	1 8	14 29	2 24	0 38	0 2	23 27	0 5	6 24	2 19	22 34	0 2	16 54	1 46	16 23	16 40	20 17	20 1	17 50	8 54	5 41
S 14	23 32	1n25	4 50	24 37	1 14	14 50	2 23	0 53	0 1	23 27	0 5	6 22	2 18	22 35	0 2	16 54	1 46	16 23	16 41	20 16	20 0	17 48	8 53	5 41
S 15	23 32	5 55	4 18	24 46	1 19	15 11	2 22	1 8	0n 1	23 28	0 5	6 21	2 18	22 35	0 2	16 54	1 46	16 24	16 41	20 16	20 0	17 47	8 52	5 40
M16	23 32	10 18	3 31	24 54	1 24	15 31	2 20	1 23	0 2	23 28	0 5	6 19	2 18	22 36	0 2	16 53	1 46	16 24	16 42	20 17	19 59	17 45	8 52	5 40
T 17	23 31	14 19	2 32	25 0	1 29	15 51	2 19	1 38	0 4	23 28	0 4	6 18	2 18	22 36	0 2	16 53	1 46	16 24	16 43	20 17	19 58	17 44	8 51	5 40
W18	23 30	17 43	1 23	25 5	1 33	16 11	2 18	1 53	0 5	23 28	0 4	6 16	2 18	22 37	0 2	16 53	1 46	16 25	16 43	20 17	19 58	17 42	8 50	5 40
T 19	23 28	20 10	0 6	25 9	1 37	16 30	2 16	2 8	0 7	23 28	0 4	6 15	2 17	22 37	0 2	16 53	1 46	16 25	16 44	20 17	19 57	17 41	8 50	5 39
F 20	23 25	21 20	1s14	25 11	1 41	16 49	2 15	2 23	0 8	23 28	0 4	6 13	2 17	22 37	0 2	16 52	1 46	16 26	16 44	20 17	19 56	17 39	8 49	5 39
S 21	23 23	21 2	2 30	25 12	1 45	17 8	2 13	2 38	0 9	23 28	0 4	6 12	2 17	22 38	0 2	16 52	1 46	16 26	16 45	20 17	19 56	17 37	8 48	5 39
S 22	23 19	19 12	3 36	25 11	1 49	17 26	2 11	2 53	0 11	23 28	0 4	6 10	2 17	22 38	0 2	16 52	1 46	16 27	16 45	20 16	19 55	17 36	8 48	5 38
M23	23 16	15 59	4 27	25 9	1 52	17 44	2 10	3 8	0 12	23 28	0 4	6 8	2 17	22 39	0 2	16 52	1 46	16 27	16 46	20 15	19 54	17 34	8 47	5 38
T 24	23 11	11 45	4 59	25 5	1 55	18 2	2 8	3 23	0 13	23 28	0 3	6 6	2 16	22 39	0 2	16 52	1 46	16 28	16 47	20 13	19 53	17 33	8 46	5 38
W25	23 7	6 53	5 10	24 59	1 57	18 19	2 6	3 38	0 14	23 28	0 3	6 5	2 16	22 39	0 2	16 51	1 46	16 28	16 47	20 12	19 53	17 31	8 45	5 38
T 26	23 2	1 45	5 1	24 52	2 0	18 35	2 4	3 53	0 15	23 29	0 3	6 3	2 16	22 40	0 2	16 51	1 46	16 29	16 48	20 11	19 52	17 30	8 45	5 37
F 27	22 56	3s18	4 34	24 43	2 1	18 52	2 2	4 8	0 17	23 29	0 3	6 1	2 16	22 40	0 2	16 51	1 45	16 30	16 48	20 10	19 51	17 28	8 44	5 37
S 28	22 50	8 3	3 52	24 33	2 3	19 7	1 59	4 23	0 18	23 29	0 3	5 59	2 16	22 41	0 2	16 51	1 45	16 30	16 49	20 10	19 51	17 26	8 43	5 37
S 29	22 44	12 16	3 0	24 21	2 4	19 22	1 57	4 39	0 19	23 29	0 3	5 57	2 15	22 41	0 2	16 51	1 45	16 31	16 50	20 10	19 50	17 25	8 42	5 37
M30	22 37	15 49	2 0	24 7	2 5	19 37	1 55	4 54	0 20	23 29	0 3	5 55	2 15	22 41	0 2	16 50	1 45	16 31	16 50	20 10	19 49	17 23	8 41	5 36
T 31	22s29	18s34	0s55	23s52	2s 5	19s51	1n53	5n 9	0n21	23n29	0s 2	5s53	2s15	22s42	0s 2	16n50	1s45	16n32	16n51	20s11	19s49	17s22	8s40	5n36

Julian Day Number = 2170649.5, Delta T = 12m21s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°00'56, Lahiri = 13°07'57 Julian Calendar 1 Dec. 1230 == Greg. Calendar 8 Dec. 1230

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

JANUARY 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 8 33	17♉44'07	1♐41	23♉16	9♐ 3	12♈44	27°R38	20♓29	14♐46	22°R44	27°R10	29°R45	28♏ 0	23♉21	22♒52	W 1
T 2	7 12 30	18°45'13	13°43	24°58	10°16	13°20	27♊31	20°34	14°50	22♉43	27♍ 9	29♏44	27°57	23°28	22°55	T 2
F 3	7 16 26	19°46'19	25°38	26°41	11°29	13°56	27°24	20°38	14°53	22°42	27° 9	29°41	27°54	23°35	22°59	F 3
S 4	7 20 23	20°47'24	7♉30	28°24	12°41	14°32	27°17	20°43	14°56	22°41	27° 9	29°35	27°51	23°41	23° 2	S 4
S 5	7 24 19	21°48'29	19°21	0♒ 8	13°54	15° 8	27°11	20°48	14°59	22°41	27° 8	29°26	27°47	23°48	23° 6	S 5
M 6	7 28 16	22°49'33	1♒11	1°52	15° 7	15°44	27° 4	20°53	15° 2	22°40	27° 8	29°16	27°44	23°55	23° 9	M 6
T 7	7 32 13	23°50'36	13° 4	3°36	16°20	16°20	26°57	20°59	15° 5	22°39	27° 7	29° 5	27°41	24° 1	23°13	T 7
W 8	7 36 9	24°51'38	24°59	5°19	17°32	16°57	26°51	21° 4	15° 8	22°39	27° 7	28°53	27°38	24° 8	23°17	W 8
T 9	7 40 6	25°52'38	7♓ 0	7° 3	18°45	17°33	26°45	21° 9	15°11	22°38	27° 6	28°43	27°35	24°15	23°20	T 9
F 10	7 44 2	26°53'38	19° 8	8°47	19°58	18° 9	26°39	21°14	15°14	22°38	27° 6	28°34	27°32	24°21	23°24	F 10
S 11	7 47 59	27°54'36	1♈25	10°29	21°11	18°46	26°33	21°20	15°17	22°37	27° 5	28°28	27°28	24°28	23°28	S 11
S 12	7 51 55	28°55'34	13°57	12°12	22°24	19°22	26°27	21°25	15°20	22°37	27° 4	28°25	27°25	24°35	23°32	S 12
M13	7 55 52	29°56'29	26°45	13°53	23°37	19°59	26°21	21°31	15°23	22°36	27° 4	28°D24	27°22	24°42	23°36	M13
T 14	7 59 48	0♒57'24	9♉55	15°33	24°50	20°35	26°16	21°37	15°26	22°36	27° 3	28°24	27°19	24°48	23°39	T 14
W15	8 3 45	1°58'17	23°30	17°11	26° 3	21°12	26°10	21°42	15°28	22°35	27° 2	28°R24	27°16	24°55	23°43	W15
T 16	8 7 42	2°59'09	7♊32	18°47	27°17	21°48	26° 5	21°48	15°31	22°35	27° 1	28°24	27°13	25° 2	23°47	T 16
F 17	8 11 38	3°59'59	22° 0	20°21	28°30	22°25	26° 0	21°54	15°34	22°35	27° 1	28°22	27° 9	25° 8	23°51	F 17
S 18	8 15 35	5° 0'48	6♋54	21°51	29°43	23° 2	25°55	22° 0	15°37	22°34	27° 0	28°17	27° 6	25°15	23°55	S 18
S 19	8 19 31	6° 1'35	22° 5	23°18	0♉56	23°39	25°50	22° 6	15°39	22°34	26°59	28°10	27° 3	25°22	23°59	S 19
M20	8 23 28	7° 2'21	7♌25	24°40	2° 9	24°16	25°46	22°12	15°42	22°34	26°58	28° 0	27° 0	25°28	24° 3	M20
T 21	8 27 24	8° 3'06	22°42	25°58	3°23	24°52	25°42	22°18	15°44	22°34	26°57	27°50	26°57	25°35	24° 7	T 21
W22	8 31 21	9° 3'49	7♍45	27°10	4°36	25°29	25°37	22°24	15°47	22°34	26°56	27°39	26°53	25°42	24°10	W22
T 23	8 35 17	10° 4'31	22°25	28°15	5°49	26° 6	25°33	22°30	15°49	22°34	26°55	27°30	26°50	25°49	24°14	T 23
F 24	8 39 14	11° 5'12	6♎35	29°13	7° 3	26°43	25°30	22°37	15°52	22°34	26°54	27°23	26°47	25°55	24°18	F 24
S 25	8 43 11	12° 5'51	20°15	0♓ 3	8°16	27°20	25°26	22°43	15°54	22°33	26°53	27°19	26°44	26° 2	24°22	S 25
S 26	8 47 7	13° 6'30	3♏26	0°45	9°29	27°57	25°23	22°49	15°57	22°D33	26°52	27°17	26°41	26° 9	24°26	S 26
M27	8 51 4	14° 7'07	16°11	1°17	10°43	28°34	25°19	22°56	15°59	22°33	26°51	27°D17	26°38	26°15	24°30	M27
T 28	8 55 0	15° 7'44	28°34	1°40	11°56	29°11	25°16	23° 2	16° 1	22°34	26°50	27°R17	26°34	26°22	24°34	T 28
W29	8 58 57	16° 8'19	10♐42	1°52	13°10	29°48	25°13	23° 9	16° 4	22°34	26°49	27°16	26°31	26°29	24°38	W29
T 30	9 2 53	17° 8'52	22°39	1°R54	14°23	0♉26	25°11	23°15	16° 6	22°34	26°48	27°14	26°28	26°35	24°42	T 30
F 31	9 6 50	18♒ 9'24	4♉30	1♓46	15♉37	1♉ 3	25♊ 8	23♓22	16♐ 8	22♉34	26♍46	27♏ 9	26♏25	26♉42	24♒46	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22s21	20s25	0n10	23s35	2s 5	20s 5	1n50	5n24	0n22	23n29	0s 2	5s51	2s15	22s42	0s 2	16n50	1s45	16n33	16n51	20s11	19s48	17s20	8s39	5n36	W 1
T 2	22 13	21 18	1 15	23 16	2 4	20 18	1 48	5 39	0 23	23 29	0 2	5 49	2 15	22 43	0 2	16 50	1 45	16 33	16 52	20 11	19 47	17 18	8 38	5 36	T 2
F 3	22 4	21 13	2 15	22 55	2 3	20 31	1 45	5 54	0 25	23 29	0 2	5 47	2 15	22 43	0 2	16 50	1 45	16 34	16 52	20 10	19 46	17 17	8 38	5 36	F 3
S 4	21 55	20 11	3 9	22 33	2 2	20 43	1 43	6 9	0 26	23 29	0 2	5 45	2 14	22 43	0 2	16 50	1 45	16 35	16 53	20 9	19 46	17 15	8 37	5 35	S 4
S 5	21 46	18 16	3 54	22 9	1 59	20 54	1 40	6 24	0 27	23 29	0 2	5 43	2 14	22 44	0 2	16 49	1 45	16 35	16 53	20 7	19 45	17 13	8 36	5 35	S 5
M 6	21 36	15 36	4 29	21 43	1 57	21 5	1 37	6 38	0 28	23 29	0 1	5 41	2 14	22 44	0 2	16 49	1 45	16 36	16 54	20 5	19 44	17 12	8 35	5 35	M 6
T 7	21 25	12 17	4 53	21 16	1 53	21 16	1 35	6 53	0 29	23 29	0 1	5 38	2 14	22 44	0 2	16 49	1 45	16 37	16 55	20 2	19 43	17 10	8 34	5 35	T 7
W 8	21 15	8 28	5 4	20 47	1 49	21 26	1 32	7 8	0 30	23 29	0 1	5 36	2 14	22 45	0 2	16 49	1 45	16 37	16 55	20 0	19 43	17 9	8 33	5 34	W 8
T 9	21 3	4 19	5 1	20 17	1 45	21 35	1 29	7 23	0 30	23 29	0 1	5 34	2 14	22 45	0 2	16 49	1 45	16 38	16 56	19 57	19 42	17 7	8 32	5 34	T 9
F 10	20 52	0n 3	4 45	19 45	1 40	21 43	1 26	7 38	0 31	23 29	0 1	5 32	2 13	22 45	0 2	16 49	1 45	16 39	16 56	19 55	19 41	17 5	8 31	5 34	F 10
S 11	20 40	4 29	4 16	19 11	1 34	21 51	1 23	7 53	0 32	23 29	0 1	5 29	2 13	22 46	0 2	16 49	1 45	16 39	16 57	19 54	19 41	17 4	8 30	5 34	S 11
S 12	20 28	8 49	3 34	18 36	1 27	21 59	1 20	8 7	0 33	23 29	0 1	5 27	2 13	22 46	0 2	16 49	1 45	16 40	16 57	19 53	19 40	17 2	8 29	5 34	S 12
M13	20 15	12 51	2 41	18 0	1 20	22 6	1 17	8 22	0 34	23 29	0 0	5 25	2 13	22 46	0 3	16 49	1 44	16 41	16 58	19 53	19 39	17 0	8 28	5 34	M13
T 14	20 2	16 23	1 37	17 23	1 12	22 12	1 14	8 37	0 35	23 29	0 0	5 22	2 13	22 47	0 3	16 49	1 44	16 42	16 58	19 53	19 38	16 59	8 26	5 33	T 14
W15	19 48	19 9	0 26	16 45	1 3	22 17	1 11	8 51	0 36	23 29	0 0	5 20	2 13	22 47	0 3	16 49	1 44	16 42	16 59	19 53	19 38	16 57	8 25	5 33	W15
T 16	19 34	20 52	0s48	16 6	0 53	22 22	1 8	9 6	0 37	23 29	0 0	5 18	2 13	22 47	0 3	16 49	1 44	16 43	16 59	19 53	19 37	16 56	8 24	5 33	T 16
F 17	19 20	21 16	2 2	15 26	0 42	22 26	1 5	9 20	0 38	23 29	0n 0	5 15	2 12	22 48	0 3	16 49	1 44	16 44	17 0	19 53	19 36	16 54	8 23	5 33	F 17
S 18	19 5	20 12	3 10	14 46	0 31	22 30	1 2	9 35	0 38	23 29	0 0	5 13	2 12	22 48	0 3	16 49	1 44	16 45	17 0	19 52	19 35	16 52	8 22	5 33	S 18
S 19	18 51	17 41	4 5	14 6	0 19	22 33	0 59	9 49	0 39	23 29	0 0	5 10	2 12	22 48	0 3	16 49	1 44	16 45	17 1	19 50	19 35	16 51	8 21	5 33	S 19
M20	18 35	13 56	4 43	13 27	0 6	22 35	0 56	10 4	0 40	23 29	0 0	5 8	2 12	22 49	0 3	16 49	1 44	16 46	17 1	19 48	19 34	16 49	8 20	5 32	M20
T 21	18 20	9 16	5 1	12 48	0n 8	22 37	0 53	10 18	0 41	23 29	0 1	5 5	2 12	22 49	0 3	16 49	1 44	16 47	17 2	19 45	19 33	16 47	8 19	5 32	T 21
W22	18 4	4 6	4 57	12 10	0 22	22 38	0 50	10 32	0 42	23 29	0 1	5 3	2 12	22 49	0 3	16 49	1 44	16 48	17 2	19 43	19 33	16 46	8 17	5 32	W22
T 23	17 48	1s11	4 34	11 33	0 37	22 38	0 47	10 47	0 42	23 29	0 1	5 0	2 12	22 49	0 3	16 49	1 44	16 49	17 3	19 41	19 32	16 44	8 16	5 32	T 23
F 24	17 31	6 13	3 55	10 58	0 53	22 37	0 44	11 1	0 43	23 29	0 1	4 57	2 12	22 50	0 3	16 49	1 44	16 49	17 3	19 39	19 31	16 42	8 15	5 32	F 24
S 25	17 14	10 46	3 3	10 26	1 9	22 36	0 41	11 15	0 44	23 29	0 1	4 55	2 11	22 50	0 3	16 49	1 44	16 50	17 3	19 38	19 30	16 41	8 14	5 32	S 25
S 26	16 57	14 38	2 3	9 56	1 25	22 34	0 37	11 29	0 44	23 29	0 1	4 52	2 11	22 50	0 3	16 49	1 44	16 51	17 4	19 38	19 30	16 39	8 13	5 32	S 26
M27	16 40	17 41	0 59	9 29	1 41	22 32	0 34	11 43	0 45	23 29	0 1	4 49	2 11	22 50	0 3	16 49	1 44	16 52	17 4	19 38	19 29	16 37	8 11	5 32	M27
T 28	16 22	19 49	0n 7	9 6	1 58	22 29	0 31	11 57	0 46	23 29	0 2	4 47	2 11	22 51	0 3	16 49	1 44	16 53	17 5	19 38	19 28	16 36	8 10	5 32	T 28
W29	16 4	20 59	1 11	8 46	2 14	22 25	0 28	12 10	0 47	23 29	0 2	4 44	2 11	22 51	0 3	16 49	1 43	16 54	17 5	19 38	19 27	16 34	8 9	5 31	W29
T 30	15 46	21 10	2 10	8 31	2 29	22 21	0 25	12 24	0 47	23 29	0 2	4 41	2 11	22 51	0 3	16 49	1 43	16 54	17 6	19 37	19 27	16 32	8 8	5 31	T 30
F 31	15s27	20s24	3n 3	8s20	2n44	22s16	0n22	12n38	0n48	23n29	0n 2	4s39	2s11	22s51	0s 3	16n49	1s43	16n55	17n 6	19s36	19s26	16s31	8s 7	5n31	F 31

Julian Day Number = 2170680.5, Delta T = 12m20s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'01, Lahiri = 13°08'01 Julian Calendar 1 Jan. 1231 == Greg. Calendar 8 Jan. 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

FEBRUARY 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 46	19♒ 9'55	16♉19	1°R28	16♉50	1♉40	25°R 6	23♓29	16♐10	22♉34	26°R45	27°R 1	26♏22	26♉49	24♒51	S 1
S 2	9 14 43	20°10'25	28° 9	1♓ 0	18° 4	2°17	25♊ 4	23°35	16°12	22°34	26♍44	26♏49	26°19	26°56	24°55	S 2
M 3	9 18 40	21°10'52	10♒ 2	0°23	19°17	2°54	25° 2	23°42	16°14	22°35	26°43	26°36	26°15	27° 2	24°59	M 3
T 4	9 22 36	22°11'18	21°59	29♒37	20°31	3°32	25° 0	23°49	16°16	22°35	26°41	26°21	26°12	27° 9	25° 3	T 4
W 5	9 26 33	23°11'43	4♓ 3	28°46	21°45	4° 9	24°59	23°56	16°18	22°35	26°40	26° 6	26° 9	27°16	25° 7	W 5
T 6	9 30 29	24°12'05	16°13	27°48	22°58	4°46	24°58	24° 3	16°20	22°36	26°39	25°53	26° 6	27°22	25°11	T 6
F 7	9 34 26	25°12'26	28°31	26°47	24°12	5°24	24°56	24° 9	16°22	22°36	26°37	25°41	26° 3	27°29	25°15	F 7
S 8	9 38 22	26°12'45	10♈59	25°43	25°25	6° 1	24°56	24°16	16°24	22°36	26°36	25°32	25°59	27°36	25°19	S 8
S 9	9 42 19	27°13'01	23°37	24°39	26°39	6°38	24°55	24°23	16°26	22°37	26°35	25°27	25°56	27°43	25°23	S 9
M10	9 46 15	28°13'16	6♉29	23°35	27°53	7°16	24°54	24°30	16°27	22°37	26°33	25°24	25°53	27°49	25°27	M10
T 11	9 50 12	29°13'29	19°38	22°33	29° 6	7°53	24°54	24°38	16°29	22°38	26°32	25°23	25°50	27°56	25°31	T 11
W12	9 54 8	0♓13'40	3♊ 6	21°35	0♒20	8°31	24°D54	24°45	16°31	22°39	26°30	25°23	25°47	28° 3	25°35	W12
T 13	9 58 5	1°13'48	16°55	20°42	1°34	9° 8	24°54	24°52	16°32	22°39	26°29	25°22	25°44	28° 9	25°39	T 13
F 14	10 2 2	2°13'54	1♋ 8	19°54	2°47	9°46	24°54	24°59	16°34	22°40	26°28	25°20	25°40	28°16	25°43	F 14
S 15	10 5 58	3°13'59	15°43	19°12	4° 1	10°23	24°55	25° 6	16°35	22°41	26°26	25°15	25°37	28°23	25°47	S 15
S 16	10 9 55	4°14'01	0♌36	18°36	5°15	11° 1	24°56	25°13	16°37	22°41	26°25	25° 8	25°34	28°29	25°51	S 16
M17	10 13 51	5°14'00	15°40	18° 7	6°28	11°38	24°56	25°21	16°38	22°42	26°23	24°58	25°31	28°36	25°55	M17
T 18	10 17 48	6°13'58	0♍46	17°45	7°42	12°16	24°58	25°28	16°39	22°43	26°22	24°47	25°28	28°43	25°59	T 18
W19	10 21 44	7°13'54	15°43	17°29	8°56	12°53	24°59	25°35	16°41	22°44	26°20	24°35	25°24	28°50	26° 3	W19
T 20	10 25 41	8°13'47	0♎23	17°20	10° 9	13°31	25° 0	25°42	16°42	22°44	26°18	24°25	25°21	28°56	26° 7	T 20
F 21	10 29 37	9°13'39	14°37	17°D18	11°23	14° 8	25° 2	25°50	16°43	22°45	26°17	24°18	25°18	29° 3	26°11	F 21
S 22	10 33 34	10°13'29	28°24	17°22	12°37	14°46	25° 4	25°57	16°44	22°46	26°15	24°13	25°15	29°10	26°15	S 22
S 23	10 37 31	11°13'18	11♏41	17°31	13°51	15°23	25° 6	26° 5	16°45	22°47	26°14	24°10	25°12	29°16	26°19	S 23
M24	10 41 27	12°13'05	24°32	17°47	15° 4	16° 1	25° 8	26°12	16°46	22°48	26°12	24°D10	25° 9	29°23	26°23	M24
T 25	10 45 24	13°12'50	7♐ 0	18° 7	16°18	16°39	25°11	26°19	16°47	22°49	26°11	24°10	25° 5	29°30	26°27	T 25
W26	10 49 20	14°12'33	19°11	18°33	17°32	17°16	25°13	26°27	16°48	22°50	26° 9	24°R10	25° 2	29°37	26°31	W26
T 27	10 53 17	15°12'14	1♑10	19° 3	18°45	17°54	25°16	26°34	16°49	22°51	26° 7	24° 9	24°59	29°43	26°35	T 27
F 28	10 57 13	16♓11'54	13♑ 1	19♒38	19♒59	18♉31	25♊19	26♓42	16♐50	22♉52	26♍ 6	24♏ 5	24♏56	29♉50	26♒39	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 8	18s45	3n48	8s14	2n58	22s10	0n19	12n52	0n48	23n29	0n 2	4s36	2s11	22s52	0s 3	16n49	1s43	16n56	17n 6	19s34	19s25	16s29	8s 5	5n31
S 2	14 49	16 19	4 23	8 12	3 10	22 3	0 16	13 5	0 49	23 29	0 2	4 33	2 11	22 52	0 3	16 50	1 43	16 57	17 7	19 32	19 24	16 27	8 4	5 31
M 3	14 30	13 12	4 47	8 15	3 21	21 56	0 12	13 19	0 50	23 29	0 2	4 30	2 10	22 52	0 3	16 50	1 43	16 58	17 7	19 29	19 24	16 26	8 3	5 31
T 4	14 10	9 32	4 58	8 22	3 30	21 49	0 9	13 32	0 50	23 29	0 2	4 28	2 10	22 52	0 3	16 50	1 43	16 59	17 7	19 25	19 23	16 24	8 1	5 31
W 5	13 51	5 28	4 57	8 33	3 37	21 40	0 6	13 45	0 51	23 29	0 3	4 25	2 10	22 53	0 3	16 50	1 43	16 59	17 8	19 22	19 22	16 22	8 0	5 31
T 6	13 31	1 9	4 41	8 48	3 43	21 31	0 3	13 58	0 52	23 29	0 3	4 22	2 10	22 53	0 3	16 50	1 43	17 0	17 8	19 18	19 21	16 20	7 59	5 31
F 7	13 10	3n16	4 12	9 6	3 45	21 21	0 0	14 12	0 52	23 29	0 3	4 19	2 10	22 53	0 3	16 50	1 43	17 1	17 9	19 16	19 21	16 19	7 58	5 31
S 8	12 50	7 36	3 31	9 27	3 46	21 11	0s 3	14 25	0 53	23 29	0 3	4 16	2 10	22 53	0 3	16 50	1 43	17 2	17 9	19 13	19 20	16 17	7 56	5 31
S 9	12 29	11 40	2 39	9 50	3 45	21 0	0 6	14 38	0 53	23 29	0 3	4 13	2 10	22 53	0 3	16 51	1 43	17 3	17 9	19 12	19 19	16 15	7 55	5 31
M10	12 8	15 17	1 38	10 14	3 41	20 49	0 9	14 50	0 54	23 30	0 3	4 11	2 10	22 54	0 3	16 51	1 43	17 4	17 10	19 11	19 18	16 14	7 54	5 31
T 11	11 47	18 12	0 30	10 40	3 35	20 36	0 11	15 3	0 54	23 30	0 3	4 8	2 10	22 54	0 3	16 51	1 43	17 5	17 10	19 11	19 18	16 12	7 52	5 31
W12	11 26	20 12	0s41	11 5	3 28	20 24	0 14	15 16	0 55	23 30	0 3	4 5	2 10	22 54	0 3	16 51	1 43	17 5	17 10	19 11	19 17	16 10	7 51	5 31
T 13	11 5	21 3	1 51	11 31	3 19	20 10	0 17	15 28	0 55	23 30	0 4	4 2	2 10	22 54	0 3	16 51	1 43	17 6	17 10	19 11	19 16	16 9	7 50	5 31
F 14	10 43	20 35	2 57	11 56	3 8	19 56	0 20	15 41	0 56	23 30	0 4	3 59	2 10	22 54	0 3	16 52	1 42	17 7	17 11	19 11	19 15	16 7	7 48	5 31
S 15	10 22	18 45	3 53	12 20	2 57	19 42	0 23	15 53	0 56	23 30	0 4	3 56	2 10	22 54	0 3	16 52	1 42	17 8	17 11	19 9	19 15	16 5	7 47	5 31
S 16	10 0	15 39	4 34	12 42	2 44	19 27	0 25	16 6	0 57	23 30	0 4	3 53	2 10	22 55	0 3	16 52	1 42	17 9	17 11	19 8	19 14	16 3	7 46	5 31
M17	9 38	11 29	4 57	13 4	2 31	19 11	0 28	16 18	0 57	23 30	0 4	3 50	2 10	22 55	0 3	16 52	1 42	17 10	17 11	19 5	19 13	16 2	7 44	5 31
T 18	9 16	6 35	4 59	13 23	2 18	18 55	0 31	16 30	0 58	23 31	0 4	3 47	2 9	22 55	0 3	16 53	1 42	17 10	17 12	19 2	19 12	16 0	7 43	5 31
W19	8 53	1 20	4 41	13 41	2 4	18 38	0 33	16 42	0 58	23 31	0 4	3 44	2 9	22 55	0 3	16 53	1 42	17 11	17 12	19 0	19 12	15 58	7 42	5 31
T 20	8 31	3s53	4 4	13 57	1 50	18 21	0 36	16 54	0 59	23 31	0 4	3 41	2 9	22 55	0 3	16 53	1 42	17 12	17 12	18 57	19 11	15 57	7 40	5 31
F 21	8 9	8 45	3 13	14 12	1 36	18 3	0 38	17 5	0 59	23 31	0 4	3 38	2 9	22 55	0 3	16 53	1 42	17 13	17 12	18 55	19 10	15 55	7 39	5 31
S 22	7 46	13 0	2 12	14 24	1 22	17 45	0 41	17 17	1 0	23 31	0 5	3 35	2 9	22 55	0 3	16 54	1 42	17 14	17 13	18 54	19 9	15 53	7 38	5 31
S 23	7 23	16 27	1 6	14 34	1 8	17 26	0 43	17 28	1 0	23 31	0 5	3 33	2 9	22 55	0 3	16 54	1 42	17 14	17 13	18 53	19 9	15 51	7 36	5 31
M24	7 0	18 57	0n 2	14 43	0 54	17 7	0 46	17 40	1 0	23 32	0 5	3 30	2 9	22 56	0 3	16 54	1 42	17 15	17 13	18 53	19 8	15 50	7 35	5 31
T 25	6 37	20 27	1 8	14 49	0 41	16 47	0 48	17 51	1 1	23 32	0 5	3 27	2 9	22 56	0 3	16 55	1 42	17 16	17 13	18 53	19 7	15 48	7 34	5 31
W26	6 14	20 57	2 9	14 53	0 28	16 27	0 50	18 2	1 1	23 32	0 5	3 24	2 9	22 56	0 3	16 55	1 42	17 17	17 13	18 53	19 6	15 46	7 32	5 31
T 27	5 51	20 29	3 3	14 56	0 15	16 6	0 53	18 13	1 2	23 32	0 5	3 21	2 9	22 56	0 3	16 55	1 42	17 18	17 13	18 53	19 5	15 44	7 31	5 31
F 28	5s28	19s 6	3n49	14s57	0n 3	15s45	0s55	18n24	1n 2	23n32	0n 5	3s18	2s 9	22s56	0s 3	16n56	1s42	17n18	17n14	18s52	19s 5	15s43	7s30	5n31

Julian Day Number = 2170711.5, Delta T = 12m20s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'05, Lahiri = 13°08'05 Julian Calendar 1 Feb. 1231 == Greg. Calendar 8 Feb. 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

MARCH 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 10	17♓11'32	24♉51	20♒16	21♒13	19♉ 9	25♊22	26♓49	16♐51	22♉53	26°R 4	23°R59	24♏53	29♉57	26♒42	S 1
S 2	11 5 6	18°11'08	6♒42	20°59	22°27	19°47	25°25	26°57	16°51	22°55	26♍ 2	23♏50	24°50	0♒ 3	26°46	S 2
M 3	11 9 3	19°10'42	18°38	21°45	23°40	20°24	25°29	27° 4	16°52	22°56	26° 1	23°40	24°46	0°10	26°50	M 3
T 4	11 13 0	20°10'14	0♓42	22°35	24°54	21° 2	25°33	27°12	16°52	22°57	25°59	23°28	24°43	0°17	26°54	T 4
W 5	11 16 56	21° 9'44	12°55	23°28	26° 8	21°39	25°37	27°19	16°53	22°58	25°57	23°16	24°40	0°24	26°58	W 5
T 6	11 20 53	22° 9'12	25°18	24°24	27°22	22°17	25°41	27°27	16°54	22°59	25°56	23° 5	24°37	0°30	27° 1	T 6
F 7	11 24 49	23° 8'38	7♈52	25°23	28°36	22°55	25°45	27°34	16°54	23° 1	25°54	22°55	24°34	0°37	27° 5	F 7
S 8	11 28 46	24° 8'02	20°36	26°25	29°49	23°32	25°49	27°42	16°54	23° 2	25°52	22°48	24°30	0°44	27° 9	S 8
S 9	11 32 42	25° 7'23	3♉32	27°29	1♓ 3	24°10	25°54	27°50	16°55	23° 3	25°51	22°44	24°27	0°50	27°12	S 9
M10	11 36 39	26° 6'43	16°38	28°35	2°17	24°48	25°59	27°57	16°55	23° 5	25°49	22°D42	24°24	0°57	27°16	M10
T 11	11 40 35	27° 6'00	29°58	29°44	3°31	25°25	26° 3	28° 5	16°55	23° 6	25°48	22°42	24°21	1° 4	27°20	T 11
W12	11 44 32	28° 5'15	13♊32	0♓55	4°44	26° 3	26° 9	28°12	16°55	23° 8	25°46	22°43	24°18	1°10	27°23	W12
T 13	11 48 29	29° 4'27	27°20	2° 8	5°58	26°41	26°14	28°20	16°56	23° 9	25°44	22°R44	24°15	1°17	27°27	T 13
F 14	11 52 25	0♈ 3'37	11♋24	3°24	7°12	27°18	26°19	28°27	16°56	23°11	25°43	22°43	24°11	1°24	27°31	F 14
S 15	11 56 22	1° 2'45	25°42	4°41	8°26	27°56	26°25	28°35	16°R56	23°12	25°41	22°41	24° 8	1°31	27°34	S 15
S 16	12 0 18	2° 1'50	10♌14	6° 0	9°39	28°34	26°30	28°42	16°56	23°14	25°39	22°36	24° 5	1°37	27°38	S 16
M17	12 4 15	3° 0'53	24°53	7°21	10°53	29°11	26°36	28°50	16°56	23°15	25°38	22°30	24° 2	1°44	27°41	M17
T 18	12 8 11	3°59'54	9♍33	8°43	12° 7	29°49	26°42	28°58	16°55	23°17	25°36	22°22	23°59	1°51	27°44	T 18
W19	12 12 8	4°58'52	24° 8	10° 8	13°20	0♊27	26°49	29° 5	16°55	23°18	25°34	22°15	23°56	1°57	27°48	W19
T 20	12 16 4	5°57'48	8♎31	11°34	14°34	1° 4	26°55	29°13	16°55	23°20	25°33	22° 8	23°52	2° 4	27°51	T 20
F 21	12 20 1	6°56'42	22°34	13° 2	15°48	1°42	27° 1	29°20	16°55	23°22	25°31	22° 3	23°49	2°11	27°55	F 21
S 22	12 23 57	7°55'35	6♏15	14°32	17° 2	2°20	27° 8	29°28	16°54	23°23	25°29	21°59	23°46	2°18	27°58	S 22
S 23	12 27 54	8°54'25	19°31	16° 3	18°15	2°57	27°15	29°35	16°54	23°25	25°28	21°D58	23°43	2°24	28° 1	S 23
M24	12 31 51	9°53'14	2♐24	17°36	19°29	3°35	27°22	29°43	16°54	23°27	25°26	21°59	23°40	2°31	28° 4	M24
T 25	12 35 47	10°52'00	14°56	19°10	20°43	4°13	27°29	29°50	16°53	23°28	25°25	22° 0	23°36	2°38	28° 8	T 25
W26	12 39 44	11°50'45	27°11	20°46	21°56	4°50	27°36	29°58	16°53	23°30	25°23	22° 2	23°33	2°44	28°11	W26
T 27	12 43 40	12°49'29	9♑13	22°24	23°10	5°28	27°43	0♈ 5	16°52	23°32	25°21	22°R 3	23°30	2°51	28°14	T 27
F 28	12 47 37	13°48'10	21° 7	24° 3	24°24	6° 6	27°51	0°13	16°51	23°34	25°20	22° 2	23°27	2°58	28°17	F 28
S 29	12 51 33	14°46'50	2♒59	25°44	25°38	6°43	27°58	0°20	16°51	23°36	25°18	22° 1	23°24	3° 5	28°20	S 29
S 30	12 55 30	15°45'28	14°52	27°26	26°51	7°21	28° 6	0°27	16°50	23°38	25°17	21°57	23°21	3°11	28°23	S 30
M31	12 59 26	16♈44'04	26♒52	29♓10	28♓ 5	7♊59	28♊14	0♈35	16♐49	23♉39	25♍15	21♏52	23♏17	3♒18	28♒26	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s 5	16s54	4n25	14s56	0s 9	15s23	0s57	18n35	1n 2	23n33	0n 5	3s15	2s 9	22s56	0s 3	16n56	1s42	17n19	17n14	18s51	19s 4	15s41	7s28	5n31	S 1
S 2	4 41	14 0	4 49	14 53	0 20	15 1	0 59	18 46	1 3	23 33	0 5	3 12	2 9	22 56	0 3	16 56	1 42	17 20	17 14	18 49	19 3	15 39	7 27	5 31	S 2
M 3	4 18	10 31	5 1	14 48	0 31	14 39	1 1	18 56	1 3	23 33	0 6	3 9	2 9	22 56	0 3	16 57	1 41	17 21	17 14	18 46	19 2	15 37	7 26	5 31	M 3
T 4	3 55	6 35	5 0	14 42	0 42	14 16	1 3	19 7	1 3	23 33	0 6	3 6	2 9	22 56	0 3	16 57	1 41	17 21	17 14	18 43	19 2	15 36	7 24	5 31	T 4
W 5	3 31	2 21	4 45	14 34	0 52	13 52	1 5	19 17	1 4	23 34	0 6	3 3	2 9	22 56	0 3	16 57	1 41	17 22	17 14	18 40	19 1	15 34	7 23	5 32	W 5
T 6	3 8	2n 3	4 17	14 24	1 1	13 29	1 7	19 27	1 4	23 34	0 6	3 0	2 9	22 56	0 3	16 58	1 41	17 23	17 14	18 37	19 0	15 32	7 21	5 32	T 6
F 7	2 44	6 26	3 35	14 13	1 10	13 5	1 8	19 37	1 5	23 34	0 6	2 57	2 9	22 56	0 3	16 58	1 41	17 24	17 14	18 35	18 59	15 30	7 20	5 32	F 7
S 8	2 20	10 35	2 43	14 0	1 19	12 40	1 10	19 47	1 5	23 34	0 6	2 54	2 9	22 57	0 3	16 59	1 41	17 24	17 14	18 33	18 58	15 29	7 19	5 32	S 8
S 9	1 57	14 19	1 41	13 46	1 27	12 16	1 12	19 57	1 5	23 35	0 6	2 51	2 9	22 57	0 3	16 59	1 41	17 25	17 14	18 32	18 58	15 27	7 17	5 32	S 9
M10	1 33	17 24	0 32	13 29	1 35	11 51	1 13	20 6	1 5	23 35	0 6	2 48	2 9	22 57	0 3	16 59	1 41	17 26	17 15	18 31	18 57	15 25	7 16	5 32	M10
T 11	1 9	19 36	0s39	13 12	1 42	11 25	1 15	20 16	1 6	23 35	0 6	2 45	2 9	22 57	0 3	17 0	1 41	17 27	17 15	18 31	18 56	15 23	7 15	5 32	T 11
W12	0 46	20 42	1 49	12 53	1 48	11 0	1 16	20 25	1 6	23 35	0 6	2 41	2 9	22 57	0 3	17 0	1 41	17 27	17 15	18 32	18 55	15 21	7 13	5 32	W12
T 13	0 22	20 36	2 55	12 32	1 54	10 34	1 18	20 34	1 6	23 36	0 7	2 38	2 9	22 57	0 3	17 1	1 41	17 28	17 15	18 32	18 55	15 20	7 12	5 32	T 13
F 14	0n 1	19 13	3 51	12 10	2 0	10 8	1 19	20 43	1 7	23 36	0 7	2 36	2 9	22 57	0 3	17 1	1 41	17 29	17 15	18 32	18 54	15 18	7 11	5 32	F 14
S 15	0 25	16 36	4 34	11 46	2 5	9 41	1 20	20 52	1 7	23 36	0 7	2 33	2 9	22 57	0 3	17 1	1 41	17 29	17 15	18 31	18 53	15 16	7 9	5 33	S 15
S 16	0 49	12 56	5 0	11 21	2 10	9 14	1 22	21 1	1 7	23 36	0 7	2 30	2 9	22 57	0 3	17 2	1 41	17 30	17 15	18 30	18 52	15 14	7 8	5 33	S 16
M17	1 12	8 28	5 7	10 55	2 14	8 47	1 23	21 9	1 7	23 37	0 7	2 27	2 9	22 57	0 3	17 2	1 41	17 30	17 15	18 28	18 51	15 13	7 7	5 33	M17
T 18	1 36	3 29	4 53	10 27	2 17	8 20	1 24	21 18	1 8	23 37	0 7	2 24	2 9	22 57	0 3	17 3	1 41	17 31	17 14	18 26	18 51	15 11	7 6	5 33	T 18
W19	1 59	1s39	4 21	9 58	2 21	7 53	1 25	21 26	1 8	23 37	0 7	2 21	2 9	22 57	0 3	17 3	1 41	17 32	17 14	18 24	18 50	15 9	7 4	5 33	W19
T 20	2 23	6 38	3 33	9 27	2 23	7 25	1 26	21 34	1 8	23 37	0 7	2 18	2 9	22 57	0 3	17 4	1 41	17 32	17 14	18 23	18 49	15 7	7 3	5 33	T 20
F 21	2 46	11 10	2 32	8 56	2 25	6 57	1 26	21 42	1 9	23 38	0 7	2 15	2 10	22 57	0 3	17 4	1 41	17 33	17 14	18 21	18 48	15 5	7 2	5 33	F 21
S 22	3 9	14 59	1 24	8 22	2 27	6 29	1 27	21 50	1 9	23 38	0 7	2 12	2 10	22 57	0 3	17 5	1 40	17 33	17 14	18 20	18 47	15 4	7 0	5 34	S 22
S 23	3 33	17 54	0 13	7 48	2 28	6 1	1 28	21 58	1 9	23 38	0 7	2 9	2 10	22 57	0 3	17 5	1 40	17 34	17 14	18 20	18 47	15 2	6 59	5 34	S 23
M24	3 56	19 48	0n56	7 12	2 29	5 32	1 29	22 5	1 9	23 38	0 8	2 6	2 10	22 57	0 3	17 5	1 40	17 35	17 14	18 20	18 46	15 0	6 58	5 34	M24
T 25	4 19	20 40	2 1	6 35	2 29	5 4	1 29	22 13	1 9	23 38	0 8	2 3	2 10	22 57	0 3	17 6	1 40	17 35	17 14	18 21	18 45	14 58	6 57	5 34	T 25
W26	4 42	20 31	2 59	5 57	2 28	4 35	1 30	22 20	1 10	23 39	0 8	2 0	2 10	22 57	0 3	17 6	1 40	17 36	17 14	18 21	18 44	14 56	6 55	5 34	W26
T 27	5 5	19 25	3 48	5 17	2 28	4 6	1 30	22 27	1 10	23 39	0 8	1 57	2 10	22 57	0 3	17 7	1 40	17 36	17 14	18 21	18 44	14 55	6 54	5 35	T 27
F 28	5 28	17 28	4 27	4 36	2 26	3 37	1 31	22 34	1 10	23 39	0 8	1 54	2 10	22 56	0 3	17 7	1 40	17 37	17 14	18 21	18 43	14 53	6 53	5 35	F 28
S 29	5 51	14 48	4 54	3 54	2 24	3 8	1 31	22 41	1 10	23 39	0 8	1 51	2 10	22 56	0 3	17 8	1 40	17 37	17 13	18 21	18 42	14 51	6 52	5 35	S 29
S 30	6 14	11 31	5 9	3 11	2 22	2 39	1 31	22 47	1 10	23 40	0 8	1 48	2 10	22 56	0 3	17 8	1 40	17 38	17 13	18 20	18 41	14 49	6 50	5 35	S 30
M31	6n36	7s45	5n10	2s27	2s19	2s10	1s31	22n53	1n11	23n40	0n 8	1s45	2s10	22s56	0s 3	17n 9	1s40	17n38	17n13	18s19	18s40	14s47	6s49	5n35	M31

Julian Day Number = 2170739.5, Delta T = 12m20s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'09, Lahiri = 13°08'09 Julian Calendar 1 March 1231 == Greg. Calendar 8 March 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

APRIL 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 3 23	17♈42'39	9♓ 1	0♈56	29♓19	8♊36	28♊22	0♈42	16°R48	23♉41	25°R14	21°R47	23♏14	3♒25	28♒29	T 1
W 2	13 7 20	18°41'11	21°23	2°43	0♈32	9°14	28°30	0°49	16♐48	23°43	25♍12	21♏41	23°11	3°31	28°32	W 2
T 3	13 11 16	19°39'42	3♈58	4°32	1°46	9°52	28°38	0°57	16°47	23°45	25°11	21°35	23° 8	3°38	28°35	T 3
F 4	13 15 13	20°38'11	16°48	6°23	3° 0	10°29	28°47	1° 4	16°46	23°47	25° 9	21°31	23° 5	3°45	28°38	F 4
S 5	13 19 9	21°36'38	29°52	8°15	4°13	11° 7	28°55	1°11	16°45	23°49	25° 8	21°28	23° 1	3°52	28°41	S 5
S 6	13 23 6	22°35'03	13♉ 9	10° 9	5°27	11°45	29° 4	1°19	16°44	23°51	25° 6	21°26	22°58	3°58	28°43	S 6
M 7	13 27 2	23°33'27	26°40	12° 4	6°41	12°22	29°13	1°26	16°42	23°53	25° 5	21°D26	22°55	4° 5	28°46	M 7
T 8	13 30 59	24°31'48	10♊21	14° 1	7°55	13° 0	29°22	1°33	16°41	23°55	25° 4	21°27	22°52	4°12	28°49	T 8
W 9	13 34 55	25°30'07	24°13	16° 0	9° 8	13°38	29°31	1°40	16°40	23°57	25° 2	21°28	22°49	4°18	28°51	W 9
T 10	13 38 52	26°28'25	8♋13	18° 0	10°22	14°15	29°40	1°47	16°39	23°59	25° 1	21°30	22°46	4°25	28°54	T 10
F 11	13 42 49	27°26'40	22°20	20° 2	11°36	14°53	29°49	1°54	16°38	24° 1	24°59	21°R30	22°42	4°32	28°56	F 11
S 12	13 46 45	28°24'53	6♌33	22° 6	12°49	15°31	29°58	2° 1	16°36	24° 3	24°58	21°30	22°39	4°39	28°59	S 12
S 13	13 50 42	29°23'03	20°49	24°10	14° 3	16° 8	0♋ 8	2° 9	16°35	24° 5	24°57	21°29	22°36	4°45	29° 1	S 13
M14	13 54 38	0♉21'12	5♍ 5	26°16	15°16	16°46	0°17	2°16	16°34	24° 7	24°56	21°27	22°33	4°52	29° 4	M14
T 15	13 58 35	1°19'19	19°18	28°23	16°30	17°23	0°27	2°22	16°32	24° 9	24°54	21°25	22°30	4°59	29° 6	T 15
W16	14 2 31	2°17'23	3♎24	0♉32	17°44	18° 1	0°37	2°29	16°31	24°11	24°53	21°22	22°27	5° 5	29° 8	W16
T 17	14 6 28	3°15'26	17°20	2°41	18°57	18°39	0°46	2°36	16°29	24°14	24°52	21°20	22°23	5°12	29°11	T 17
F 18	14 10 24	4°13'27	1♏ 0	4°50	20°11	19°16	0°56	2°43	16°27	24°16	24°51	21°18	22°20	5°19	29°13	F 18
S 19	14 14 21	5°11'27	14°24	7° 0	21°25	19°54	1° 6	2°50	16°26	24°18	24°49	21°17	22°17	5°26	29°15	S 19
S 20	14 18 18	6° 9'25	27°29	9°11	22°38	20°31	1°17	2°57	16°24	24°20	24°48	21°D17	22°14	5°32	29°17	S 20
M21	14 22 14	7° 7'21	10♐16	11°21	23°52	21° 9	1°27	3° 3	16°23	24°22	24°47	21°18	22°11	5°39	29°19	M21
T 22	14 26 11	8° 5'16	22°46	13°31	25° 5	21°47	1°37	3°10	16°21	24°24	24°46	21°19	22° 7	5°46	29°21	T 22
W23	14 30 7	9° 3'10	5♑ 1	15°40	26°19	22°24	1°47	3°17	16°19	24°26	24°45	21°20	22° 4	5°53	29°23	W23
T 24	14 34 4	10° 1'02	17° 4	17°48	27°33	23° 2	1°58	3°23	16°17	24°29	24°44	21°21	22° 1	5°59	29°25	T 24
F 25	14 38 0	10°58'53	29° 0	19°55	28°46	23°39	2° 9	3°30	16°15	24°31	24°43	21°22	21°58	6° 6	29°27	F 25
S 26	14 41 57	11°56'43	10♒53	22° 0	29°59	24°17	2°19	3°36	16°14	24°33	24°42	21°R22	21°55	6°13	29°29	S 26
S 27	14 45 53	12°54'31	22°48	24° 4	1♉14	24°55	2°30	3°43	16°12	24°35	24°41	21°22	21°52	6°19	29°30	S 27
M28	14 49 50	13°52'19	4♓49	26° 6	2°27	25°32	2°41	3°49	16°10	24°37	24°40	21°21	21°48	6°26	29°32	M28
T 29	14 53 47	14°50'05	17° 1	28° 5	3°41	26°10	2°52	3°56	16° 8	24°40	24°39	21°21	21°45	6°33	29°34	T 29
W30	14 57 43	15♉47'49	29♓27	0♊ 2	4♉54	26♊47	3♋ 3	4♈ 2	16♐ 6	24♉42	24♍38	21♏20	21♏42	6♒40	29♒35	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n59	3s38	4n57	1s42	2s15	1s40	1s31	23n 0	1n11	23n40	0n 8	1s43	2s10	22s56	0s 3	17n 9	1s40	17n38	17n13	18s17	18s40	14s46	6s48	5n35
W 2	7 21	0n43	4 31	0 55	2 11	1 11	1 31	23 6	1 11	23 40	0 8	1 40	2 10	22 56	0 3	17 10	1 40	17 39	17 13	18 16	18 39	14 44	6 47	5 36
T 3	7 43	5 6	3 50	0 8	2 7	0 41	1 31	23 12	1 11	23 40	0 8	1 37	2 10	22 56	0 3	17 10	1 40	17 39	17 12	18 14	18 38	14 42	6 46	5 36
F 4	8 5	9 22	2 58	0n41	2 2	0 12	1 31	23 17	1 11	23 40	0 9	1 34	2 11	22 56	0 3	17 11	1 40	17 40	17 12	18 13	18 37	14 40	6 45	5 36
S 5	8 27	13 16	1 55	1 30	1 56	0n18	1 31	23 23	1 12	23 41	0 9	1 31	2 11	22 56	0 3	17 11	1 40	17 40	17 12	18 12	18 36	14 38	6 43	5 36
S 6	8 49	16 34	0 45	2 21	1 50	0 47	1 31	23 28	1 12	23 41	0 9	1 28	2 11	22 56	0 3	17 12	1 40	17 40	17 12	18 12	18 35	14 37	6 42	5 37
M 7	9 11	19 1	0s29	3 12	1 44	1 17	1 31	23 33	1 12	23 41	0 9	1 26	2 11	22 56	0 3	17 12	1 40	17 41	17 12	18 12	18 35	14 35	6 41	5 37
T 8	9 33	20 25	1 42	4 4	1 37	1 46	1 30	23 39	1 12	23 41	0 9	1 23	2 11	22 56	0 4	17 13	1 40	17 41	17 11	18 12	18 34	14 33	6 40	5 37
W 9	9 54	20 34	2 50	4 57	1 29	2 16	1 30	23 43	1 12	23 41	0 9	1 20	2 11	22 56	0 4	17 14	1 40	17 41	17 11	18 12	18 33	14 31	6 39	5 37
T 10	10 15	19 28	3 49	5 51	1 21	2 45	1 29	23 48	1 12	23 41	0 9	1 17	2 11	22 55	0 4	17 14	1 40	17 42	17 11	18 13	18 32	14 29	6 38	5 37
F 11	10 36	17 10	4 35	6 45	1 13	3 15	1 29	23 53	1 12	23 41	0 9	1 15	2 11	22 55	0 4	17 15	1 40	17 42	17 11	18 13	18 31	14 27	6 37	5 38
S 12	10 57	13 48	5 4	7 39	1 4	3 44	1 28	23 57	1 13	23 41	0 9	1 12	2 11	22 55	0 4	17 15	1 40	17 42	17 10	18 13	18 31	14 26	6 36	5 38
S 13	11 18	9 39	5 14	8 34	0 55	4 13	1 27	24 1	1 13	23 42	0 9	1 9	2 11	22 55	0 4	17 16	1 40	17 43	17 10	18 13	18 30	14 24	6 35	5 38
M14	11 39	4 57	5 6	9 29	0 45	4 42	1 27	24 5	1 13	23 42	0 9	1 7	2 12	22 55	0 4	17 16	1 40	17 43	17 10	18 12	18 29	14 22	6 33	5 38
T 15	11 59	0s 1	4 38	10 24	0 35	5 12	1 26	24 9	1 13	23 42	0 9	1 4	2 12	22 55	0 4	17 17	1 40	17 43	17 9	18 11	18 28	14 20	6 32	5 39
W16	12 19	4 56	3 54	11 19	0 25	5 41	1 25	24 12	1 13	23 42	0 10	1 1	2 12	22 55	0 4	17 17	1 40	17 43	17 9	18 11	18 27	14 18	6 31	5 39
T 17	12 39	9 33	2 56	12 13	0 15	6 10	1 24	24 16	1 13	23 42	0 10	0 59	2 12	22 54	0 4	17 18	1 40	17 44	17 9	18 10	18 27	14 16	6 30	5 39
F 18	12 59	13 35	1 50	13 7	0 4	6 38	1 23	24 19	1 13	23 42	0 10	0 56	2 12	22 54	0 4	17 18	1 40	17 44	17 8	18 10	18 26	14 15	6 29	5 39
S 19	13 18	16 50	0 38	14 0	0n 6	7 7	1 22	24 22	1 13	23 42	0 10	0 53	2 12	22 54	0 4	17 19	1 40	17 44	17 8	18 9	18 25	14 13	6 28	5 40
S 20	13 38	19 7	0n34	14 53	0 17	7 35	1 21	24 25	1 14	23 42	0 10	0 51	2 12	22 54	0 4	17 19	1 39	17 44	17 8	18 9	18 24	14 11	6 27	5 40
M21	13 57	20 23	1 43	15 44	0 28	8 4	1 20	24 28	1 14	23 42	0 10	0 48	2 12	22 54	0 4	17 20	1 39	17 44	17 7	18 9	18 23	14 9	6 27	5 40
T 22	14 16	20 35	2 45	16 34	0 38	8 32	1 18	24 30	1 14	23 42	0 10	0 46	2 13	22 54	0 4	17 21	1 39	17 44	17 7	18 10	18 22	14 7	6 26	5 40
W23	14 34	19 48	3 39	17 22	0 48	9 0	1 17	24 33	1 14	23 42	0 10	0 43	2 13	22 54	0 4	17 21	1 39	17 44	17 7	18 10	18 22	14 5	6 25	5 41
T 24	14 53	18 7	4 22	18 8	0 58	9 28	1 16	24 35	1 14	23 42	0 10	0 41	2 13	22 53	0 4	17 22	1 39	17 45	17 6	18 10	18 21	14 3	6 24	5 41
F 25	15 11	15 40	4 53	18 53	1 8	9 55	1 14	24 37	1 14	23 42	0 10	0 38	2 13	22 53	0 4	17 22	1 39	17 45	17 6	18 11	18 20	14 2	6 23	5 41
S 26	15 29	12 35	5 11	19 35	1 17	10 23	1 13	24 39	1 14	23 41	0 10	0 36	2 13	22 53	0 4	17 23	1 39	17 45	17 6	18 11	18 19	14 0	6 22	5 42
S 27	15 47	8 59	5 17	20 15	1 26	10 50	1 12	24 40	1 14	23 41	0 10	0 33	2 13	22 53	0 4	17 23	1 39	17 45	17 5	18 11	18 18	13 58	6 21	5 42
M28	16 4	5 0	5 8	20 53	1 34	11 17	1 10	24 42	1 14	23 41	0 11	0 31	2 14	22 53	0 4	17 24	1 39	17 45	17 5	18 10	18 18	13 56	6 20	5 42
T 29	16 21	0 46	4 46	21 28	1 42	11 43	1 8	24 43	1 14	23 41	0 11	0 29	2 14	22 52	0 4	17 24	1 39	17 45	17 4	18 10	18 17	13 54	6 19	5 42
W30	16n38	3n35	4n 9	22n 1	1n49	12n10	1s 7	24n44	1n14	23n41	0n11	0s26	2s14	22s52	0s 4	17n25	1s39	17n45	17n 4	18s10	18s16	13s52	6s19	5n43

Julian Day Number = 2170770.5, Delta T = 12m20s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'13, Lahiri = 13°08'13 Julian Calendar 1 Apr. 1231 == Greg. Calendar 8 Apr. 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

MAY 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 1 40	16♉45'33	12♈ 9	1♊57	6♉ 8	27♊25	3♋14	4♈ 8	16°R 4	24♉44	24°R37	21°R19	21♏39	6♒46	29♒37	T 1
F 2	15 5 36	17°43'16	25°11	3°49	7°22	28° 3	3°25	4°15	16♐ 2	24°46	24♍36	21♏19	21°36	6°53	29°38	F 2
S 3	15 9 33	18°40'57	8♉32	5°38	8°35	28°40	3°36	4°21	16° 0	24°49	24°36	21°19	21°32	7° 0	29°40	S 3
S 4	15 13 29	19°38'37	22°12	7°25	9°49	29°18	3°48	4°27	15°58	24°51	24°35	21°D19	21°29	7° 6	29°41	S 4
M 5	15 17 26	20°36'16	6♊ 8	9° 8	11° 2	29°55	3°59	4°33	15°56	24°53	24°34	21°19	21°26	7°13	29°42	M 5
T 6	15 21 22	21°33'53	20°17	10°48	12°16	0♋33	4°10	4°39	15°53	24°55	24°33	21°R19	21°23	7°20	29°44	T 6
W 7	15 25 19	22°31'29	4♋34	12°26	13°30	1°10	4°22	4°45	15°51	24°58	24°33	21°18	21°20	7°27	29°45	W 7
T 8	15 29 16	23°29'04	18°56	14° 0	14°43	1°48	4°34	4°51	15°49	25° 0	24°32	21°18	21°17	7°33	29°46	T 8
F 9	15 33 12	24°26'37	3♌18	15°31	15°57	2°26	4°45	4°56	15°47	25° 2	24°31	21°18	21°13	7°40	29°47	F 9
S 10	15 37 9	25°24'09	17°37	16°59	17°10	3° 3	4°57	5° 2	15°45	25° 4	24°31	21°18	21°10	7°47	29°48	S 10
S 11	15 41 5	26°21'39	1♍49	18°23	18°24	3°41	5° 9	5° 8	15°42	25° 7	24°30	21°D18	21° 7	7°53	29°49	S 11
M12	15 45 2	27°19'08	15°52	19°45	19°38	4°18	5°21	5°14	15°40	25° 9	24°30	21°18	21° 4	8° 0	29°50	M12
T 13	15 48 58	28°16'35	29°44	21° 3	20°51	4°56	5°32	5°19	15°38	25°11	24°29	21°19	21° 1	8° 7	29°51	T 13
W14	15 52 55	29°14'01	13♎25	22°18	22° 5	5°33	5°44	5°25	15°36	25°13	24°28	21°19	20°58	8°14	29°52	W14
T 15	15 56 51	0♊11'26	26°53	23°29	23°18	6°11	5°56	5°30	15°33	25°16	24°28	21°20	20°54	8°20	29°52	T 15
F 16	16 0 48	1° 8'50	10♏ 8	24°37	24°32	6°49	6° 9	5°35	15°31	25°18	24°28	21°21	20°51	8°27	29°53	F 16
S 17	16 4 44	2° 6'13	23° 9	25°41	25°46	7°26	6°21	5°41	15°28	25°20	24°27	21°R21	20°48	8°34	29°54	S 17
S 18	16 8 41	3° 3'35	5♐57	26°42	26°59	8° 4	6°33	5°46	15°26	25°22	24°27	21°20	20°45	8°40	29°54	S 18
M19	16 12 38	4° 0'56	18°31	27°39	28°13	8°41	6°45	5°51	15°24	25°24	24°27	21°19	20°42	8°47	29°55	M19
T 20	16 16 34	4°58'16	0♑52	28°33	29°26	9°19	6°57	5°56	15°21	25°27	24°26	21°18	20°38	8°54	29°55	T 20
W21	16 20 31	5°55'36	13° 3	29°23	0♊40	9°56	7°10	6° 1	15°19	25°29	24°26	21°16	20°35	9° 1	29°56	W21
T 22	16 24 27	6°52'55	25° 4	0♋ 8	1°54	10°34	7°22	6° 6	15°17	25°31	24°26	21°14	20°32	9° 7	29°56	T 22
F 23	16 28 24	7°50'13	7♒ 0	0°50	3° 7	11°12	7°35	6°11	15°14	25°33	24°26	21°11	20°29	9°14	29°56	F 23
S 24	16 32 20	8°47'31	18°53	1°28	4°21	11°49	7°47	6°16	15°12	25°36	24°25	21°10	20°26	9°21	29°56	S 24
S 25	16 36 17	9°44'48	0♓47	2° 1	5°34	12°27	8° 0	6°21	15° 9	25°38	24°25	21° 9	20°23	9°28	29°57	S 25
M26	16 40 14	10°42'05	12°48	2°30	6°48	13° 4	8°12	6°25	15° 7	25°40	24°25	21°D 8	20°19	9°34	29°57	M26
T 27	16 44 10	11°39'21	24°58	2°55	8° 2	13°42	8°25	6°30	15° 4	25°42	24°25	21° 9	20°16	9°41	29°R57	T 27
W28	16 48 7	12°36'37	7♈23	3°16	9°15	14°19	8°38	6°34	15° 2	25°44	24°25	21°10	20°13	9°48	29°57	W28
T 29	16 52 3	13°33'53	20° 8	3°32	10°29	14°57	8°50	6°39	14°59	25°46	24°D25	21°12	20°10	9°54	29°57	T 29
F 30	16 56 0	14°31'08	3♉14	3°43	11°43	15°34	9° 3	6°43	14°57	25°49	24°25	21°13	20° 7	10° 1	29°56	F 30
S 31	16 59 56	15♊28'23	16♉45	3♋50	12♊56	16♋12	9♋16	6♈47	14♐55	25♉51	24♍25	21°R14	20♏ 4	10♒ 8	29♒56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n55	7n54	3n20	22n31	1n55	12n36	1s 5	24n45	1n14	23n41	0n11	0s24	2s14	22s52	0s 4	17n25	1s39	17n45	17n 4	18s10	18s15	13s50	6s18	5n43
F 2	17 11	11 57	2 20	22 58	2 0	13 1	1 3	24 46	1 14	23 40	0 11	0 22	2 14	22 52	0 4	17 26	1 39	17 45	17 3	18 10	18 14	13 48	6 17	5 43
S 3	17 27	15 31	1 10	23 23	2 5	13 27	1 2	24 46	1 14	23 40	0 11	0 19	2 14	22 52	0 4	17 27	1 39	17 45	17 3	18 10	18 13	13 47	6 16	5 44
S 4	17 43	18 19	0s 5	23 46	2 9	13 52	1 0	24 47	1 14	23 40	0 11	0 17	2 15	22 51	0 4	17 27	1 39	17 45	17 2	18 10	18 13	13 45	6 16	5 44
M 5	17 59	20 5	1 21	24 6	2 13	14 17	0 58	24 47	1 15	23 40	0 11	0 15	2 15	22 51	0 4	17 28	1 39	17 44	17 2	18 10	18 12	13 43	6 15	5 44
T 6	18 14	20 37	2 34	24 23	2 15	14 41	0 56	24 47	1 15	23 39	0 11	0 13	2 15	22 51	0 4	17 28	1 39	17 44	17 2	18 10	18 11	13 41	6 14	5 44
W 7	18 29	19 50	3 38	24 38	2 17	15 5	0 54	24 47	1 15	23 39	0 11	0 10	2 15	22 51	0 4	17 29	1 39	17 44	17 1	18 10	18 10	13 39	6 13	5 45
T 8	18 43	17 46	4 28	24 51	2 18	15 29	0 52	24 46	1 15	23 39	0 11	0 8	2 15	22 51	0 4	17 29	1 39	17 44	17 1	18 10	18 9	13 37	6 13	5 45
F 9	18 58	14 36	5 2	25 2	2 18	15 53	0 50	24 46	1 15	23 39	0 11	0 6	2 15	22 50	0 4	17 30	1 39	17 44	17 0	18 10	18 8	13 35	6 12	5 45
S 10	19 11	10 36	5 16	25 10	2 17	16 16	0 48	24 45	1 15	23 38	0 12	0 4	2 16	22 50	0 4	17 30	1 39	17 44	17 0	18 10	18 8	13 33	6 11	5 46
S 11	19 25	6 1	5 12	25 17	2 16	16 38	0 46	24 44	1 15	23 38	0 12	0 2	2 16	22 50	0 4	17 31	1 39	17 44	16 59	18 10	18 7	13 32	6 11	5 46
M12	19 38	1 10	4 48	25 21	2 13	17 0	0 44	24 43	1 15	23 37	0 12	0n 0	2 16	22 50	0 4	17 31	1 39	17 43	16 59	18 10	18 6	13 30	6 10	5 46
T 13	19 51	3s41	4 9	25 24	2 10	17 22	0 42	24 41	1 15	23 37	0 12	0 2	2 16	22 49	0 4	17 32	1 39	17 43	16 58	18 10	18 5	13 28	6 10	5 47
W14	20 4	8 18	3 15	25 25	2 6	17 43	0 40	24 40	1 15	23 37	0 12	0 4	2 16	22 49	0 4	17 33	1 39	17 43	16 58	18 10	18 4	13 26	6 9	5 47
T 15	20 16	12 27	2 11	25 24	2 1	18 4	0 38	24 38	1 15	23 36	0 12	0 6	2 17	22 49	0 4	17 33	1 39	17 43	16 57	18 10	18 3	13 24	6 9	5 47
F 16	20 28	15 53	1 2	25 21	1 56	18 24	0 35	24 36	1 15	23 36	0 12	0 8	2 17	22 49	0 4	17 34	1 39	17 42	16 57	18 10	18 2	13 22	6 8	5 47
S 17	20 40	18 29	0n10	25 17	1 49	18 44	0 33	24 34	1 15	23 35	0 12	0 10	2 17	22 48	0 4	17 34	1 39	17 42	16 56	18 10	18 2	13 20	6 8	5 48
S 18	20 51	20 5	1 20	25 12	1 42	19 4	0 31	24 32	1 15	23 35	0 12	0 12	2 17	22 48	0 4	17 35	1 39	17 42	16 56	18 10	18 1	13 18	6 7	5 48
M19	21 2	20 38	2 25	25 5	1 34	19 23	0 29	24 30	1 15	23 34	0 12	0 14	2 18	22 48	0 4	17 35	1 39	17 42	16 55	18 10	18 0	13 16	6 7	5 48
T 20	21 13	20 11	3 21	24 57	1 25	19 41	0 26	24 27	1 15	23 34	0 12	0 16	2 18	22 48	0 4	17 36	1 39	17 41	16 55	18 10	17 59	13 15	6 6	5 49
W21	21 23	18 47	4 8	24 48	1 15	19 59	0 24	24 24	1 15	23 33	0 12	0 17	2 18	22 47	0 4	17 36	1 39	17 41	16 55	18 9	17 58	13 13	6 6	5 49
T 22	21 33	16 34	4 43	24 37	1 5	20 16	0 22	24 21	1 15	23 32	0 12	0 19	2 18	22 47	0 4	17 37	1 39	17 40	16 54	18 8	17 57	13 11	6 5	5 49
F 23	21 42	13 40	5 6	24 26	0 54	20 33	0 20	24 18	1 15	23 32	0 13	0 21	2 18	22 47	0 4	17 37	1 39	17 40	16 54	18 8	17 57	13 9	6 5	5 50
S 24	21 51	10 14	5 15	24 14	0 42	20 49	0 17	24 15	1 15	23 31	0 13	0 23	2 19	22 47	0 4	17 38	1 39	17 40	16 53	18 7	17 56	13 7	6 5	5 50
S 25	22 0	6 23	5 11	24 1	0 30	21 5	0 15	24 11	1 15	23 30	0 13	0 24	2 19	22 46	0 4	17 38	1 39	17 39	16 53	18 7	17 55	13 5	6 4	5 50
M26	22 9	2 16	4 53	23 47	0 17	21 20	0 12	24 8	1 15	23 30	0 13	0 26	2 19	22 46	0 4	17 39	1 39	17 39	16 52	18 7	17 54	13 3	6 4	5 50
T 27	22 17	2n 0	4 22	23 33	0 3	21 34	0 10	24 4	1 15	23 29	0 13	0 28	2 19	22 46	0 4	17 39	1 39	17 38	16 52	18 7	17 53	13 1	6 4	5 51
W28	22 24	6 17	3 38	23 18	0s11	21 48	0 8	24 0	1 15	23 28	0 13	0 29	2 20	22 46	0 4	17 40	1 39	17 38	16 51	18 7	17 52	12 59	6 3	5 51
T 29	22 31	10 25	2 43	23 3	0 26	22 1	0 5	23 56	1 14	23 28	0 13	0 31	2 20	22 45	0 4	17 40	1 39	17 38	16 50	18 8	17 51	12 57	6 3	5 51
F 30	22 38	14 10	1 37	22 47	0 42	22 14	0 3	23 51	1 14	23 27	0 13	0 32	2 20	22 45	0 4	17 41	1 39	17 37	16 50	18 8	17 51	12 56	6 3	5 52
S 31	22n45	17n18	0n25	22n31	0s58	22n26	0s 1	23n47	1n14	23n26	0n13	0n34	2s20	22s45	0s 4	17n41	1s39	17n37	16n49	18s 8	17s50	12s54	6s 3	5n52

Julian Day Number = 2170800.5, Delta T = 12m20s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'17, Lahiri = 13°08'18 Julian Calendar 1 May 1231 == Greg. Calendar 8 May 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

JUNE 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 53	16♊25'38	0♊39	3°R53	14♊10	16♋50	9♋29	6♈52	14°R52	25♉53	24♍25	21°R14	20♏ 0	10♒15	29°R56	S 1
M 2	17 7 49	17°22'53	14°56	3♋50	15°24	17°27	9°41	6°56	14♐50	25°55	24°25	21♏12	19°57	10°21	29♒56	M 2
T 3	17 11 46	18°20'07	29°29	3°44	16°37	18° 5	9°54	7° 0	14°47	25°57	24°25	21° 9	19°54	10°28	29°55	T 3
W 4	17 15 43	19°17'21	14♋14	3°33	17°51	18°42	10° 7	7° 4	14°45	25°59	24°26	21° 6	19°51	10°35	29°55	W 4
T 5	17 19 39	20°14'34	29° 2	3°18	19° 5	19°20	10°20	7° 8	14°42	26° 1	24°26	21° 2	19°48	10°41	29°54	T 5
F 6	17 23 36	21°11'46	13♌46	2°59	20°19	19°58	10°33	7°11	14°40	26° 3	24°26	20°58	19°44	10°48	29°54	F 6
S 7	17 27 32	22° 8'58	28°19	2°36	21°32	20°35	10°46	7°15	14°37	26° 5	24°26	20°55	19°41	10°55	29°53	S 7
S 8	17 31 29	23° 6'10	12♍37	2°10	22°46	21°13	10°59	7°19	14°35	26° 8	24°27	20°54	19°38	11° 2	29°53	S 8
M 9	17 35 25	24° 3'21	26°38	1°40	24° 0	21°50	11°12	7°22	14°33	26°10	24°27	20°D53	19°35	11° 8	29°52	M 9
T 10	17 39 22	25° 0'31	10♎19	1° 9	25°13	22°28	11°26	7°26	14°30	26°12	24°27	20°54	19°32	11°15	29°51	T 10
W11	17 43 18	25°57'41	23°44	0°35	26°27	23° 6	11°39	7°29	14°28	26°14	24°28	20°55	19°29	11°22	29°50	W11
T 12	17 47 15	26°54'50	6♏52	29♊59	27°41	23°43	11°52	7°32	14°25	26°16	24°28	20°57	19°25	11°29	29°50	T 12
F 13	17 51 12	27°52'00	19°45	29°24	28°54	24°21	12° 5	7°35	14°23	26°18	24°29	20°R57	19°22	11°35	29°49	F 13
S 14	17 55 8	28°49'09	2♐26	28°47	0♋ 8	24°59	12°18	7°38	14°21	26°20	24°29	20°57	19°19	11°42	29°48	S 14
S 15	17 59 5	29°46'18	14°55	28°11	1°22	25°36	12°31	7°41	14°18	26°22	24°30	20°54	19°16	11°49	29°47	S 15
M16	18 3 1	0♋43'27	27°15	27°36	2°36	26°14	12°45	7°44	14°16	26°23	24°30	20°50	19°13	11°55	29°46	M16
T 17	18 6 58	1°40'36	9♑25	27° 2	3°49	26°51	12°58	7°47	14°14	26°25	24°31	20°44	19°10	12° 2	29°44	T 17
W18	18 10 54	2°37'45	21°29	26°31	5° 3	27°29	13°11	7°50	14°11	26°27	24°32	20°37	19° 6	12° 9	29°43	W18
T 19	18 14 51	3°34'54	3♒27	26° 2	6°17	28° 7	13°24	7°52	14° 9	26°29	24°32	20°29	19° 3	12°16	29°42	T 19
F 20	18 18 47	4°32'03	15°20	25°37	7°31	28°44	13°38	7°55	14° 7	26°31	24°33	20°22	19° 0	12°22	29°41	F 20
S 21	18 22 44	5°29'13	27°12	25°15	8°45	29°22	13°51	7°57	14° 5	26°33	24°34	20°15	18°57	12°29	29°39	S 21
S 22	18 26 41	6°26'23	9♓ 6	24°57	9°58	29°59	14° 4	7°59	14° 3	26°35	24°35	20°10	18°54	12°36	29°38	S 22
M23	18 30 37	7°23'33	21° 5	24°44	11°12	0♌37	14°18	8° 2	14° 0	26°37	24°35	20° 6	18°50	12°43	29°37	M23
T 24	18 34 34	8°20'44	3♈13	24°36	12°26	1°15	14°31	8° 4	13°58	26°38	24°36	20°D 5	18°47	12°49	29°35	T 24
W25	18 38 30	9°17'56	15°35	24°D32	13°40	1°53	14°44	8° 6	13°56	26°40	24°37	20° 5	18°44	12°56	29°33	W25
T 26	18 42 27	10°15'08	28°16	24°34	14°54	2°31	14°58	8° 8	13°54	26°42	24°38	20° 6	18°41	13° 3	29°32	T 26
F 27	18 46 23	11°12'21	11♉21	24°41	16° 7	3° 8	15°11	8° 9	13°52	26°44	24°39	20° 7	18°38	13° 9	29°30	F 27
S 28	18 50 20	12° 9'35	24°51	24°54	17°21	3°46	15°24	8°11	13°50	26°45	24°40	20°R 7	18°35	13°16	29°29	S 28
S 29	18 54 16	13° 6'49	8♊50	25°12	18°35	4°24	15°38	8°13	13°48	26°47	24°41	20° 5	18°31	13°23	29°27	S 29
M30	18 58 13	14♋ 4'04	23♊16	25♊35	19♋49	5♌ 1	15♋51	8♈14	13♐46	26♉49	24♍42	20♏ 2	18♏28	13♒30	29♒25	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n51	19n32	0s52	22n15	1s14	22n37	0n 2	23n42	1n14	23n25	0n13	0n35	2s21	22s45	0s 4	17n42	1s39	17n36	16n49	18s 8	17s49	12s52	6s 2	5n52
M 2	22 56	20 35	2 6	21 59	1 30	22 48	0 4	23 37	1 14	23 24	0 13	0 36	2 21	22 44	0 4	17 42	1 39	17 36	16 48	18 8	17 48	12 50	6 2	5 53
T 3	23 1	20 18	3 15	21 43	1 46	22 58	0 7	23 32	1 14	23 23	0 13	0 38	2 21	22 44	0 4	17 43	1 39	17 35	16 48	18 7	17 47	12 48	6 2	5 53
W 4	23 6	18 37	4 10	21 26	2 3	23 8	0 9	23 27	1 14	23 22	0 14	0 39	2 21	22 44	0 4	17 43	1 39	17 35	16 47	18 6	17 46	12 46	6 2	5 53
T 5	23 11	15 42	4 50	21 10	2 19	23 16	0 11	23 22	1 14	23 22	0 14	0 40	2 22	22 44	0 4	17 44	1 39	17 34	16 47	18 5	17 45	12 44	6 2	5 53
F 6	23 15	11 49	5 10	20 55	2 36	23 24	0 14	23 16	1 14	23 21	0 14	0 42	2 22	22 43	0 4	17 44	1 39	17 33	16 46	18 4	17 45	12 42	6 2	5 54
S 7	23 18	7 16	5 10	20 39	2 51	23 32	0 16	23 10	1 14	23 20	0 14	0 43	2 22	22 43	0 4	17 45	1 39	17 33	16 46	18 4	17 44	12 40	6 2	5 54
S 8	23 21	2 23	4 50	20 25	3 7	23 39	0 18	23 4	1 14	23 19	0 14	0 44	2 22	22 43	0 4	17 45	1 39	17 32	16 45	18 3	17 43	12 38	6 2	5 54
M 9	23 24	2s32	4 14	20 10	3 21	23 45	0 21	22 58	1 14	23 18	0 14	0 45	2 23	22 42	0 4	17 46	1 39	17 32	16 45	18 3	17 42	12 36	6 2	5 55
T 10	23 27	7 13	3 24	19 57	3 35	23 50	0 23	22 52	1 14	23 17	0 14	0 46	2 23	22 42	0 4	17 46	1 40	17 31	16 44	18 3	17 41	12 34	6 2	5 55
W11	23 29	11 28	2 23	19 44	3 48	23 55	0 25	22 46	1 14	23 16	0 14	0 47	2 23	22 42	0 4	17 46	1 40	17 30	16 44	18 4	17 40	12 32	6 2	5 55
T 12	23 30	15 3	1 16	19 33	4 0	23 58	0 27	22 39	1 14	23 14	0 14	0 48	2 23	22 42	0 4	17 47	1 40	17 30	16 43	18 4	17 39	12 30	6 2	5 55
F 13	23 31	17 51	0 7	19 22	4 10	24 2	0 30	22 33	1 14	23 13	0 14	0 49	2 24	22 41	0 4	17 47	1 40	17 29	16 43	18 4	17 39	12 29	6 2	5 56
S 14	23 32	19 43	1n 2	19 13	4 19	24 4	0 32	22 26	1 14	23 12	0 14	0 50	2 24	22 41	0 4	17 48	1 40	17 28	16 42	18 4	17 38	12 27	6 2	5 56
S 15	23 32	20 35	2 6	19 4	4 27	24 6	0 34	22 19	1 13	23 11	0 14	0 51	2 24	22 41	0 4	17 48	1 40	17 28	16 42	18 3	17 37	12 25	6 2	5 56
M16	23 32	20 27	3 4	18 58	4 33	24 7	0 36	22 11	1 13	23 10	0 15	0 52	2 24	22 41	0 4	17 49	1 40	17 27	16 41	18 2	17 36	12 23	6 2	5 57
T 17	23 32	19 20	3 52	18 52	4 38	24 7	0 38	22 4	1 13	23 9	0 15	0 53	2 25	22 40	0 4	17 49	1 40	17 26	16 41	18 1	17 35	12 21	6 2	5 57
W18	23 31	17 22	4 30	18 48	4 41	24 7	0 41	21 57	1 13	23 8	0 15	0 54	2 25	22 40	0 4	17 49	1 40	17 26	16 40	17 59	17 34	12 19	6 2	5 57
T 19	23 29	14 41	4 55	18 46	4 43	24 6	0 43	21 49	1 13	23 6	0 15	0 55	2 25	22 40	0 4	17 50	1 40	17 25	16 40	17 57	17 33	12 17	6 3	5 57
F 20	23 28	11 25	5 7	18 45	4 43	24 4	0 45	21 41	1 13	23 5	0 15	0 55	2 26	22 40	0 4	17 50	1 40	17 24	16 39	17 55	17 32	12 15	6 3	5 58
S 21	23 25	7 42	5 6	18 46	4 41	24 1	0 47	21 33	1 13	23 4	0 15	0 56	2 26	22 39	0 4	17 51	1 40	17 23	16 39	17 53	17 32	12 13	6 3	5 58
S 22	23 23	3 41	4 52	18 48	4 38	23 58	0 49	21 25	1 13	23 2	0 15	0 57	2 26	22 39	0 4	17 51	1 40	17 23	16 38	17 51	17 31	12 11	6 3	5 58
M23	23 20	0n30	4 25	18 52	4 34	23 54	0 51	21 17	1 13	23 1	0 15	0 57	2 26	22 39	0 4	17 51	1 40	17 22	16 38	17 50	17 30	12 9	6 3	5 58
T 24	23 16	4 44	3 45	18 58	4 28	23 50	0 53	21 8	1 13	23 0	0 15	0 58	2 27	22 39	0 4	17 52	1 40	17 21	16 37	17 50	17 29	12 7	6 4	5 59
W25	23 13	8 51	2 55	19 4	4 21	23 44	0 54	21 0	1 12	22 58	0 15	0 58	2 27	22 38	0 4	17 52	1 40	17 20	16 37	17 50	17 28	12 5	6 4	5 59
T 26	23 8	12 41	1 55	19 12	4 13	23 38	0 56	20 51	1 12	22 57	0 15	0 59	2 27	22 38	0 4	17 53	1 40	17 19	16 36	17 50	17 27	12 3	6 4	5 59
F 27	23 4	16 2	0 47	19 22	4 4	23 31	0 58	20 42	1 12	22 56	0 16	0 59	2 27	22 38	0 4	17 53	1 40	17 19	16 36	17 51	17 26	12 1	6 5	5 59
S 28	22 59	18 39	0s25	19 32	3 54	23 24	1 0	20 33	1 12	22 54	0 16	1 0	2 28	22 38	0 4	17 53	1 40	17 18	16 35	17 51	17 25	11 59	6 5	6 0
S 29	22 53	20 14	1 39	19 44	3 43	23 15	1 2	20 24	1 12	22 53	0 16	1 0	2 28	22 37	0 4	17 54	1 40	17 17	16 35	17 50	17 25	11 57	6 6	6 0
M30	22n47	20n34	2s48	19n56	3s32	23n 7	1n 3	20n15	1n12	22n51	0n16	1n 1	2s28	22s37	0s 4	17n54	1s40	17n16	16n34	17s49	17s24	11s56	6s 6	6n 0

Julian Day Number = 2170831.5, Delta T = 12m20s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'21, Lahiri = 13°08'22 Julian Calendar 1 June 1231 == Greg. Calendar 8 June 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

JULY 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 10	15♋ 1'20	8♋ 4	26♊ 4	21♋ 3	5♌39	16♋ 4	8♈16	13°R44	26♉50	24♍43	19°R56	18♏25	13♒36	29°R23	T 1
W 2	19 6 6	15°58'36	23° 8	26°39	22°17	6°17	16°18	8°17	13♐42	26°52	24°44	19♏48	18°22	13°43	29♒21	W 2
T 3	19 10 3	16°55'52	8♌18	27°19	23°31	6°55	16°31	8°18	13°40	26°53	24°45	19°40	18°19	13°50	29°19	T 3
F 4	19 13 59	17°53'09	23°23	28° 5	24°45	7°33	16°45	8°19	13°38	26°55	24°46	19°32	18°16	13°56	29°17	F 4
S 5	19 17 56	18°50'27	8♍14	28°56	25°58	8°10	16°58	8°20	13°36	26°57	24°48	19°25	18°12	14° 3	29°15	S 5
S 6	19 21 52	19°47'44	22°45	29°53	27°12	8°48	17°11	8°21	13°34	26°58	24°49	19°20	18° 9	14°10	29°13	S 6
M 7	19 25 49	20°45'02	6♎52	0♋55	28°26	9°26	17°25	8°22	13°32	27° 0	24°50	19°17	18° 6	14°17	29°11	M 7
T 8	19 29 45	21°42'21	20°34	2° 2	29°40	10° 4	17°38	8°23	13°31	27° 1	24°51	19°D16	18° 3	14°23	29° 9	T 8
W 9	19 33 42	22°39'40	3♏52	3°14	0♌54	10°42	17°51	8°23	13°29	27° 3	24°53	19°17	18° 0	14°30	29° 7	W 9
T 10	19 37 39	23°37'00	16°49	4°31	2° 8	11°19	18° 5	8°24	13°27	27° 4	24°54	19°R17	17°56	14°37	29° 5	T 10
F 11	19 41 35	24°34'20	29°29	5°53	3°22	11°57	18°18	8°24	13°26	27° 5	24°55	19°17	17°53	14°44	29° 2	F 11
S 12	19 45 32	25°31'40	11♐55	7°20	4°36	12°35	18°31	8°24	13°24	27° 7	24°57	19°15	17°50	14°50	29° 0	S 12
S 13	19 49 28	26°29'02	24°11	8°51	5°50	13°13	18°45	8°25	13°22	27° 8	24°58	19°10	17°47	14°57	28°58	S 13
M14	19 53 25	27°26'24	6♑18	10°26	7° 4	13°51	18°58	8°R25	13°21	27° 9	24°59	19° 2	17°44	15° 4	28°55	M14
T 15	19 57 21	28°23'47	18°20	12° 6	8°18	14°29	19°11	8°25	13°19	27°11	25° 1	18°52	17°41	15°10	28°53	T 15
W16	20 1 18	29°21'11	0♒17	13°49	9°32	15° 7	19°24	8°24	13°18	27°12	25° 2	18°40	17°37	15°17	28°51	W16
T 17	20 5 14	0♌18'36	12°11	15°36	10°46	15°45	19°38	8°24	13°17	27°13	25° 4	18°28	17°34	15°24	28°48	T 17
F 18	20 9 11	1°16'02	24° 3	17°26	11°59	16°22	19°51	8°24	13°15	27°14	25° 5	18°15	17°31	15°31	28°46	F 18
S 19	20 13 8	2°13'29	5♓56	19°19	13°13	17° 0	20° 4	8°23	13°14	27°16	25° 7	18° 3	17°28	15°37	28°43	S 19
S 20	20 17 4	3°10'57	17°50	21°14	14°27	17°38	20°17	8°23	13°13	27°17	25° 8	17°54	17°25	15°44	28°41	S 20
M21	20 21 1	4° 8'26	29°50	23°12	15°41	18°16	20°30	8°22	13°11	27°18	25°10	17°47	17°22	15°51	28°38	M21
T 22	20 24 57	5° 5'57	11♈58	25°11	16°55	18°54	20°44	8°21	13°10	27°19	25°12	17°42	17°18	15°58	28°35	T 22
W23	20 28 54	6° 3'29	24°19	27°12	18° 9	19°32	20°57	8°21	13° 9	27°20	25°13	17°40	17°15	16° 4	28°33	W23
T 24	20 32 50	7° 1'03	6♉56	29°13	19°23	20°10	21°10	8°20	13° 8	27°21	25°15	17°D40	17°12	16°11	28°30	T 24
F 25	20 36 47	7°58'38	19°56	1♌16	20°37	20°48	21°23	8°18	13° 7	27°22	25°17	17°R40	17° 9	16°18	28°27	F 25
S 26	20 40 43	8°56'15	3♊21	3°18	21°51	21°26	21°36	8°17	13° 6	27°23	25°18	17°39	17° 6	16°24	28°25	S 26
S 27	20 44 40	9°53'53	17°14	5°21	23° 5	22° 4	21°49	8°16	13° 5	27°24	25°20	17°37	17° 2	16°31	28°22	S 27
M28	20 48 37	10°51'33	1♋37	7°24	24°19	22°43	22° 2	8°15	13° 4	27°25	25°22	17°32	16°59	16°38	28°19	M28
T 29	20 52 33	11°49'15	16°25	9°26	25°33	23°21	22°15	8°13	13° 3	27°26	25°24	17°25	16°56	16°45	28°16	T 29
W30	20 56 30	12°46'57	1♌34	11°28	26°47	23°59	22°28	8°12	13° 2	27°27	25°26	17°15	16°53	16°51	28°14	W30
T 31	21 0 26	13♌44'42	16♌53	13♌29	28♌ 1	24♌37	22♋41	8♈10	13♐ 1	27♉27	25♍27	17♏ 4	16♏50	16♒58	28♒11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n41	19n30	3s48	20n 9	3s19	22n57	1n 5	20n 6	1n12	22n50	0n16	1n 1	2s29	22s37	0s 4	17n54	1s40	17n15	16n34	17s48	17s23	11s54	6s 6	6n 0
W 2	22 35	17 4	4 33	20 23	3 7	22 47	1 6	19 56	1 12	22 48	0 16	1 1	2 29	22 37	0 4	17 55	1 40	17 14	16 33	17 46	17 22	11 52	6 7	6 0
T 3	22 28	13 27	4 59	20 37	2 53	22 36	1 8	19 46	1 11	22 47	0 16	1 1	2 29	22 36	0 4	17 55	1 40	17 14	16 33	17 43	17 21	11 50	6 7	6 1
F 4	22 20	8 59	5 4	20 52	2 40	22 24	1 9	19 36	1 11	22 45	0 16	1 1	2 29	22 36	0 4	17 55	1 40	17 13	16 33	17 41	17 20	11 48	6 8	6 1
S 5	22 12	4 3	4 49	21 6	2 26	22 12	1 11	19 27	1 11	22 44	0 16	1 2	2 30	22 36	0 4	17 56	1 40	17 12	16 32	17 39	17 19	11 46	6 8	6 1
S 6	22 4	1s 1	4 15	21 21	2 11	21 59	1 12	19 16	1 11	22 42	0 16	1 2	2 30	22 36	0 4	17 56	1 40	17 11	16 32	17 38	17 18	11 44	6 9	6 1
M 7	21 56	5 53	3 26	21 35	1 57	21 45	1 14	19 6	1 11	22 40	0 16	1 2	2 30	22 35	0 4	17 56	1 40	17 10	16 31	17 37	17 18	11 42	6 9	6 1
T 8	21 47	10 20	2 27	21 49	1 42	21 31	1 15	18 56	1 11	22 39	0 17	1 2	2 31	22 35	0 4	17 57	1 40	17 9	16 31	17 37	17 17	11 40	6 10	6 2
W 9	21 37	14 8	1 21	22 2	1 28	21 17	1 16	18 45	1 11	22 37	0 17	1 2	2 31	22 35	0 4	17 57	1 40	17 8	16 30	17 37	17 16	11 38	6 10	6 2
T 10	21 28	17 8	0 13	22 14	1 13	21 1	1 17	18 35	1 10	22 35	0 17	1 2	2 31	22 35	0 4	17 57	1 40	17 7	16 30	17 37	17 15	11 36	6 11	6 2
F 11	21 18	19 15	0n54	22 25	0 59	20 45	1 18	18 24	1 10	22 34	0 17	1 2	2 31	22 35	0 4	17 57	1 41	17 6	16 29	17 37	17 14	11 34	6 12	6 2
S 12	21 7	20 22	1 57	22 35	0 45	20 28	1 19	18 13	1 10	22 32	0 17	1 1	2 32	22 34	0 4	17 58	1 41	17 5	16 29	17 36	17 13	11 32	6 12	6 2
S 13	20 57	20 30	2 54	22 43	0 31	20 11	1 20	18 2	1 10	22 30	0 17	1 1	2 32	22 34	0 4	17 58	1 41	17 4	16 29	17 35	17 12	11 30	6 13	6 2
M14	20 45	19 41	3 42	22 50	0 18	19 54	1 21	17 51	1 10	22 28	0 17	1 1	2 32	22 34	0 4	17 58	1 41	17 4	16 28	17 33	17 11	11 28	6 14	6 3
T 15	20 34	17 59	4 20	22 54	0 5	19 35	1 22	17 40	1 10	22 27	0 17	1 1	2 33	22 34	0 4	17 58	1 41	17 3	16 28	17 30	17 10	11 26	6 14	6 3
W16	20 22	15 31	4 46	22 57	0n 8	19 16	1 23	17 29	1 9	22 25	0 17	1 0	2 33	22 34	0 4	17 59	1 41	17 2	16 27	17 27	17 9	11 24	6 15	6 3
T 17	20 10	12 25	4 59	22 57	0 20	18 57	1 24	17 17	1 9	22 23	0 17	1 0	2 33	22 34	0 4	17 59	1 41	17 1	16 27	17 24	17 9	11 22	6 16	6 3
F 18	19 58	8 51	4 59	22 54	0 31	18 37	1 24	17 6	1 9	22 21	0 18	1 0	2 33	22 33	0 5	17 59	1 41	17 0	16 27	17 20	17 8	11 20	6 16	6 3
S 19	19 45	4 56	4 47	22 50	0 42	18 16	1 25	16 54	1 9	22 19	0 18	0 59	2 34	22 33	0 5	17 59	1 41	16 59	16 26	17 17	17 7	11 18	6 17	6 3
S 20	19 32	0 49	4 21	22 42	0 51	17 55	1 26	16 42	1 9	22 17	0 18	0 59	2 34	22 33	0 5	18 0	1 41	16 58	16 26	17 14	17 6	11 16	6 18	6 3
M21	19 18	3n22	3 44	22 32	1 0	17 34	1 26	16 30	1 9	22 16	0 18	0 58	2 34	22 33	0 5	18 0	1 41	16 57	16 25	17 12	17 5	11 14	6 19	6 3
T 22	19 4	7 28	2 57	22 19	1 9	17 12	1 26	16 18	1 8	22 14	0 18	0 58	2 35	22 33	0 5	18 0	1 41	16 56	16 25	17 11	17 4	11 12	6 20	6 4
W23	18 50	11 20	2 0	22 3	1 16	16 50	1 27	16 6	1 8	22 12	0 18	0 57	2 35	22 33	0 5	18 0	1 41	16 55	16 25	17 10	17 3	11 10	6 20	6 4
T 24	18 36	14 47	0 57	21 45	1 23	16 27	1 27	15 54	1 8	22 10	0 18	0 56	2 35	22 33	0 5	18 0	1 41	16 54	16 24	17 10	17 2	11 8	6 21	6 4
F 25	18 21	17 36	0s12	21 24	1 28	16 3	1 27	15 41	1 8	22 8	0 18	0 56	2 35	22 32	0 5	18 1	1 41	16 53	16 24	17 10	17 1	11 6	6 22	6 4
S 26	18 6	19 34	1 22	21 1	1 33	15 40	1 28	15 29	1 8	22 6	0 18	0 55	2 36	22 32	0 5	18 1	1 41	16 52	16 24	17 10	17 0	11 4	6 23	6 4
S 27	17 50	20 26	2 29	20 35	1 37	15 15	1 28	15 16	1 7	22 4	0 19	0 54	2 36	22 32	0 5	18 1	1 41	16 51	16 23	17 9	17 0	11 2	6 24	6 4
M28	17 35	20 2	3 30	20 7	1 41	14 51	1 28	15 4	1 7	22 2	0 19	0 53	2 36	22 32	0 5	18 1	1 41	16 50	16 23	17 8	16 59	11 0	6 25	6 4
T 29	17 19	18 15	4 18	19 37	1 43	14 26	1 28	14 51	1 7	22 0	0 19	0 53	2 36	22 32	0 5	18 1	1 41	16 49	16 23	17 6	16 58	10 58	6 25	6 4
W30	17 3	15 11	4 49	19 6	1 45	14 0	1 28	14 38	1 7	21 58	0 19	0 52	2 37	22 32	0 5	18 1	1 41	16 48	16 22	17 3	16 57	10 56	6 26	6 4
T 31	16n46	11n 4	5s 0	18n32	1n46	13n34	1n27	14n25	1n 7	21n56	0n19	0n51	2s37	22s32	0s 5	18n 2	1s41	16n47	16n22	17s 0	16s56	10s54	6s27	6n 4

Julian Day Number = 2170861.5, Delta T = 12m19s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'26, Lahiri = 13°08'26 Julian Calendar 1 July 1231 == Greg. Calendar 8 July 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

AUGUST 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 4 23	14♌42'27	2♍10	15♌29	29♌15	25♌15	22♋54	8°R 8	13°R 0	27♉28	25♍29	16°R54	16♏47	17♒ 5	28°R 8	F 1
S 2	21 8 19	15°40'14	17°15	17°28	0♍29	25°53	23° 6	8♈ 6	13♐ 0	27°29	25°31	16♏44	16°43	17°11	28♒ 5	S 2
S 3	21 12 16	16°38'02	1♎59	19°26	1°43	26°31	23°19	8° 4	12°59	27°30	25°33	16°37	16°40	17°18	28° 2	S 3
M 4	21 16 12	17°35'52	16°16	21°23	2°57	27°10	23°32	8° 2	12°58	27°30	25°35	16°33	16°37	17°25	27°59	M 4
T 5	21 20 9	18°33'42	0♏ 4	23°18	4°11	27°48	23°45	8° 0	12°58	27°31	25°37	16°31	16°34	17°32	27°56	T 5
W 6	21 24 6	19°31'34	13°25	25°13	5°25	28°26	23°57	7°58	12°57	27°32	25°39	16°30	16°31	17°38	27°54	W 6
T 7	21 28 2	20°29'27	26°21	27° 6	6°39	29° 4	24°10	7°56	12°57	27°32	25°41	16°30	16°28	17°45	27°51	T 7
F 8	21 31 59	21°27'22	8♐56	28°57	7°53	29°42	24°22	7°53	12°57	27°33	25°43	16°29	16°24	17°52	27°48	F 8
S 9	21 35 55	22°25'17	21°16	0♍48	9° 7	0♍21	24°35	7°51	12°56	27°33	25°45	16°27	16°21	17°59	27°45	S 9
S 10	21 39 52	23°23'15	3♑24	2°37	10°21	0°59	24°47	7°48	12°56	27°34	25°47	16°21	16°18	18° 5	27°42	S 10
M11	21 43 48	24°21'13	15°24	4°25	11°35	1°37	25° 0	7°45	12°56	27°34	25°49	16°13	16°15	18°12	27°39	M11
T 12	21 47 45	25°19'13	27°19	6°11	12°49	2°16	25°12	7°43	12°55	27°35	25°51	16° 3	16°12	18°19	27°36	T 12
W13	21 51 41	26°17'15	9♒12	7°57	14° 3	2°54	25°25	7°40	12°55	27°35	25°53	15°50	16° 8	18°25	27°33	W13
T 14	21 55 38	27°15'18	21° 5	9°41	15°17	3°32	25°37	7°37	12°55	27°36	25°55	15°37	16° 5	18°32	27°30	T 14
F 15	21 59 35	28°13'22	2♓59	11°23	16°31	4°11	25°49	7°34	12°55	27°36	25°57	15°23	16° 2	18°39	27°27	F 15
S 16	22 3 31	29°11'29	14°55	13° 5	17°45	4°49	26° 1	7°31	12°D55	27°36	25°59	15°11	15°59	18°46	27°24	S 16
S 17	22 7 28	0♍ 9'37	26°55	14°45	18°59	5°28	26°13	7°27	12°55	27°37	26° 1	15° 0	15°56	18°52	27°21	S 17
M18	22 11 24	1° 7'47	9♈ 0	16°24	20°13	6° 6	26°25	7°24	12°55	27°37	26° 3	14°53	15°53	18°59	27°18	M18
T 19	22 15 21	2° 5'59	21°14	18° 2	21°27	6°44	26°37	7°21	12°55	27°37	26° 6	14°48	15°49	19° 6	27°15	T 19
W20	22 19 17	3° 4'13	3♉38	19°39	22°41	7°23	26°49	7°17	12°56	27°37	26° 8	14°46	15°46	19°13	27°12	W20
T 21	22 23 14	4° 2'30	16°18	21°14	23°55	8° 1	27° 1	7°14	12°56	27°37	26°10	14°D45	15°43	19°19	27°10	T 21
F 22	22 27 10	5° 0'48	29°15	22°49	25° 9	8°40	27°13	7°10	12°56	27°37	26°12	14°R45	15°40	19°26	27° 7	F 22
S 23	22 31 7	5°59'08	12♊35	24°22	26°23	9°18	27°25	7° 7	12°56	27°38	26°14	14°45	15°37	19°33	27° 4	S 23
S 24	22 35 4	6°57'31	26°20	25°54	27°37	9°57	27°37	7° 3	12°57	27°38	26°16	14°44	15°33	19°39	27° 1	S 24
M25	22 39 0	7°55'56	10♋31	27°25	28°51	10°36	27°48	6°59	12°57	27°R38	26°19	14°40	15°30	19°46	26°58	M25
T 26	22 42 57	8°54'23	25° 8	28°55	0♎ 5	11°14	28° 0	6°55	12°58	27°38	26°21	14°34	15°27	19°53	26°55	T 26
W27	22 46 53	9°52'52	10♌ 5	0♎24	1°19	11°53	28°11	6°51	12°58	27°37	26°23	14°26	15°24	20° 0	26°52	W27
T 28	22 50 50	10°51'23	25°16	1°51	2°33	12°32	28°23	6°47	12°59	27°37	26°25	14°17	15°21	20° 6	26°49	T 28
F 29	22 54 46	11°49'57	10♍30	3°17	3°46	13°10	28°34	6°43	13° 0	27°37	26°28	14° 7	15°18	20°13	26°47	F 29
S 30	22 58 43	12°48'32	25°36	4°43	5° 0	13°49	28°45	6°39	13° 0	27°37	26°30	13°59	15°14	20°20	26°44	S 30
S 31	23 2 39	13♍47'09	10♎24	6♎ 7	6♎14	14♍28	28♋57	6♈35	13♐ 1	27♉37	26♍32	13♏53	15♏11	20♒26	26♒41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n29	6n14	4s50	17n57	1n46	13n 8	1n27	14n12	1n 6	21n54	0n19	0n50	2s37	22s32	0s 5	18n 2	1s42	16n46	16n22	16s57	16s55	10s52	6s28	6n 4	F 1
S 2	16 12	1 4	4 19	17 21	1 46	12 42	1 27	13 59	1 6	21 52	0 19	0 49	2 38	22 32	0 5	18 2	1 42	16 45	16 21	16 54	16 54	10 50	6 29	6 4	S 2
S 3	15 55	4s 2	3 32	16 43	1 45	12 15	1 26	13 46	1 6	21 50	0 19	0 48	2 38	22 32	0 5	18 2	1 42	16 44	16 21	16 52	16 53	10 48	6 30	6 4	S 3
M 4	15 37	8 46	2 32	16 4	1 43	11 48	1 26	13 32	1 6	21 48	0 19	0 47	2 38	22 31	0 5	18 2	1 42	16 43	16 21	16 51	16 52	10 46	6 31	6 4	M 4
T 5	15 19	12 53	1 26	15 24	1 41	11 20	1 25	13 19	1 6	21 46	0 20	0 46	2 38	22 31	0 5	18 2	1 42	16 42	16 20	16 50	16 51	10 44	6 32	6 4	T 5
W 6	15 1	16 11	0 16	14 43	1 39	10 53	1 25	13 5	1 5	21 44	0 20	0 45	2 39	22 31	0 5	18 2	1 42	16 40	16 20	16 50	16 51	10 42	6 33	6 4	W 6
T 7	14 43	18 35	0n52	14 2	1 36	10 25	1 24	12 52	1 5	21 42	0 20	0 44	2 39	22 31	0 5	18 2	1 42	16 39	16 20	16 50	16 50	10 40	6 34	6 4	T 7
F 8	14 25	19 59	1 56	13 19	1 32	9 56	1 24	12 38	1 5	21 39	0 20	0 42	2 39	22 31	0 5	18 2	1 42	16 38	16 20	16 50	16 49	10 38	6 35	6 4	F 8
S 9	14 6	20 23	2 53	12 36	1 28	9 28	1 23	12 24	1 5	21 37	0 20	0 41	2 39	22 31	0 5	18 2	1 42	16 37	16 19	16 49	16 48	10 36	6 36	6 4	S 9
S 10	13 47	19 49	3 41	11 53	1 24	8 59	1 22	12 10	1 5	21 35	0 20	0 40	2 40	22 31	0 5	18 2	1 42	16 36	16 19	16 48	16 47	10 34	6 37	6 4	S 10
M11	13 27	18 22	4 18	11 9	1 19	8 30	1 21	11 57	1 4	21 33	0 20	0 39	2 40	22 31	0 5	18 3	1 42	16 35	16 19	16 46	16 46	10 32	6 38	6 4	M11
T 12	13 8	16 8	4 44	10 25	1 14	8 0	1 20	11 42	1 4	21 31	0 20	0 37	2 40	22 31	0 5	18 3	1 42	16 34	16 19	16 42	16 45	10 30	6 39	6 4	T 12
W13	12 48	13 14	4 58	9 41	1 8	7 31	1 19	11 28	1 4	21 29	0 20	0 36	2 40	22 31	0 5	18 3	1 42	16 33	16 18	16 39	16 44	10 28	6 40	6 4	W13
T 14	12 28	9 48	4 59	8 56	1 3	7 1	1 18	11 14	1 4	21 27	0 21	0 35	2 40	22 31	0 5	18 3	1 42	16 32	16 18	16 35	16 43	10 26	6 41	6 4	T 14
F 15	12 8	6 0	4 46	8 12	0 57	6 31	1 17	11 0	1 3	21 24	0 21	0 33	2 41	22 31	0 5	18 3	1 42	16 31	16 18	16 31	16 42	10 24	6 42	6 4	F 15
S 16	11 48	1 57	4 21	7 27	0 50	6 1	1 16	10 46	1 3	21 22	0 21	0 32	2 41	22 31	0 5	18 3	1 42	16 30	16 18	16 27	16 41	10 22	6 43	6 4	S 16
S 17	11 28	2n12	3 45	6 42	0 44	5 31	1 14	10 31	1 3	21 20	0 21	0 30	2 41	22 31	0 5	18 3	1 42	16 29	16 17	16 24	16 40	10 20	6 44	6 4	S 17
M18	11 7	6 18	2 57	5 58	0 37	5 0	1 13	10 17	1 3	21 18	0 21	0 29	2 41	22 31	0 5	18 3	1 42	16 28	16 17	16 22	16 39	10 18	6 45	6 4	M18
T 19	10 46	10 11	2 1	5 13	0 30	4 30	1 11	10 2	1 2	21 16	0 21	0 27	2 41	22 31	0 5	18 3	1 42	16 27	16 17	16 21	16 39	10 16	6 46	6 4	T 19
W20	10 25	13 42	0 59	4 28	0 23	3 59	1 10	9 48	1 2	21 14	0 21	0 26	2 42	22 31	0 5	18 3	1 43	16 26	16 17	16 20	16 38	10 14	6 47	6 4	W20
T 21	10 4	16 39	0s 8	3 44	0 16	3 28	1 8	9 33	1 2	21 11	0 21	0 24	2 42	22 31	0 5	18 3	1 43	16 25	16 17	16 20	16 37	10 12	6 48	6 4	T 21
F 22	9 43	18 50	1 16	3 0	0 9	2 57	1 7	9 18	1 2	21 9	0 22	0 23	2 42	22 31	0 5	18 3	1 43	16 24	16 17	16 20	16 36	10 10	6 50	6 4	F 22
S 23	9 21	20 3	2 22	2 16	0 1	2 26	1 5	9 4	1 1	21 7	0 22	0 21	2 42	22 31	0 5	18 3	1 43	16 23	16 16	16 20	16 35	10 8	6 51	6 4	S 23
S 24	9 0	20 7	3 22	1 32	0s 6	1 55	1 3	8 49	1 1	21 5	0 22	0 19	2 42	22 31	0 5	18 3	1 43	16 22	16 16	16 19	16 34	10 6	6 52	6 3	S 24
M25	8 38	18 56	4 12	0 49	0 14	1 24	1 2	8 34	1 1	21 3	0 22	0 18	2 43	22 31	0 5	18 3	1 43	16 21	16 16	16 18	16 33	10 4	6 53	6 3	M25
T 26	8 16	16 30	4 46	0 6	0 22	0 53	1 0	8 19	1 1	21 1	0 22	0 16	2 43	22 31	0 5	18 2	1 43	16 20	16 16	16 16	16 32	10 2	6 54	6 3	T 26
W27	7 54	12 56	5 2	0s36	0 30	0 22	0 58	8 4	1 0	20 58	0 22	0 14	2 43	22 32	0 5	18 2	1 43	16 19	16 16	16 14	16 31	10 0	6 55	6 3	W27
T 28	7 31	8 28	4 58	1 19	0 37	0s10	0 56	7 49	1 0	20 56	0 22	0 13	2 43	22 32	0 5	18 2	1 43	16 18	16 16	16 11	16 30	9 58	6 56	6 3	T 28
F 29	7 9	3 28	4 32	2 0	0 45	0 41	0 54	7 33	1 0	20 54	0 23	0 11	2 43	22 32	0 5	18 2	1 43	16 17	16 16	16 8	16 29	9 56	6 57	6 3	F 29
S 30	6 47	1s43	3 48	2 42	0 53	1 12	0 52	7 18	0 59	20 52	0 23	0 9	2 43	22 32	0 5	18 2	1 43	16 16	16 16	16 6	16 28	9 54	6 58	6 3	S 30
S 31	6n24	6s43	2s48	3s22	1s 1	1s43	0n50	7n 3	0n59	20n50	0n23	0n 7	2s44	22s32	0s 5	18n 2	1s43	16n15	16n16	16s 4	16s27	9s52	6s59	6n 2	S 31

Julian Day Number = 2170892.5, Delta T = 12m19s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'30, Lahiri = 13°08'30 Julian Calendar 1 Aug. 1231 == Greg. Calendar 8 Aug. 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

SEPTEMBER 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 6 36	14♍45'47	24♎48	7♎29	7♎28	15♍ 6	29♋ 8	6°R31	13♐ 2	27°R37	26♍34	13°R49	15♏ 8	20♒33	26°R38	M 1
T 2	23 10 32	15°44'28	8♏43	8°51	8°42	15°45	29°19	6♈27	13° 3	27♉36	26°37	13°D47	15° 5	20°40	26♒36	T 2
W 3	23 14 29	16°43'10	22°10	10°11	9°56	16°24	29°30	6°22	13° 4	27°36	26°39	13♏47	15° 2	20°47	26°33	W 3
T 4	23 18 26	17°41'55	5♐11	11°30	11°10	17° 3	29°41	6°18	13° 5	27°36	26°41	13°48	14°59	20°53	26°30	T 4
F 5	23 22 22	18°40'40	17°49	12°47	12°24	17°42	29°51	6°14	13° 6	27°35	26°44	13°R49	14°55	21° 0	26°28	F 5
S 6	23 26 19	19°39'28	0♑ 8	14° 3	13°38	18°21	0♌ 2	6° 9	13° 7	27°35	26°46	13°48	14°52	21° 7	26°25	S 6
S 7	23 30 15	20°38'18	12°15	15°18	14°51	18°59	0°13	6° 5	13° 8	27°35	26°48	13°46	14°49	21°14	26°22	S 7
M 8	23 34 12	21°37'09	24°13	16°31	16° 5	19°38	0°23	6° 0	13° 9	27°34	26°51	13°41	14°46	21°20	26°20	M 8
T 9	23 38 8	22°36'02	6♒ 6	17°42	17°19	20°17	0°34	5°56	13°10	27°34	26°53	13°34	14°43	21°27	26°17	T 9
W10	23 42 5	23°34'56	17°58	18°51	18°33	20°56	0°44	5°51	13°11	27°33	26°55	13°26	14°39	21°34	26°15	W10
T 11	23 46 1	24°33'53	29°51	19°59	19°47	21°35	0°54	5°46	13°13	27°33	26°58	13°16	14°36	21°40	26°12	T 11
F 12	23 49 58	25°32'52	11♓49	21° 4	21° 0	22°14	1° 4	5°42	13°14	27°32	27° 0	13° 7	14°33	21°47	26°10	F 12
S 13	23 53 55	26°31'52	23°51	22° 7	22°14	22°53	1°14	5°37	13°16	27°31	27° 2	12°58	14°30	21°54	26° 7	S 13
S 14	23 57 51	27°30'55	6♈ 1	23° 8	23°28	23°32	1°24	5°32	13°17	27°31	27° 4	12°51	14°27	22° 1	26° 5	S 14
M15	0 1 48	28°30'00	18°18	24° 6	24°42	24°11	1°34	5°28	13°18	27°30	27° 7	12°46	14°24	22° 7	26° 3	M15
T 16	0 5 44	29°29'07	0♉44	25° 1	25°55	24°51	1°44	5°23	13°20	27°29	27° 9	12°44	14°20	22°14	26° 0	T 16
W17	0 9 41	0♎28'16	13°22	25°54	27° 9	25°30	1°54	5°18	13°22	27°29	27°11	12°D43	14°17	22°21	25°58	W17
T 18	0 13 37	1°27'27	26°11	26°43	28°23	26° 9	2° 3	5°14	13°23	27°28	27°14	12°44	14°14	22°27	25°56	T 18
F 19	0 17 34	2°26'41	9♊16	27°28	29°36	26°48	2°13	5° 9	13°25	27°27	27°16	12°45	14°11	22°34	25°54	F 19
S 20	0 21 30	3°25'57	22°38	28° 9	0♏50	27°27	2°22	5° 4	13°27	27°26	27°18	12°46	14° 8	22°41	25°51	S 20
S 21	0 25 27	4°25'16	6♋19	28°46	2° 4	28° 7	2°31	4°59	13°29	27°25	27°21	12°R47	14° 4	22°48	25°49	S 21
M22	0 29 24	5°24'37	20°20	29°18	3°18	28°46	2°40	4°55	13°30	27°25	27°23	12°46	14° 1	22°54	25°47	M22
T 23	0 33 20	6°24'00	4♌41	29°46	4°31	29°25	2°49	4°50	13°32	27°24	27°25	12°43	13°58	23° 1	25°45	T 23
W24	0 37 17	7°23'26	19°18	0♏ 7	5°45	0♎ 4	2°58	4°45	13°34	27°23	27°28	12°39	13°55	23° 8	25°43	W24
T 25	0 41 13	8°22'54	4♍ 7	0°22	6°58	0°44	3° 7	4°40	13°36	27°22	27°30	12°34	13°52	23°15	25°41	T 25
F 26	0 45 10	9°22'24	19° 1	0°31	8°12	1°23	3°16	4°36	13°38	27°21	27°32	12°29	13°49	23°21	25°39	F 26
S 27	0 49 6	10°21'57	3♎51	0°R32	9°26	2° 3	3°24	4°31	13°40	27°20	27°34	12°25	13°45	23°28	25°37	S 27
S 28	0 53 3	11°21'31	18°29	0°26	10°39	2°42	3°32	4°26	13°42	27°19	27°37	12°21	13°42	23°35	25°36	S 28
M29	0 56 59	12°21'08	2♏48	0°12	11°53	3°22	3°41	4°21	13°44	27°18	27°39	12°20	13°39	23°41	25°34	M29
T 30	1 0 56	13♎20'46	16♏44	29♎49	13♏ 6	4♎ 1	3♌49	4♈17	13♐47	27♉16	27♍41	12°D19	13♏36	23♒48	25♒32	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n 1	11s11	1s40	4s 2	1s 9	2s15	0n48	6n48	0n59	20n47	0n23	0n 6	2s44	22s32	0s 5	18n 2	1s43	16n14	16n15	16s 3	16s27	9s50	7s 0	6n 2
T 2	5 39	14 54	0 27	4 42	1 17	2 46	0 46	6 32	0 59	20 45	0 23	0 4	2 44	22 32	0 5	18 2	1 43	16 13	16 15	16 3	16 26	9 48	7 1	6 2
W 3	5 16	17 40	0n45	5 21	1 25	3 17	0 43	6 17	0 58	20 43	0 23	0 2	2 44	22 32	0 5	18 2	1 43	16 12	16 15	16 3	16 25	9 46	7 2	6 2
T 4	4 53	19 25	1 52	5 59	1 33	3 48	0 41	6 2	0 58	20 41	0 23	0 0	2 44	22 32	0 5	18 2	1 43	16 11	16 15	16 3	16 24	9 44	7 4	6 2
F 5	4 30	20 7	2 52	6 37	1 40	4 19	0 39	5 46	0 58	20 39	0 24	0s 2	2 44	22 33	0 5	18 1	1 43	16 10	16 15	16 3	16 23	9 42	7 5	6 2
S 6	4 7	19 50	3 42	7 14	1 48	4 50	0 36	5 31	0 57	20 37	0 24	0 4	2 44	22 33	0 5	18 1	1 43	16 9	16 15	16 3	16 22	9 40	7 6	6 1
S 7	3 43	18 38	4 22	7 50	1 56	5 21	0 34	5 15	0 57	20 35	0 24	0 5	2 44	22 33	0 5	18 1	1 43	16 8	16 15	16 2	16 21	9 38	7 7	6 1
M 8	3 20	16 37	4 49	8 25	2 3	5 52	0 32	4 59	0 57	20 32	0 24	0 7	2 44	22 33	0 5	18 1	1 44	16 7	16 15	16 1	16 20	9 36	7 8	6 1
T 9	2 57	13 55	5 4	8 59	2 11	6 23	0 29	4 44	0 57	20 30	0 24	0 9	2 45	22 33	0 5	18 1	1 44	16 6	16 15	15 59	16 19	9 34	7 9	6 1
W10	2 34	10 40	5 5	9 32	2 18	6 53	0 26	4 28	0 56	20 28	0 24	0 11	2 45	22 33	0 5	18 1	1 44	16 5	16 15	15 56	16 18	9 32	7 10	6 0
T 11	2 10	6 59	4 54	10 4	2 25	7 24	0 24	4 12	0 56	20 26	0 24	0 13	2 45	22 33	0 5	18 1	1 44	16 5	16 15	15 53	16 17	9 30	7 11	6 0
F 12	1 47	3 1	4 29	10 36	2 32	7 54	0 21	3 57	0 56	20 24	0 25	0 15	2 45	22 34	0 5	18 0	1 44	16 4	16 15	15 50	16 16	9 28	7 12	6 0
S 13	1 23	1n 7	3 53	11 5	2 38	8 24	0 19	3 41	0 55	20 22	0 25	0 17	2 45	22 34	0 5	18 0	1 44	16 3	16 15	15 48	16 15	9 26	7 13	6 0
S 14	1 0	5 14	3 5	11 34	2 44	8 54	0 16	3 25	0 55	20 20	0 25	0 19	2 45	22 34	0 5	18 0	1 44	16 2	16 15	15 46	16 14	9 24	7 14	6 0
M15	0 36	9 11	2 8	12 1	2 50	9 24	0 13	3 9	0 55	20 18	0 25	0 21	2 45	22 34	0 5	18 0	1 44	16 1	16 15	15 44	16 13	9 22	7 15	5 59
T 16	0 12	12 47	1 4	12 27	2 56	9 53	0 11	2 53	0 54	20 16	0 25	0 23	2 45	22 34	0 5	18 0	1 44	16 0	16 15	15 43	16 12	9 20	7 16	5 59
W17	0s11	15 51	0s 3	12 51	3 1	10 23	0 8	2 37	0 54	20 14	0 25	0 25	2 45	22 35	0 5	17 59	1 44	15 59	16 15	15 43	16 11	9 18	7 17	5 59
T 18	0 35	18 12	1 13	13 14	3 6	10 52	0 5	2 21	0 54	20 12	0 26	0 26	2 45	22 35	0 5	17 59	1 44	15 58	16 15	15 43	16 11	9 16	7 18	5 59
F 19	0 59	19 38	2 19	13 34	3 11	11 21	0 2	2 6	0 53	20 10	0 26	0 28	2 45	22 35	0 5	17 59	1 44	15 58	16 15	15 44	16 10	9 14	7 19	5 58
S 20	1 22	20 0	3 20	13 53	3 14	11 49	0s 1	1 50	0 53	20 8	0 26	0 30	2 45	22 35	0 5	17 59	1 44	15 57	16 16	15 44	16 9	9 12	7 20	5 58
S 21	1 46	19 13	4 11	14 9	3 18	12 18	0 3	1 34	0 53	20 6	0 26	0 32	2 45	22 35	0 5	17 58	1 44	15 56	16 16	15 44	16 8	9 10	7 21	5 58
M22	2 9	17 15	4 48	14 23	3 20	12 46	0 6	1 18	0 52	20 4	0 26	0 34	2 45	22 36	0 5	17 58	1 44	15 55	16 16	15 44	16 7	9 8	7 22	5 57
T 23	2 33	14 11	5 8	14 35	3 22	13 13	0 9	1 2	0 52	20 2	0 26	0 36	2 45	22 36	0 5	17 58	1 44	15 54	16 16	15 43	16 6	9 6	7 23	5 57
W24	2 57	10 12	5 9	14 43	3 23	13 41	0 12	0 46	0 52	20 0	0 27	0 38	2 45	22 36	0 5	17 58	1 44	15 53	16 16	15 42	16 5	9 4	7 24	5 57
T 25	3 20	5 32	4 50	14 48	3 23	14 8	0 15	0 30	0 51	19 58	0 27	0 40	2 45	22 36	0 5	17 57	1 44	15 53	16 16	15 40	16 4	9 2	7 25	5 57
F 26	3 44	0 31	4 11	14 50	3 22	14 35	0 18	0 13	0 51	19 57	0 27	0 42	2 45	22 37	0 5	17 57	1 44	15 52	16 16	15 39	16 3	9 0	7 26	5 56
S 27	4 7	4s31	3 15	14 49	3 19	15 1	0 21	0s 3	0 51	19 55	0 27	0 44	2 45	22 37	0 5	17 57	1 44	15 51	16 16	15 38	16 2	8 58	7 27	5 56
S 28	4 31	9 14	2 7	14 43	3 16	15 27	0 24	0 19	0 50	19 53	0 27	0 45	2 45	22 37	0 5	17 57	1 44	15 50	16 17	15 37	16 1	8 56	7 27	5 56
M29	4 54	13 18	0 52	14 33	3 10	15 53	0 26	0 35	0 50	19 51	0 27	0 47	2 45	22 37	0 5	17 56	1 44	15 49	16 17	15 36	16 0	8 54	7 28	5 55
T 30	5s17	16s31	0n24	14s19	3s 4	16s18	0s29	0s51	0n50	19n49	0n28	0s49	2s45	22s38	0s 5	17n56	1s45	15n49	16n17	15s36	15s59	8s51	7s29	5n55

Julian Day Number = 2170923.5, Delta T = 12m19s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'34, Lahiri = 13°08'34 Julian Calendar 1 Sept. 1231 == Greg. Calendar 8 Sept. 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

OCTOBER 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 4 53	14♎20'26	0♐14	29°R18	14♏20	4♎41	3♌57	4°R12	13♐49	27°R15	27♍44	12♏20	13♏33	23♒55	25°R31	W 1
T 2	1 8 49	15°20'09	13°20	28♎37	15°34	5°20	4° 5	4♈ 7	13°51	27♉14	27°46	12°22	13°30	24° 2	25♒29	T 2
F 3	1 12 46	16°19'53	26° 2	27°49	16°47	6° 0	4°12	4° 3	13°53	27°13	27°48	12°24	13°26	24° 8	25°27	F 3
S 4	1 16 42	17°19'39	8♉26	26°52	18° 1	6°39	4°20	3°58	13°56	27°12	27°50	12°25	13°23	24°15	25°26	S 4
S 5	1 20 39	18°19'26	20°34	25°48	19°14	7°19	4°28	3°54	13°58	27°11	27°52	12°R25	13°20	24°22	25°24	S 5
M 6	1 24 35	19°19'15	2♒33	24°39	20°27	7°59	4°35	3°49	14° 1	27° 9	27°55	12°24	13°17	24°28	25°23	M 6
T 7	1 28 32	20°19'06	14°26	23°25	21°41	8°38	4°42	3°45	14° 3	27° 8	27°57	12°22	13°14	24°35	25°22	T 7
W 8	1 32 28	21°18'59	26°19	22° 9	22°54	9°18	4°49	3°40	14° 6	27° 7	27°59	12°20	13°10	24°42	25°20	W 8
T 9	1 36 25	22°18'53	8♓14	20°52	24° 8	9°58	4°56	3°36	14° 8	27° 5	28° 1	12°17	13° 7	24°49	25°19	T 9
F 10	1 40 21	23°18'50	20°15	19°39	25°21	10°38	5° 3	3°32	14°11	27° 4	28° 3	12°13	13° 4	24°55	25°18	F 10
S 11	1 44 18	24°18'47	2♈25	18°29	26°34	11°17	5° 9	3°27	14°13	27° 3	28° 5	12°10	13° 1	25° 2	25°17	S 11
S 12	1 48 15	25°18'47	14°46	17°27	27°48	11°57	5°16	3°23	14°16	27° 1	28° 8	12° 8	12°58	25° 9	25°16	S 12
M13	1 52 11	26°18'49	27°18	16°33	29° 1	12°37	5°22	3°19	14°19	27° 0	28°10	12° 7	12°55	25°15	25°15	M13
T 14	1 56 8	27°18'52	10♉ 3	15°49	0♐14	13°17	5°28	3°15	14°21	26°59	28°12	12°D 6	12°51	25°22	25°14	T 14
W15	2 0 4	28°18'58	23° 1	15°16	1°28	13°57	5°34	3°11	14°24	26°57	28°14	12° 6	12°48	25°29	25°13	W15
T 16	2 4 1	29°19'06	6♊12	14°55	2°41	14°37	5°40	3° 7	14°27	26°56	28°16	12° 7	12°45	25°36	25°12	T 16
F 17	2 7 57	0♏19'15	19°35	14°D45	3°54	15°17	5°46	3° 3	14°30	26°54	28°18	12° 8	12°42	25°42	25°11	F 17
S 18	2 11 54	1°19'27	3♋11	14°47	5° 7	15°57	5°51	2°59	14°33	26°53	28°20	12° 9	12°39	25°49	25°11	S 18
S 19	2 15 50	2°19'41	17° 0	15° 0	6°20	16°37	5°57	2°55	14°36	26°51	28°22	12°10	12°36	25°56	25°10	S 19
M20	2 19 47	3°19'57	0♌59	15°22	7°34	17°17	6° 2	2°51	14°38	26°50	28°24	12°R10	12°32	26° 3	25° 9	M20
T 21	2 23 44	4°20'15	15°10	15°55	8°47	17°57	6° 7	2°47	14°41	26°48	28°26	12°10	12°29	26° 9	25° 9	T 21
W22	2 27 40	5°20'35	29°28	16°36	10° 0	18°37	6°12	2°44	14°44	26°47	28°28	12°10	12°26	26°16	25° 8	W22
T 23	2 31 37	6°20'57	13♍52	17°24	11°13	19°18	6°16	2°40	14°47	26°45	28°30	12° 9	12°23	26°23	25° 8	T 23
F 24	2 35 33	7°21'21	28°18	18°19	12°26	19°58	6°21	2°37	14°50	26°43	28°32	12° 9	12°20	26°29	25° 8	F 24
S 25	2 39 30	8°21'47	12♎40	19°20	13°39	20°38	6°25	2°33	14°54	26°42	28°34	12° 8	12°16	26°36	25° 7	S 25
S 26	2 43 26	9°22'15	26°54	20°27	14°52	21°18	6°30	2°30	14°57	26°40	28°36	12° 8	12°13	26°43	25° 7	S 26
M27	2 47 23	10°22'44	10♏55	21°38	16° 5	21°59	6°34	2°27	15° 0	26°39	28°38	12°D 8	12°10	26°50	25° 7	M27
T 28	2 51 19	11°23'15	24°39	22°52	17°18	22°39	6°37	2°24	15° 3	26°37	28°39	12° 8	12° 7	26°56	25° 7	T 28
W29	2 55 16	12°23'48	8♐ 3	24°10	18°31	23°19	6°41	2°20	15° 6	26°35	28°41	12°R 8	12° 4	27° 3	25° 7	W29
T 30	2 59 13	13°24'22	21° 7	25°31	19°44	24° 0	6°44	2°17	15° 9	26°34	28°43	12° 8	12° 1	27°10	25°D 7	T 30
F 31	3 3 9	14♏24'58	3♉51	26♎54	20♐57	24♎40	6♌48	2♈15	15♐13	26♉32	28♍45	12♏ 7	11♏57	27♒16	25♒ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s41	18s42	1n37	14s 0	2s55	16s43	0s32	1s 7	0n49	19n48	0n28	0s51	2s45	22s38	0s 5	17n56	1s45	15n48	16n17	15s36	15s58	8s49	7s30	5n55
T 2	6 4	19 49	2 42	13 36	2 45	17 8	0 35	1 23	0 49	19 46	0 28	0 53	2 45	22 38	0 5	17 56	1 45	15 47	16 17	15 37	15 57	8 47	7 31	5 54
F 3	6 27	19 51	3 37	13 7	2 33	17 32	0 38	1 39	0 48	19 44	0 28	0 55	2 45	22 39	0 5	17 55	1 45	15 47	16 17	15 37	15 56	8 45	7 32	5 54
S 4	6 50	18 56	4 21	12 34	2 20	17 55	0 41	1 55	0 48	19 43	0 28	0 56	2 45	22 39	0 5	17 55	1 45	15 46	16 18	15 38	15 55	8 43	7 32	5 54
S 5	7 13	17 8	4 52	11 56	2 4	18 19	0 44	2 11	0 48	19 41	0 28	0 58	2 45	22 39	0 5	17 55	1 45	15 45	16 18	15 38	15 54	8 41	7 33	5 53
M 6	7 36	14 38	5 10	11 14	1 47	18 41	0 47	2 27	0 47	19 40	0 29	1 0	2 45	22 39	0 5	17 54	1 45	15 44	16 18	15 37	15 53	8 39	7 34	5 53
T 7	7 58	11 33	5 14	10 30	1 28	19 4	0 50	2 43	0 47	19 38	0 29	1 1	2 45	22 40	0 5	17 54	1 45	15 44	16 18	15 37	15 52	8 37	7 35	5 53
W 8	8 21	8 1	5 5	9 43	1 8	19 25	0 53	2 59	0 47	19 36	0 29	1 3	2 45	22 40	0 5	17 54	1 45	15 43	16 18	15 36	15 51	8 35	7 36	5 52
T 9	8 43	4 8	4 43	8 55	0 48	19 47	0 55	3 15	0 46	19 35	0 29	1 5	2 45	22 40	0 5	17 53	1 45	15 42	16 19	15 35	15 50	8 33	7 36	5 52
F 10	9 6	0 4	4 8	8 8	0 27	20 7	0 58	3 31	0 46	19 33	0 29	1 6	2 45	22 41	0 5	17 53	1 45	15 42	16 19	15 34	15 50	8 31	7 37	5 52
S 11	9 28	4n 3	3 22	7 23	0 7	20 28	1 1	3 47	0 45	19 32	0 30	1 8	2 44	22 41	0 5	17 53	1 45	15 41	16 19	15 33	15 49	8 29	7 38	5 51
S 12	9 50	8 4	2 25	6 40	0n13	20 47	1 4	4 3	0 45	19 31	0 30	1 10	2 44	22 41	0 5	17 52	1 45	15 41	16 19	15 32	15 48	8 27	7 38	5 51
M13	10 12	11 49	1 21	6 2	0 32	21 6	1 7	4 19	0 45	19 29	0 30	1 11	2 44	22 42	0 5	17 52	1 45	15 40	16 20	15 32	15 47	8 25	7 39	5 50
T 14	10 34	15 4	0 11	5 29	0 50	21 25	1 9	4 35	0 44	19 28	0 30	1 13	2 44	22 42	0 5	17 52	1 45	15 39	16 20	15 32	15 46	8 23	7 40	5 50
W15	10 55	17 38	1s 0	5 1	1 6	21 43	1 12	4 51	0 44	19 27	0 30	1 14	2 44	22 42	0 5	17 51	1 45	15 39	16 20	15 32	15 45	8 21	7 40	5 50
T 16	11 17	19 18	2 9	4 39	1 21	22 0	1 15	5 7	0 43	19 25	0 31	1 16	2 44	22 43	0 5	17 51	1 45	15 38	16 21	15 32	15 44	8 19	7 41	5 49
F 17	11 38	19 55	3 13	4 24	1 34	22 17	1 17	5 23	0 43	19 24	0 31	1 17	2 44	22 43	0 5	17 51	1 45	15 38	16 21	15 32	15 43	8 17	7 42	5 49
S 18	11 59	19 23	4 7	4 14	1 45	22 33	1 20	5 39	0 42	19 23	0 31	1 19	2 44	22 43	0 5	17 50	1 45	15 37	16 21	15 33	15 42	8 15	7 42	5 49
S 19	12 20	17 42	4 47	4 11	1 54	22 49	1 23	5 55	0 42	19 22	0 31	1 20	2 43	22 44	0 5	17 50	1 45	15 37	16 22	15 33	15 41	8 13	7 43	5 48
M20	12 41	14 58	5 11	4 13	2 1	23 4	1 25	6 10	0 42	19 21	0 31	1 21	2 43	22 44	0 5	17 49	1 45	15 36	16 22	15 33	15 40	8 11	7 43	5 48
T 21	13 1	11 19	5 17	4 20	2 7	23 18	1 28	6 26	0 41	19 20	0 31	1 23	2 43	22 44	0 5	17 49	1 45	15 36	16 22	15 33	15 39	8 9	7 44	5 47
W22	13 21	6 59	5 3	4 31	2 12	23 31	1 30	6 42	0 41	19 19	0 32	1 24	2 43	22 45	0 5	17 49	1 45	15 35	16 23	15 33	15 38	8 7	7 44	5 47
T 23	13 41	2 13	4 30	4 47	2 15	23 44	1 32	6 58	0 40	19 18	0 32	1 25	2 43	22 45	0 5	17 48	1 45	15 35	16 23	15 33	15 37	8 5	7 45	5 47
F 24	14 1	2s41	3 40	5 7	2 16	23 57	1 35	7 13	0 40	19 17	0 32	1 27	2 43	22 45	0 5	17 48	1 45	15 34	16 23	15 33	15 36	8 2	7 45	5 46
S 25	14 21	7 25	2 36	5 29	2 17	24 8	1 37	7 29	0 39	19 16	0 32	1 28	2 43	22 46	0 5	17 48	1 45	15 34	16 24	15 32	15 35	8 0	7 46	5 46
S 26	14 40	11 42	1 24	5 55	2 17	24 19	1 39	7 44	0 39	19 15	0 33	1 29	2 42	22 46	0 5	17 47	1 45	15 34	16 24	15 32	15 34	7 58	7 46	5 46
M27	15 0	15 16	0 7	6 22	2 15	24 29	1 42	8 0	0 39	19 14	0 33	1 30	2 42	22 46	0 5	17 47	1 45	15 33	16 24	15 32	15 33	7 56	7 47	5 45
T 28	15 19	17 54	1n 9	6 52	2 13	24 39	1 44	8 15	0 38	19 13	0 33	1 31	2 42	22 47	0 5	17 46	1 45	15 33	16 25	15 32	15 32	7 54	7 47	5 45
W29	15 37	19 27	2 19	7 24	2 10	24 48	1 46	8 31	0 38	19 13	0 33	1 32	2 42	22 47	0 5	17 46	1 45	15 32	16 25	15 32	15 31	7 52	7 48	5 44
T 30	15 56	19 55	3 20	7 56	2 7	24 56	1 48	8 46	0 37	19 12	0 33	1 33	2 42	22 47	0 5	17 46	1 45	15 32	16 26	15 32	15 30	7 50	7 48	5 44
F 31	16s14	19s20	4n 9	8s30	2n 3	25s 3	1s50	9s 1	0n37	19n11	0n34	1s34	2s41	22s48	0s 5	17n45	1s45	15n32	16n26	15s32	15s29	7s48	7s48	5n44

Julian Day Number = 2170953.5, Delta T = 12m19s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'38, Lahiri = 13°08'39 Julian Calendar 1 Oct. 1231 == Greg. Calendar 8 Oct. 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

NOVEMBER 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 6	15♏25'35	16♑17	28♎19	22♐10	25♎21	6♌51	2°R12	15♐16	26°R31	28♍47	12°R 7	11♏54	27♒23	25♒ 7	S 1
S 2	3 11 2	16°26'13	28°28	29°46	23°22	26° 1	6°54	2♈ 9	15°19	26♉29	28°48	12♏ 7	11°51	27°30	25° 7	S 2
M 3	3 14 59	17°26'52	10♒28	1♏14	24°35	26°42	6°56	2° 6	15°22	26°27	28°50	12° 7	11°48	27°37	25° 7	M 3
T 4	3 18 55	18°27'33	22°22	2°43	25°48	27°22	6°59	2° 4	15°26	26°25	28°52	12°D 6	11°45	27°43	25° 8	T 4
W 5	3 22 52	19°28'14	4♓15	4°13	27° 0	28° 3	7° 1	2° 1	15°29	26°24	28°53	12° 7	11°41	27°50	25° 8	W 5
T 6	3 26 48	20°28'57	16°10	5°44	28°13	28°43	7° 4	1°59	15°32	26°22	28°55	12° 7	11°38	27°57	25° 8	T 6
F 7	3 30 45	21°29'41	28°13	7°16	29°26	29°24	7° 6	1°57	15°36	26°20	28°57	12° 8	11°35	28° 3	25° 9	F 7
S 8	3 34 42	22°30'26	10♈27	8°48	0♑38	0♏ 5	7° 7	1°55	15°39	26°19	28°58	12° 9	11°32	28°10	25° 9	S 8
S 9	3 38 38	23°31'12	22°56	10°20	1°51	0°45	7° 9	1°53	15°43	26°17	29° 0	12°10	11°29	28°17	25°10	S 9
M10	3 42 35	24°32'00	5♉42	11°53	3° 3	1°26	7°10	1°51	15°46	26°15	29° 1	12°R11	11°26	28°24	25°11	M10
T 11	3 46 31	25°32'48	18°46	13°26	4°15	2° 7	7°12	1°49	15°49	26°14	29° 3	12°11	11°22	28°30	25°11	T 11
W12	3 50 28	26°33'38	2♊ 7	14°59	5°28	2°48	7°13	1°47	15°53	26°12	29° 4	12°10	11°19	28°37	25°12	W12
T 13	3 54 24	27°34'29	15°45	16°32	6°40	3°29	7°13	1°45	15°56	26°10	29° 6	12° 9	11°16	28°44	25°13	T 13
F 14	3 58 21	28°35'21	29°36	18° 5	7°52	4° 9	7°14	1°44	16° 0	26° 9	29° 7	12° 7	11°13	28°50	25°14	F 14
S 15	4 2 17	29°36'15	13♋38	19°39	9° 4	4°50	7°14	1°43	16° 3	26° 7	29° 8	12° 4	11°10	28°57	25°15	S 15
S 16	4 6 14	0♐37'10	27°47	21°12	10°16	5°31	7°15	1°41	16° 7	26° 5	29°10	12° 2	11° 7	29° 4	25°16	S 16
M17	4 10 11	1°38'06	11♌59	22°46	11°29	6°12	7°R15	1°40	16°11	26° 3	29°11	12° 0	11° 3	29°11	25°17	M17
T 18	4 14 7	2°39'03	26°12	24°19	12°41	6°53	7°15	1°39	16°14	26° 2	29°12	11°D59	11° 0	29°17	25°18	T 18
W19	4 18 4	3°40'02	10♍22	25°53	13°52	7°34	7°14	1°38	16°18	26° 0	29°14	11°59	10°57	29°24	25°19	W19
T 20	4 22 0	4°41'02	24°29	27°27	15° 4	8°15	7°14	1°37	16°21	25°58	29°15	12° 0	10°54	29°31	25°21	T 20
F 21	4 25 57	5°42'03	8♎29	29° 1	16°16	8°57	7°13	1°36	16°25	25°57	29°16	12° 1	10°51	29°38	25°22	F 21
S 22	4 29 53	6°43'05	22°23	0♐34	17°28	9°38	7°12	1°35	16°28	25°55	29°17	12° 3	10°47	29°44	25°23	S 22
S 23	4 33 50	7°44'09	6♏ 7	2° 8	18°39	10°19	7°11	1°35	16°32	25°53	29°18	12°R 4	10°44	29°51	25°25	S 23
M24	4 37 46	8°45'13	19°41	3°42	19°51	11° 0	7° 9	1°34	16°36	25°52	29°20	12° 4	10°41	29°58	25°26	M24
T 25	4 41 43	9°46'19	3♐ 3	5°16	21° 3	11°41	7° 8	1°34	16°39	25°50	29°21	12° 2	10°38	0♓ 4	25°28	T 25
W26	4 45 40	10°47'25	16°11	6°50	22°14	12°23	7° 6	1°34	16°43	25°48	29°22	11°59	10°35	0°11	25°29	W26
T 27	4 49 36	11°48'32	29° 4	8°24	23°25	13° 4	7° 4	1°34	16°46	25°47	29°23	11°55	10°32	0°18	25°31	T 27
F 28	4 53 33	12°49'39	11♑42	9°58	24°37	13°45	7° 2	1°D34	16°50	25°45	29°24	11°49	10°28	0°25	25°33	F 28
S 29	4 57 29	13°50'47	24° 6	11°33	25°48	14°27	7° 0	1°34	16°54	25°44	29°25	11°43	10°25	0°31	25°34	S 29
S 30	5 1 26	14♐51'55	6♒16	13♐ 7	26♑59	15♏ 8	6♌57	1♈34	16♐57	25♉42	29♍26	11♏38	10♏22	0♓38	25♒36	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s32	17s49	4n46	9s 5	1n58	25s10	1s52	9s17	0n36	19n11	0n34	1s35	2s41	22s48	0s 5	17n45	1s45	15n31	16n26	15s32	15s28	7s46	7s49	5n43
S 2	16 49	15 31	5 8	9 40	1 53	25 16	1 54	9 32	0 36	19 10	0 34	1 36	2 41	22 49	0 5	17 44	1 45	15 31	16 27	15 32	15 27	7 44	7 49	5 43
M 3	17 6	12 36	5 17	10 16	1 48	25 21	1 55	9 47	0 35	19 10	0 34	1 37	2 41	22 49	0 5	17 44	1 45	15 31	16 27	15 32	15 26	7 42	7 49	5 42
T 4	17 23	9 11	5 12	10 52	1 42	25 25	1 57	10 2	0 35	19 9	0 34	1 38	2 41	22 49	0 5	17 44	1 45	15 31	16 28	15 32	15 25	7 40	7 49	5 42
W 5	17 40	5 26	4 54	11 28	1 36	25 29	1 59	10 17	0 34	19 9	0 35	1 39	2 40	22 50	0 5	17 43	1 45	15 30	16 28	15 32	15 24	7 38	7 50	5 42
T 6	17 57	1 26	4 23	12 4	1 30	25 32	2 0	10 32	0 34	19 9	0 35	1 39	2 40	22 50	0 5	17 43	1 45	15 30	16 29	15 32	15 23	7 36	7 50	5 41
F 7	18 13	2n39	3 40	12 41	1 23	25 34	2 2	10 47	0 33	19 8	0 35	1 40	2 40	22 50	0 5	17 42	1 45	15 30	16 29	15 32	15 22	7 34	7 50	5 41
S 8	18 28	6 43	2 47	13 16	1 17	25 35	2 3	11 2	0 33	19 8	0 35	1 41	2 40	22 51	0 5	17 42	1 45	15 30	16 29	15 33	15 21	7 32	7 50	5 41
S 9	18 44	10 34	1 45	13 52	1 10	25 36	2 5	11 17	0 32	19 8	0 36	1 41	2 40	22 51	0 5	17 42	1 45	15 29	16 30	15 33	15 20	7 30	7 50	5 40
M10	18 59	14 2	0 36	14 27	1 3	25 36	2 6	11 31	0 32	19 8	0 36	1 42	2 39	22 52	0 5	17 41	1 45	15 29	16 30	15 33	15 19	7 28	7 51	5 40
T 11	19 14	16 54	0s36	15 2	0 57	25 35	2 7	11 46	0 31	19 8	0 36	1 42	2 39	22 52	0 5	17 41	1 45	15 29	16 31	15 33	15 18	7 26	7 51	5 39
W12	19 28	18 54	1 48	15 36	0 50	25 33	2 8	12 0	0 31	19 8	0 36	1 43	2 39	22 52	0 5	17 41	1 45	15 29	16 31	15 33	15 17	7 24	7 51	5 39
T 13	19 42	19 52	2 55	16 10	0 43	25 31	2 9	12 15	0 30	19 8	0 36	1 43	2 39	22 53	0 5	17 40	1 45	15 29	16 32	15 33	15 16	7 21	7 51	5 39
F 14	19 56	19 39	3 53	16 43	0 36	25 28	2 10	12 29	0 30	19 8	0 37	1 44	2 38	22 53	0 5	17 40	1 45	15 29	16 32	15 32	15 15	7 19	7 51	5 38
S 15	20 9	18 14	4 37	17 15	0 29	25 24	2 11	12 44	0 29	19 8	0 37	1 44	2 38	22 53	0 5	17 39	1 45	15 29	16 33	15 31	15 14	7 17	7 51	5 38
S 16	20 22	15 42	5 6	17 47	0 22	25 19	2 12	12 58	0 29	19 8	0 37	1 44	2 38	22 54	0 5	17 39	1 45	15 29	16 33	15 30	15 13	7 15	7 51	5 37
M17	20 34	12 13	5 15	18 18	0 15	25 14	2 12	13 12	0 28	19 8	0 37	1 45	2 38	22 54	0 5	17 39	1 45	15 28	16 34	15 30	15 12	7 13	7 51	5 37
T 18	20 47	8 3	5 6	18 48	0 8	25 8	2 13	13 26	0 28	19 8	0 38	1 45	2 37	22 55	0 5	17 38	1 45	15 28	16 34	15 30	15 11	7 11	7 51	5 37
W19	20 58	3 26	4 37	19 17	0 1	25 1	2 13	13 40	0 27	19 9	0 38	1 45	2 37	22 55	0 5	17 38	1 45	15 28	16 35	15 30	15 10	7 9	7 51	5 36
T 20	21 10	1s21	3 53	19 46	0s 6	24 54	2 14	13 54	0 27	19 9	0 38	1 45	2 37	22 55	0 5	17 37	1 45	15 28	16 35	15 30	15 9	7 7	7 51	5 36
F 21	21 21	6 3	2 54	20 13	0 13	24 45	2 14	14 7	0 26	19 10	0 38	1 45	2 37	22 56	0 5	17 37	1 45	15 28	16 36	15 30	15 8	7 5	7 51	5 36
S 22	21 31	10 23	1 46	20 40	0 19	24 37	2 14	14 21	0 26	19 10	0 38	1 45	2 36	22 56	0 5	17 37	1 45	15 28	16 36	15 31	15 7	7 3	7 51	5 35
S 23	21 41	14 8	0 33	21 6	0 26	24 27	2 14	14 35	0 25	19 11	0 39	1 45	2 36	22 56	0 5	17 36	1 45	15 28	16 37	15 31	15 6	7 1	7 51	5 35
M24	21 51	17 4	0n42	21 30	0 32	24 17	2 14	14 48	0 25	19 11	0 39	1 45	2 36	22 57	0 5	17 36	1 45	15 28	16 37	15 31	15 5	6 59	7 50	5 34
T 25	22 0	19 1	1 53	21 54	0 39	24 5	2 14	15 1	0 24	19 12	0 39	1 45	2 36	22 57	0 5	17 36	1 45	15 28	16 38	15 31	15 4	6 57	7 50	5 34
W26	22 9	19 54	2 56	22 16	0 45	23 54	2 14	15 14	0 24	19 12	0 39	1 45	2 35	22 57	0 5	17 35	1 45	15 29	16 39	15 30	15 3	6 55	7 50	5 34
T 27	22 18	19 43	3 49	22 38	0 51	23 41	2 14	15 28	0 23	19 13	0 40	1 45	2 35	22 58	0 5	17 35	1 45	15 29	16 39	15 28	15 2	6 53	7 50	5 33
F 28	22 26	18 32	4 30	22 58	0 57	23 28	2 13	15 41	0 22	19 14	0 40	1 45	2 35	22 58	0 5	17 34	1 45	15 29	16 40	15 27	15 1	6 51	7 50	5 33
S 29	22 33	16 30	4 57	23 17	1 3	23 15	2 13	15 53	0 22	19 15	0 40	1 44	2 35	22 59	0 5	17 34	1 45	15 29	16 40	15 25	15 0	6 49	7 49	5 33
S 30	22s40	13s46	5n10	23s36	1s 8	23s 0	2s12	16s 6	0n21	19n16	0n40	1s44	2s34	22s59	0s 5	17n34	1s45	15n29	16n41	15s23	14s59	6s47	7s49	5n32

Julian Day Number = 2170984.5, Delta T = 12m19s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'42, Lahiri = 13°08'43 Julian Calendar 1 Nov. 1231 == Greg. Calendar 8 Nov. 1231

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ASTRODIENST EPHEMERIS for the year 1231
geocentric

DECEMBER 1231 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 5 22	15♐53'04	18♒17	14♐42	28♉10	15♏50	6°R54	1♈34	17♐ 1	25°R40	29♍26	11°R33	10♏19	0♓45	25♒38	M 1
T 2	5 9 19	16°54'13	0♓10	16°16	29°21	16°31	6♌52	1°35	17° 5	25♉39	29°27	11♏30	10°16	0°51	25°40	T 2
W 3	5 13 15	17°55'22	12° 1	17°51	0♒32	17°13	6°48	1°35	17° 8	25°37	29°28	11°28	10°13	0°58	25°42	W 3
T 4	5 17 12	18°56'32	23°55	19°27	1°42	17°54	6°45	1°36	17°12	25°36	29°29	11°D28	10° 9	1° 5	25°44	T 4
F 5	5 21 9	19°57'41	5♈55	21° 2	2°53	18°36	6°42	1°37	17°15	25°34	29°30	11°29	10° 6	1°12	25°46	F 5
S 6	5 25 5	20°58'51	18° 9	22°37	4° 4	19°17	6°38	1°38	17°19	25°33	29°30	11°31	10° 3	1°18	25°48	S 6
S 7	5 29 2	22° 0'00	0♉39	24°13	5°14	19°59	6°34	1°39	17°23	25°31	29°31	11°33	10° 0	1°25	25°51	S 7
M 8	5 32 58	23° 1'10	13°31	25°49	6°24	20°40	6°30	1°40	17°26	25°30	29°32	11°R33	9°57	1°32	25°53	M 8
T 9	5 36 55	24° 2'20	26°46	27°26	7°34	21°22	6°26	1°41	17°30	25°28	29°32	11°32	9°53	1°38	25°55	T 9
W10	5 40 51	25° 3'30	10♊24	29° 2	8°44	22° 4	6°22	1°42	17°34	25°27	29°33	11°29	9°50	1°45	25°57	W10
T 11	5 44 48	26° 4'40	24°26	0♋39	9°54	22°46	6°17	1°44	17°37	25°25	29°33	11°23	9°47	1°52	26° 0	T 11
F 12	5 48 44	27° 5'50	8♋46	2°16	11° 4	23°27	6°12	1°45	17°41	25°24	29°34	11°16	9°44	1°59	26° 2	F 12
S 13	5 52 41	28° 7'01	23°18	3°54	12°13	24° 9	6° 8	1°47	17°44	25°23	29°34	11° 9	9°41	2° 5	26° 5	S 13
S 14	5 56 38	29° 8'12	7♌57	5°31	13°23	24°51	6° 3	1°48	17°48	25°21	29°35	11° 1	9°38	2°12	26° 7	S 14
M15	6 0 34	0♌ 9'22	22°33	7° 9	14°32	25°33	5°57	1°50	17°52	25°20	29°35	10°54	9°34	2°19	26°10	M15
T 16	6 4 31	1°10'33	7♍ 2	8°47	15°41	26°15	5°52	1°52	17°55	25°19	29°36	10°50	9°31	2°25	26°12	T 16
W17	6 8 27	2°11'44	21°19	10°26	16°50	26°57	5°47	1°54	17°59	25°17	29°36	10°47	9°28	2°32	26°15	W17
T 18	6 12 24	3°12'56	5♎22	12° 4	17°59	27°39	5°41	1°57	18° 2	25°16	29°36	10°D47	9°25	2°39	26°18	T 18
F 19	6 16 20	4°14'08	19°10	13°43	19° 8	28°21	5°35	1°59	18° 6	25°15	29°37	10°47	9°22	2°46	26°20	F 19
S 20	6 20 17	5°15'19	2♏45	15°22	20°16	29° 3	5°29	2° 1	18° 9	25°14	29°37	10°48	9°19	2°52	26°23	S 20
S 21	6 24 14	6°16'31	16° 6	17° 1	21°25	29°45	5°23	2° 4	18°13	25°12	29°37	10°R49	9°15	2°59	26°26	S 21
M22	6 28 10	7°17'43	29°15	18°40	22°33	0♐27	5°17	2° 6	18°16	25°11	29°37	10°47	9°12	3° 6	26°29	M22
T 23	6 32 7	8°18'55	12♐12	20°19	23°41	1° 9	5°10	2° 9	18°20	25°10	29°37	10°42	9° 9	3°12	26°32	T 23
W24	6 36 3	9°20'07	24°59	21°57	24°48	1°52	5° 4	2°12	18°23	25° 9	29°37	10°35	9° 6	3°19	26°35	W24
T 25	6 40 0	10°21'18	7♑36	23°35	25°56	2°34	4°57	2°15	18°27	25° 8	29°37	10°26	9° 3	3°26	26°38	T 25
F 26	6 43 56	11°22'29	20° 2	25°13	27° 3	3°16	4°51	2°18	18°30	25° 7	29°R37	10°14	8°59	3°33	26°41	F 26
S 27	6 47 53	12°23'39	2♒17	26°50	28°11	3°58	4°44	2°21	18°34	25° 6	29°37	10° 2	8°56	3°39	26°44	S 27
S 28	6 51 49	13°24'49	14°23	28°26	29°17	4°41	4°37	2°24	18°37	25° 5	29°37	9°50	8°53	3°46	26°47	S 28
M29	6 55 46	14°25'58	26°20	0♒ 1	0♓24	5°23	4°30	2°27	18°40	25° 4	29°37	9°39	8°50	3°53	26°50	M29
T 30	6 59 43	15°27'07	8♓12	1°34	1°31	6° 5	4°23	2°31	18°44	25° 3	29°37	9°30	8°47	3°59	26°53	T 30
W31	7 3 39	16♑28'14	20♓ 1	3♒ 5	2♓37	6♐48	4♌15	2♈34	18♐47	25♉ 2	29♍37	9♏24	8♏44	4♓ 6	26♒57	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s47	10s30	5n 9	23s52	1s14	22s45	2s11	16s19	0n21	19n16	0n40	1s44	2s34	22s59	0s 5	17n33	1s45	15n29	16n41	15s22	14s58	6s44	7s49	5n32
T 2	22 53	6 51	4 55	24 8	1 19	22 30	2 10	16 31	0 20	19 17	0 41	1 43	2 34	23 0	0 5	17 33	1 45	15 29	16 42	15 21	14 57	6 42	7 49	5 32
W 3	22 59	2 57	4 29	24 22	1 24	22 13	2 9	16 44	0 20	19 18	0 41	1 43	2 34	23 0	0 5	17 33	1 45	15 30	16 42	15 20	14 56	6 40	7 48	5 31
T 4	23 4	1n 6	3 50	24 35	1 29	21 57	2 8	16 56	0 19	19 19	0 41	1 42	2 33	23 0	0 5	17 32	1 45	15 30	16 43	15 20	14 55	6 38	7 48	5 31
F 5	23 9	5 8	3 2	24 47	1 33	21 39	2 7	17 8	0 18	19 21	0 41	1 42	2 33	23 1	0 5	17 32	1 45	15 30	16 44	15 20	14 54	6 36	7 48	5 31
S 6	23 14	9 3	2 4	24 57	1 38	21 21	2 6	17 20	0 18	19 22	0 42	1 41	2 33	23 1	0 5	17 32	1 45	15 30	16 44	15 21	14 53	6 34	7 47	5 30
S 7	23 18	12 40	0 59	25 6	1 42	21 3	2 4	17 32	0 17	19 23	0 42	1 40	2 32	23 1	0 5	17 31	1 45	15 30	16 45	15 21	14 52	6 32	7 47	5 30
M 8	23 21	15 47	0s11	25 14	1 46	20 44	2 3	17 44	0 17	19 24	0 42	1 40	2 32	23 2	0 5	17 31	1 45	15 31	16 45	15 22	14 51	6 30	7 46	5 30
T 9	23 24	18 11	1 22	25 20	1 49	20 24	2 1	17 55	0 16	19 25	0 42	1 39	2 32	23 2	0 5	17 31	1 45	15 31	16 46	15 21	14 50	6 28	7 46	5 29
W10	23 27	19 38	2 30	25 25	1 53	20 4	1 59	18 7	0 15	19 27	0 42	1 38	2 32	23 3	0 5	17 30	1 45	15 31	16 46	15 20	14 49	6 26	7 45	5 29
T 11	23 29	19 55	3 31	25 28	1 56	19 44	1 58	18 18	0 15	19 28	0 43	1 37	2 31	23 3	0 5	17 30	1 45	15 32	16 47	15 19	14 48	6 24	7 45	5 29
F 12	23 30	18 56	4 20	25 30	1 59	19 22	1 56	18 29	0 14	19 29	0 43	1 37	2 31	23 3	0 5	17 30	1 45	15 32	16 48	15 16	14 47	6 22	7 44	5 28
S 13	23 31	16 42	4 53	25 30	2 1	19 1	1 53	18 40	0 13	19 31	0 43	1 36	2 31	23 4	0 5	17 30	1 45	15 32	16 48	15 14	14 46	6 20	7 44	5 28
S 14	23 32	13 25	5 7	25 28	2 3	18 39	1 51	18 51	0 13	19 32	0 43	1 35	2 31	23 4	0 5	17 29	1 45	15 33	16 49	15 12	14 45	6 18	7 43	5 28
M15	23 32	9 18	5 1	25 25	2 5	18 16	1 49	19 2	0 12	19 34	0 44	1 34	2 30	23 4	0 5	17 29	1 44	15 33	16 49	15 10	14 44	6 16	7 43	5 27
T 16	23 32	4 41	4 36	25 21	2 6	17 53	1 46	19 12	0 12	19 35	0 44	1 33	2 30	23 5	0 5	17 29	1 44	15 33	16 50	15 8	14 43	6 14	7 42	5 27
W17	23 31	0s 8	3 54	25 14	2 7	17 30	1 44	19 23	0 11	19 37	0 44	1 32	2 30	23 5	0 5	17 28	1 44	15 34	16 51	15 7	14 42	6 11	7 42	5 27
T 18	23 30	4 52	2 59	25 6	2 8	17 6	1 41	19 33	0 10	19 38	0 44	1 31	2 30	23 5	0 5	17 28	1 44	15 34	16 51	15 7	14 41	6 9	7 41	5 26
F 19	23 28	9 17	1 54	24 57	2 8	16 42	1 38	19 43	0 10	19 40	0 44	1 29	2 29	23 6	0 6	17 28	1 44	15 35	16 52	15 7	14 40	6 7	7 40	5 26
S 20	23 26	13 9	0 43	24 45	2 7	16 18	1 35	19 53	0 9	19 42	0 45	1 28	2 29	23 6	0 6	17 28	1 44	15 35	16 52	15 8	14 39	6 5	7 40	5 26
S 21	23 23	16 16	0n28	24 32	2 6	15 53	1 32	20 3	0 8	19 43	0 45	1 27	2 29	23 6	0 6	17 27	1 44	15 36	16 53	15 8	14 38	6 3	7 39	5 26
M22	23 20	18 29	1 37	24 18	2 5	15 27	1 29	20 12	0 8	19 45	0 45	1 26	2 29	23 7	0 6	17 27	1 44	15 36	16 54	15 7	14 37	6 1	7 38	5 25
T 23	23 16	19 43	2 40	24 1	2 3	15 2	1 26	20 22	0 7	19 47	0 45	1 25	2 28	23 7	0 6	17 27	1 44	15 37	16 54	15 6	14 36	5 59	7 38	5 25
W24	23 12	19 53	3 33	23 43	2 0	14 36	1 22	20 31	0 6	19 49	0 45	1 23	2 28	23 7	0 6	17 27	1 44	15 37	16 55	15 4	14 35	5 57	7 37	5 25
T 25	23 8	19 4	4 15	23 24	1 57	14 10	1 19	20 40	0 6	19 50	0 46	1 22	2 28	23 7	0 6	17 27	1 44	15 38	16 55	15 1	14 34	5 55	7 36	5 24
F 26	23 3	17 21	4 45	23 2	1 53	13 43	1 15	20 49	0 5	19 52	0 46	1 20	2 28	23 8	0 6	17 26	1 44	15 38	16 56	14 57	14 33	5 53	7 35	5 24
S 27	22 57	14 51	5 0	22 39	1 49	13 16	1 11	20 58	0 4	19 54	0 46	1 19	2 27	23 8	0 6	17 26	1 44	15 39	16 56	14 53	14 32	5 51	7 35	5 24
S 28	22 51	11 46	5 2	22 15	1 44	12 49	1 7	21 6	0 3	19 56	0 46	1 17	2 27	23 8	0 6	17 26	1 44	15 39	16 57	14 49	14 31	5 49	7 34	5 24
M29	22 45	8 14	4 50	21 49	1 38	12 22	1 3	21 14	0 3	19 58	0 46	1 16	2 27	23 9	0 6	17 26	1 44	15 40	16 58	14 46	14 30	5 47	7 33	5 23
T 30	22 38	4 25	4 26	21 22	1 31	11 54	0 59	21 23	0 2	20 0	0 46	1 14	2 27	23 9	0 6	17 26	1 44	15 40	16 58	14 43	14 29	5 45	7 32	5 23
W31	22s31	0s26	3n51	20s54	1s23	11s26	0s55	21s31	0n 1	20n 2	0n47	1s13	2s26	23s 9	0s 6	17n25	1s44	15n41	16n59	14s41	14s28	5s43	7s31	5n23

Julian Day Number = 2171014.5, Delta T = 12m19s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'47, Lahiri = 13°08'47 Julian Calendar 1 Dec. 1231 == Greg. Calendar 8 Dec. 1231

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

JANUARY 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 7 36	17♉29'21	1♈52	4♒34	3♓43	7♐30	4°R 8	2♈38	18♐50	25°R 1	29°R37	9°R20	8♏40	4♓13	27♒ 0	T 1
F 2	7 11 32	18°30'27	13°50	6° 0	4°49	8°13	4♌ 1	2°41	18°54	25♉ 0	29♍37	9°D19	8°37	4°19	27° 3	F 2
S 3	7 15 29	19°31'31	25°59	7°23	5°54	8°55	3°53	2°45	18°57	24°59	29°36	9♏19	8°34	4°26	27° 6	S 3
S 4	7 19 25	20°32'35	8♉25	8°42	6°59	9°38	3°45	2°49	19° 0	24°58	29°36	9°R19	8°31	4°33	27°10	S 4
M 5	7 23 22	21°33'38	21°14	9°56	8° 4	10°20	3°38	2°53	19° 3	24°58	29°36	9°19	8°28	4°40	27°13	M 5
T 6	7 27 18	22°34'40	4♊28	11° 5	9° 9	11° 3	3°30	2°57	19° 6	24°57	29°35	9°16	8°25	4°46	27°17	T 6
W 7	7 31 15	23°35'41	18°12	12° 7	10°13	11°46	3°22	3° 1	19°10	24°56	29°35	9°11	8°21	4°53	27°20	W 7
T 8	7 35 12	24°36'40	2♋24	13° 3	11°17	12°28	3°15	3° 5	19°13	24°55	29°34	9° 3	8°18	5° 0	27°23	T 8
F 9	7 39 8	25°37'39	17° 1	13°51	12°21	13°11	3° 7	3°10	19°16	24°55	29°34	8°53	8°15	5° 6	27°27	F 9
S 10	7 43 5	26°38'37	1♌57	14°30	13°24	13°54	2°59	3°14	19°19	24°54	29°34	8°42	8°12	5°13	27°30	S 10
S 11	7 47 1	27°39'33	17° 1	15° 0	14°27	14°36	2°51	3°19	19°22	24°54	29°33	8°30	8° 9	5°20	27°34	S 11
M12	7 50 58	28°40'29	2♍ 5	15°20	15°29	15°19	2°43	3°23	19°25	24°53	29°32	8°20	8° 5	5°27	27°38	M12
T 13	7 54 54	29°41'24	16°58	15°R29	16°32	16° 2	2°35	3°28	19°28	24°52	29°32	8°12	8° 2	5°33	27°41	T 13
W14	7 58 51	0♒42'18	1♎33	15°26	17°33	16°45	2°27	3°32	19°31	24°52	29°31	8° 7	7°59	5°40	27°45	W14
T 15	8 2 47	1°43'11	15°47	15°13	18°35	17°28	2°19	3°37	19°34	24°52	29°31	8° 5	7°56	5°47	27°48	T 15
F 16	8 6 44	2°44'03	29°38	14°49	19°36	18°11	2°11	3°42	19°37	24°51	29°30	8° 4	7°53	5°53	27°52	F 16
S 17	8 10 41	3°44'54	13♏ 7	14°14	20°36	18°53	2° 3	3°47	19°40	24°51	29°29	8° 4	7°50	6° 0	27°56	S 17
S 18	8 14 37	4°45'45	26°17	13°29	21°37	19°36	1°55	3°52	19°43	24°50	29°28	8° 3	7°46	6° 7	27°59	S 18
M19	8 18 34	5°46'34	9♐11	12°35	22°36	20°19	1°47	3°57	19°45	24°50	29°28	8° 0	7°43	6°14	28° 3	M19
T 20	8 22 30	6°47'23	21°51	11°35	23°36	21° 2	1°39	4° 3	19°48	24°50	29°27	7°55	7°40	6°20	28° 7	T 20
W21	8 26 27	7°48'11	4♑21	10°29	24°34	21°46	1°31	4° 8	19°51	24°49	29°26	7°46	7°37	6°27	28°11	W21
T 22	8 30 23	8°48'57	16°41	9°19	25°33	22°29	1°23	4°13	19°54	24°49	29°25	7°34	7°34	6°34	28°15	T 22
F 23	8 34 20	9°49'42	28°53	8° 8	26°30	23°12	1°15	4°19	19°56	24°49	29°24	7°21	7°31	6°40	28°18	F 23
S 24	8 38 16	10°50'25	10♒57	6°58	27°28	23°55	1° 8	4°24	19°59	24°49	29°23	7° 6	7°27	6°47	28°22	S 24
S 25	8 42 13	11°51'08	22°56	5°49	28°24	24°38	1° 0	4°30	20° 1	24°49	29°22	6°51	7°24	6°54	28°26	S 25
M26	8 46 10	12°51'48	4♓50	4°44	29°20	25°21	0°52	4°35	20° 4	24°49	29°21	6°37	7°21	7° 0	28°30	M26
T 27	8 50 6	13°52'27	16°40	3°45	0♈16	26° 4	0°45	4°41	20° 7	24°49	29°20	6°26	7°18	7° 7	28°34	T 27
W28	8 54 3	14°53'05	28°29	2°52	1°11	26°48	0°37	4°47	20° 9	24°D49	29°19	6°18	7°15	7°14	28°38	W28
T 29	8 57 59	15°53'40	10♈19	2° 5	2° 5	27°31	0°29	4°53	20°11	24°49	29°18	6°12	7°11	7°21	28°41	T 29
F 30	9 1 56	16°54'14	22°16	1°26	2°59	28°14	0°22	4°59	20°14	24°49	29°17	6°10	7° 8	7°27	28°45	F 30
S 31	9 5 52	17♒54'46	4♉22	0♒55	3♈52	28♐58	0♌15	5♈ 5	20♐16	24♉49	29♍16	6°D 9	7♏ 5	7♓34	28♒49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s23	3n35	3n 5	20s24	1s15	10s58	0s50	21s38	0n 1	20n 4	0n47	1s11	2s26	23s10	0s 6	17n25	1s44	15n41	16n59	14s40	14s27	5s41	7s30	5n23
F 2	22 15	7 29	2 11	19 54	1 5	10 30	0 46	21 46	0s 0	20 6	0 47	1 9	2 26	23 10	0 6	17 25	1 44	15 42	17 0	14 39	14 26	5 39	7 30	5 22
S 3	22 7	11 10	1 10	19 23	0 55	10 1	0 41	21 53	0 1	20 7	0 47	1 8	2 26	23 10	0 6	17 25	1 44	15 43	17 0	14 39	14 25	5 36	7 29	5 22
S 4	21 58	14 27	0 5	18 52	0 44	9 33	0 36	22 1	0 1	20 9	0 47	1 6	2 25	23 10	0 6	17 25	1 44	15 43	17 1	14 39	14 24	5 34	7 28	5 22
M 5	21 48	17 8	1s 3	18 20	0 32	9 4	0 31	22 8	0 2	20 11	0 47	1 4	2 25	23 11	0 6	17 25	1 43	15 44	17 2	14 39	14 23	5 32	7 27	5 22
T 6	21 38	19 0	2 9	17 49	0 18	8 35	0 26	22 14	0 3	20 13	0 48	1 2	2 25	23 11	0 6	17 25	1 43	15 45	17 2	14 38	14 22	5 30	7 26	5 21
W 7	21 28	19 51	3 10	17 18	0 4	8 6	0 21	22 21	0 4	20 15	0 48	1 0	2 25	23 11	0 6	17 24	1 43	15 45	17 3	14 37	14 21	5 28	7 25	5 21
T 8	21 17	19 29	4 2	16 48	0n10	7 37	0 16	22 27	0 4	20 17	0 48	0 59	2 24	23 12	0 6	17 24	1 43	15 46	17 3	14 34	14 20	5 26	7 24	5 21
F 9	21 6	17 50	4 39	16 19	0 26	7 7	0 11	22 34	0 5	20 19	0 48	0 57	2 24	23 12	0 6	17 24	1 43	15 47	17 4	14 31	14 19	5 24	7 23	5 21
S 10	20 55	14 57	4 59	15 52	0 43	6 38	0 5	22 40	0 6	20 21	0 48	0 55	2 24	23 12	0 6	17 24	1 43	15 47	17 4	14 27	14 18	5 22	7 22	5 21
S 11	20 43	11 4	4 57	15 27	1 0	6 9	0n 0	22 45	0 7	20 23	0 48	0 53	2 24	23 12	0 6	17 24	1 43	15 48	17 5	14 24	14 17	5 20	7 21	5 20
M12	20 31	6 29	4 36	15 5	1 17	5 39	0 6	22 51	0 7	20 25	0 48	0 51	2 24	23 13	0 6	17 24	1 43	15 49	17 5	14 20	14 16	5 18	7 20	5 20
T 13	20 18	1 34	3 55	14 45	1 35	5 9	0 12	22 56	0 8	20 27	0 49	0 49	2 23	23 13	0 6	17 24	1 43	15 49	17 6	14 18	14 15	5 16	7 19	5 20
W14	20 5	3s22	3 0	14 29	1 52	4 40	0 18	23 1	0 9	20 29	0 49	0 46	2 23	23 13	0 6	17 24	1 43	15 50	17 6	14 16	14 14	5 14	7 18	5 20
T 15	19 51	8 0	1 55	14 16	2 10	4 10	0 24	23 6	0 10	20 31	0 49	0 44	2 23	23 13	0 6	17 24	1 43	15 51	17 7	14 15	14 13	5 12	7 17	5 20
F 16	19 38	12 5	0 44	14 7	2 26	3 41	0 30	23 11	0 11	20 33	0 49	0 42	2 23	23 14	0 6	17 24	1 43	15 52	17 7	14 15	14 12	5 10	7 16	5 19
S 17	19 24	15 25	0n27	14 2	2 42	3 11	0 36	23 15	0 11	20 35	0 49	0 40	2 23	23 14	0 6	17 24	1 43	15 52	17 8	14 15	14 11	5 8	7 15	5 19
S 18	19 9	17 52	1 35	14 1	2 57	2 41	0 43	23 20	0 12	20 37	0 49	0 38	2 22	23 14	0 6	17 24	1 43	15 53	17 9	14 15	14 10	5 6	7 13	5 19
M19	18 54	19 20	2 36	14 3	3 10	2 12	0 49	23 24	0 13	20 39	0 49	0 36	2 22	23 14	0 6	17 24	1 43	15 54	17 9	14 14	14 8	5 3	7 12	5 19
T 20	18 39	19 48	3 29	14 9	3 21	1 42	0 56	23 28	0 14	20 41	0 49	0 33	2 22	23 14	0 6	17 24	1 43	15 55	17 10	14 12	14 7	5 1	7 11	5 19
W21	18 24	19 17	4 11	14 18	3 30	1 13	1 2	23 31	0 14	20 42	0 50	0 31	2 22	23 15	0 6	17 24	1 43	15 55	17 10	14 9	14 6	4 59	7 10	5 19
T 22	18 8	17 51	4 40	14 30	3 37	0 43	1 9	23 35	0 15	20 44	0 50	0 29	2 22	23 15	0 6	17 24	1 42	15 56	17 10	14 6	14 5	4 57	7 9	5 19
F 23	17 52	15 38	4 56	14 44	3 42	0 14	1 16	23 38	0 16	20 46	0 50	0 26	2 21	23 15	0 6	17 24	1 42	15 57	17 11	14 1	14 4	4 55	7 8	5 18
S 24	17 35	12 46	4 59	15 0	3 44	0n15	1 23	23 41	0 17	20 48	0 50	0 24	2 21	23 15	0 6	17 24	1 42	15 58	17 11	13 56	14 3	4 53	7 7	5 18
S 25	17 18	9 23	4 48	15 17	3 43	0 44	1 30	23 43	0 18	20 50	0 50	0 22	2 21	23 16	0 6	17 24	1 42	15 59	17 12	13 51	14 2	4 51	7 5	5 18
M26	17 1	5 40	4 25	15 35	3 41	1 13	1 37	23 46	0 19	20 52	0 50	0 19	2 21	23 16	0 6	17 24	1 42	15 59	17 12	13 47	14 1	4 49	7 4	5 18
T 27	16 44	1 45	3 50	15 53	3 36	1 42	1 44	23 48	0 19	20 53	0 50	0 17	2 21	23 16	0 6	17 24	1 42	16 0	17 13	13 43	14 0	4 47	7 3	5 18
W28	16 26	2n13	3 5	16 12	3 30	2 11	1 52	23 50	0 20	20 55	0 50	0 14	2 20	23 16	0 6	17 24	1 42	16 1	17 13	13 40	13 59	4 45	7 2	5 18
T 29	16 8	6 8	2 12	16 30	3 22	2 39	1 59	23 52	0 21	20 57	0 50	0 12	2 20	23 16	0 6	17 24	1 42	16 2	17 14	13 39	13 58	4 43	7 1	5 18
F 30	15 50	9 50	1 13	16 47	3 13	3 8	2 7	23 53	0 22	20 58	0 50	0 9	2 20	23 17	0 6	17 24	1 42	16 3	17 14	13 38	13 57	4 41	6 59	5 18
S 31	15s32	13n11	0n 9	17s 4	3n 2	3n36	2n14	23s55	0s23	21n 0	0n50	0s 7	2s20	23s17	0s 6	17n24	1s42	16n 4	17n15	13s38	13s56	4s39	6s58	5n17

Julian Day Number = 2171045.5, Delta T = 12m18s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'51, Lahiri = 13°08'51 Julian Calendar 1 Jan. 1232 == Greg. Calendar 8 Jan. 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

FEBRUARY 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 9 49	18♒55'16	16♉45	0°R31	4♈44	29♐41	0°R 7	5♈11	20♐18	24♉49	29°R15	6°R 9	7♏ 2	7♓41	28♒53	S 1
M 2	9 13 45	19°55'45	29°27	0♒15	5°35	0♑24	0♌ 0	5°17	20°21	24°49	29♏14	6♏ 9	6°59	7°47	28°57	M 2
T 3	9 17 42	20°56'11	12♊36	0° 6	6°26	1° 8	29♋53	5°23	20°23	24°49	29°12	6° 7	6°56	7°54	29° 1	T 3
W 4	9 21 39	21°56'36	26°13	0°D 4	7°16	1°51	29°46	5°29	20°25	24°49	29°11	6° 3	6°52	8° 1	29° 5	W 4
T 5	9 25 35	22°56'58	10♋21	0° 9	8° 5	2°35	29°40	5°35	20°27	24°50	29°10	5°56	6°49	8° 7	29° 9	T 5
F 6	9 29 32	23°57'19	24°58	0°21	8°53	3°18	29°33	5°42	20°29	24°50	29° 9	5°47	6°46	8°14	29°13	F 6
S 7	9 33 28	24°57'38	9♌58	0°38	9°40	4° 2	29°26	5°48	20°31	24°50	29° 7	5°37	6°43	8°21	29°17	S 7
S 8	9 37 25	25°57'54	25°14	1° 1	10°26	4°45	29°20	5°54	20°33	24°51	29° 6	5°26	6°40	8°28	29°21	S 8
M 9	9 41 21	26°58'09	10♍33	1°29	11°12	5°29	29°13	6° 1	20°35	24°51	29° 5	5°17	6°37	8°34	29°25	M 9
T 10	9 45 18	27°58'23	25°45	2° 2	11°56	6°12	29° 7	6° 7	20°37	24°51	29° 3	5° 9	6°33	8°41	29°29	T 10
W11	9 49 14	28°58'34	10♎39	2°39	12°39	6°56	29° 1	6°14	20°39	24°52	29° 2	5° 5	6°30	8°48	29°33	W11
T 12	9 53 11	29°58'44	25°10	3°21	13°21	7°39	28°55	6°21	20°41	24°52	29° 1	5° 2	6°27	8°54	29°36	T 12
F 13	9 57 8	0♓58'52	9♏14	4° 6	14° 2	8°23	28°49	6°27	20°43	24°53	28°59	5°D 2	6°24	9° 1	29°40	F 13
S 14	10 1 4	1°58'59	22°51	4°55	14°42	9° 7	28°43	6°34	20°45	24°53	28°58	5° 3	6°21	9° 8	29°44	S 14
S 15	10 5 1	2°59'05	6♐ 3	5°47	15°21	9°51	28°38	6°41	20°46	24°54	28°56	5°R 3	6°17	9°15	29°48	S 15
M16	10 8 57	3°59'08	18°54	6°42	15°58	10°34	28°33	6°48	20°48	24°55	28°55	5° 2	6°14	9°21	29°52	M16
T 17	10 12 54	4°59'10	1♑27	7°41	16°34	11°18	28°27	6°55	20°49	24°55	28°53	4°58	6°11	9°28	29°56	T 17
W18	10 16 50	5°59'11	13°47	8°41	17° 9	12° 2	28°22	7° 1	20°51	24°56	28°52	4°52	6° 8	9°35	0♓ 0	W18
T 19	10 20 47	6°59'09	25°56	9°45	17°42	12°46	28°17	7° 8	20°53	24°57	28°50	4°44	6° 5	9°41	0° 4	T 19
F 20	10 24 43	7°59'06	7♒58	10°51	18°14	13°29	28°13	7°15	20°54	24°57	28°49	4°34	6° 2	9°48	0° 8	F 20
S 21	10 28 40	8°59'01	19°54	11°59	18°44	14°13	28° 8	7°22	20°55	24°58	28°47	4°23	5°58	9°55	0°12	S 21
S 22	10 32 36	9°58'54	1♓47	13° 9	19°13	14°57	28° 4	7°29	20°57	24°59	28°46	4°12	5°55	10° 1	0°16	S 22
M23	10 36 33	10°58'45	13°38	14°21	19°40	15°41	27°59	7°37	20°58	25° 0	28°44	4° 2	5°52	10° 8	0°20	M23
T 24	10 40 30	11°58'34	25°28	15°35	20° 5	16°25	27°55	7°44	20°59	25° 1	28°43	3°53	5°49	10°15	0°24	T 24
W25	10 44 26	12°58'21	7♈19	16°51	20°29	17° 9	27°51	7°51	21° 0	25° 2	28°41	3°47	5°46	10°21	0°28	W25
T 26	10 48 23	13°58'06	19°14	18° 9	20°51	17°53	27°48	7°58	21° 2	25° 3	28°40	3°44	5°42	10°28	0°31	T 26
F 27	10 52 19	14°57'48	1♉15	19°28	21°11	18°37	27°44	8° 5	21° 3	25° 4	28°38	3°D43	5°39	10°35	0°35	F 27
S 28	10 56 16	15°57'29	13°25	20°49	21°29	19°21	27°41	8°13	21° 4	25° 5	28°36	3°43	5°36	10°42	0°39	S 28
S 29	11 0 12	16♓57'07	25♉49	22♒12	21♈44	20♑ 5	27♋38	8♈20	21♐ 5	25♉ 6	28♍35	3♏44	5♏33	10♓48	0♓43	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s13	16n 1	0s56	17s20	2n51	4n 4	2n22	23s56	0s24	21n 2	0n50	0s 4	2s20	23s17	0s 6	17n24	1s42	16n 4	17n15	13s38	13s55	4s37	6s57	5n17
M 2	14 54	18 10	2 0	17 35	2 39	4 31	2 30	23 57	0 24	21 3	0 50	0 2	2 20	23 17	0 6	17 24	1 42	16 5	17 15	13 37	13 54	4 35	6 56	5 17
T 3	14 35	19 25	3 0	17 49	2 27	4 59	2 38	23 57	0 25	21 5	0 51	0n 1	2 19	23 17	0 6	17 24	1 42	16 6	17 16	13 37	13 53	4 33	6 54	5 17
W 4	14 15	19 36	3 53	18 2	2 14	5 26	2 46	23 58	0 26	21 6	0 51	0 3	2 19	23 17	0 6	17 24	1 42	16 7	17 16	13 36	13 52	4 31	6 53	5 17
T 5	13 55	18 36	4 33	18 13	2 2	5 53	2 54	23 58	0 27	21 8	0 51	0 6	2 19	23 18	0 6	17 25	1 42	16 8	17 17	13 33	13 51	4 28	6 52	5 17
F 6	13 35	16 22	4 57	18 23	1 49	6 19	3 2	23 58	0 28	21 9	0 51	0 9	2 19	23 18	0 6	17 25	1 41	16 9	17 17	13 30	13 50	4 26	6 51	5 17
S 7	13 15	12 59	5 1	18 32	1 36	6 45	3 10	23 57	0 29	21 11	0 51	0 11	2 19	23 18	0 6	17 25	1 41	16 9	17 17	13 27	13 49	4 24	6 49	5 17
S 8	12 55	8 42	4 44	18 39	1 23	7 11	3 19	23 57	0 30	21 12	0 51	0 14	2 19	23 18	0 6	17 25	1 41	16 10	17 18	13 23	13 48	4 22	6 48	5 17
M 9	12 34	3 50	4 7	18 46	1 11	7 37	3 27	23 56	0 30	21 13	0 51	0 17	2 19	23 18	0 6	17 25	1 41	16 11	17 18	13 20	13 47	4 20	6 47	5 17
T 10	12 14	1s15	3 13	18 50	0 59	8 2	3 35	23 55	0 31	21 15	0 51	0 19	2 18	23 18	0 6	17 25	1 41	16 12	17 18	13 18	13 46	4 18	6 45	5 17
W11	11 53	6 10	2 6	18 54	0 46	8 27	3 44	23 53	0 32	21 16	0 51	0 22	2 18	23 19	0 6	17 25	1 41	16 13	17 19	13 16	13 45	4 16	6 44	5 17
T 12	11 32	10 35	0 52	18 56	0 35	8 51	3 52	23 52	0 33	21 17	0 51	0 25	2 18	23 19	0 6	17 26	1 41	16 14	17 19	13 15	13 43	4 14	6 43	5 17
F 13	11 10	14 16	0n22	18 56	0 23	9 15	4 1	23 50	0 34	21 19	0 51	0 28	2 18	23 19	0 6	17 26	1 41	16 15	17 19	13 15	13 42	4 12	6 41	5 17
S 14	10 49	17 3	1 34	18 55	0 12	9 39	4 9	23 48	0 35	21 20	0 51	0 30	2 18	23 19	0 6	17 26	1 41	16 15	17 20	13 15	13 41	4 10	6 40	5 16
S 15	10 27	18 49	2 38	18 53	0 1	10 2	4 18	23 46	0 36	21 21	0 51	0 33	2 18	23 19	0 6	17 26	1 41	16 16	17 20	13 15	13 40	4 8	6 39	5 16
M16	10 5	19 33	3 32	18 49	0s 9	10 24	4 26	23 43	0 37	21 22	0 51	0 36	2 18	23 19	0 6	17 26	1 41	16 17	17 20	13 15	13 39	4 6	6 37	5 16
T 17	9 43	19 17	4 14	18 44	0 19	10 46	4 35	23 41	0 38	21 23	0 51	0 39	2 18	23 19	0 6	17 27	1 41	16 18	17 20	13 14	13 38	4 4	6 36	5 16
W18	9 21	18 6	4 44	18 38	0 29	11 7	4 44	23 38	0 39	21 24	0 51	0 42	2 17	23 19	0 6	17 27	1 41	16 19	17 21	13 12	13 37	4 2	6 35	5 16
T 19	8 59	16 7	5 1	18 30	0 38	11 28	4 52	23 35	0 39	21 25	0 51	0 45	2 17	23 20	0 6	17 27	1 41	16 20	17 21	13 9	13 36	4 0	6 33	5 16
F 20	8 37	13 27	5 4	18 21	0 47	11 49	5 1	23 31	0 40	21 26	0 51	0 47	2 17	23 20	0 6	17 27	1 41	16 20	17 21	13 6	13 35	3 58	6 32	5 16
S 21	8 14	10 15	4 54	18 10	0 56	12 8	5 10	23 28	0 41	21 27	0 51	0 50	2 17	23 20	0 6	17 28	1 41	16 21	17 21	13 2	13 34	3 56	6 31	5 16
S 22	7 51	6 40	4 30	17 58	1 4	12 27	5 18	23 24	0 42	21 28	0 51	0 53	2 17	23 20	0 6	17 28	1 40	16 22	17 22	12 58	13 33	3 54	6 29	5 16
M23	7 29	2 50	3 56	17 44	1 12	12 45	5 27	23 19	0 43	21 29	0 51	0 56	2 17	23 20	0 6	17 28	1 40	16 23	17 22	12 55	13 32	3 51	6 28	5 16
T 24	7 6	1n 6	3 11	17 29	1 19	13 3	5 35	23 15	0 44	21 30	0 51	0 59	2 17	23 20	0 6	17 28	1 40	16 24	17 22	12 52	13 31	3 49	6 27	5 16
W25	6 43	5 1	2 17	17 13	1 26	13 20	5 44	23 11	0 45	21 30	0 51	1 2	2 17	23 20	0 6	17 29	1 40	16 24	17 22	12 50	13 30	3 47	6 25	5 16
T 26	6 20	8 45	1 17	16 55	1 33	13 36	5 52	23 6	0 46	21 31	0 51	1 5	2 17	23 20	0 6	17 29	1 40	16 25	17 23	12 49	13 29	3 45	6 24	5 16
F 27	5 57	12 10	0 13	16 36	1 39	13 51	6 0	23 1	0 47	21 32	0 51	1 8	2 17	23 20	0 6	17 29	1 40	16 26	17 23	12 48	13 28	3 43	6 22	5 16
S 28	5 34	15 6	0s52	16 16	1 45	14 5	6 9	22 55	0 48	21 32	0 51	1 11	2 17	23 20	0 6	17 30	1 40	16 27	17 23	12 48	13 27	3 41	6 21	5 16
S 29	5s10	17n24	1s57	15s54	1s50	14n19	6n17	22s50	0s49	21n33	0n51	1n14	2s16	23s21	0s 6	17n30	1s40	16n28	17n23	12s49	13s26	3s39	6s20	5n17

Julian Day Number = 2171076.5, Delta T = 12m18s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'55, Lahiri = 13°08'55 Julian Calendar 1 Feb. 1232 == Greg. Calendar 8 Feb. 1232

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1232
geocentric

MARCH 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 4 9	17♓56'43	8♊31	23♒36	21♈58	20♉49	27°R35	8♈27	21♐ 6	25♉ 7	28°R33	3♏45	5♏30	10♓55	0♓47	M 1
T 2	11 8 5	18°56'16	21°35	25° 2	22°10	21°33	27♋32	8°35	21° 7	25° 8	28♍31	3°R46	5°27	11° 2	0°51	T 2
W 3	11 12 2	19°55'47	5♋ 4	26°29	22°19	22°17	27°29	8°42	21° 7	25° 9	28°30	3°45	5°23	11° 8	0°54	W 3
T 4	11 15 59	20°55'16	19° 1	27°58	22°26	23° 1	27°27	8°49	21° 8	25°10	28°28	3°42	5°20	11°15	0°58	T 4
F 5	11 19 55	21°54'43	3♌25	29°28	22°31	23°45	27°24	8°57	21° 9	25°11	28°27	3°37	5°17	11°22	1° 2	F 5
S 6	11 23 52	22°54'07	18°14	0♓59	22°34	24°29	27°22	9° 4	21°10	25°13	28°25	3°31	5°14	11°28	1° 6	S 6
S 7	11 27 48	23°53'28	3♍21	2°32	22°R34	25°13	27°21	9°12	21°10	25°14	28°23	3°25	5°11	11°35	1° 9	S 7
M 8	11 31 45	24°52'48	18°37	4° 6	22°31	25°57	27°19	9°19	21°11	25°15	28°22	3°20	5° 8	11°42	1°13	M 8
T 9	11 35 41	25°52'05	3♎51	5°42	22°26	26°41	27°17	9°27	21°11	25°16	28°20	3°16	5° 4	11°49	1°17	T 9
W10	11 39 38	26°51'21	18°53	7°19	22°19	27°25	27°16	9°34	21°12	25°18	28°18	3°13	5° 1	11°55	1°20	W10
T 11	11 43 34	27°50'34	3♏35	8°57	22° 9	28°10	27°15	9°42	21°12	25°19	28°17	3°D12	4°58	12° 2	1°24	T 11
F 12	11 47 31	28°49'46	17°51	10°37	21°57	28°54	27°14	9°49	21°13	25°21	28°15	3°13	4°55	12° 9	1°28	F 12
S 13	11 51 28	29°48'56	1♐39	12°18	21°42	29°38	27°13	9°57	21°13	25°22	28°13	3°14	4°52	12°15	1°31	S 13
S 14	11 55 24	0♈48'04	15° 1	14° 1	21°25	0♒22	27°13	10° 4	21°13	25°23	28°12	3°16	4°48	12°22	1°35	S 14
M15	11 59 21	1°47'10	27°57	15°45	21° 5	1° 6	27°12	10°12	21°13	25°25	28°10	3°R17	4°45	12°29	1°38	M15
T 16	12 3 17	2°46'14	10♉33	17°30	20°43	1°51	27°D12	10°20	21°14	25°26	28° 8	3°17	4°42	12°35	1°42	T 16
W17	12 7 14	3°45'17	22°51	19°17	20°19	2°35	27°12	10°27	21°14	25°28	28° 7	3°15	4°39	12°42	1°45	W17
T 18	12 11 10	4°44'17	4♒57	21° 5	19°53	3°19	27°12	10°35	21°14	25°29	28° 5	3°12	4°36	12°49	1°49	T 18
F 19	12 15 7	5°43'16	16°54	22°55	19°24	4° 3	27°13	10°42	21°R14	25°31	28° 3	3° 8	4°33	12°55	1°52	F 19
S 20	12 19 3	6°42'13	28°46	24°46	18°54	4°48	27°13	10°50	21°14	25°33	28° 2	3° 4	4°29	13° 2	1°56	S 20
S 21	12 23 0	7°41'08	10♓36	26°39	18°22	5°32	27°14	10°58	21°14	25°34	28° 0	2°59	4°26	13° 9	1°59	S 21
M22	12 26 56	8°40'02	22°26	28°33	17°49	6°16	27°15	11° 5	21°14	25°36	27°58	2°55	4°23	13°16	2° 2	M22
T 23	12 30 53	9°38'53	4♈19	0♈29	17°14	7° 0	27°16	11°13	21°13	25°37	27°57	2°52	4°20	13°22	2° 6	T 23
W24	12 34 50	10°37'42	16°16	2°26	16°39	7°45	27°18	11°21	21°13	25°39	27°55	2°49	4°17	13°29	2° 9	W24
T 25	12 38 46	11°36'29	28°20	4°24	16° 2	8°29	27°19	11°28	21°13	25°41	27°53	2°D48	4°13	13°36	2°12	T 25
F 26	12 42 43	12°35'14	10♉31	6°24	15°25	9°13	27°21	11°36	21°12	25°43	27°52	2°49	4°10	13°42	2°15	F 26
S 27	12 46 39	13°33'57	22°54	8°25	14°47	9°57	27°23	11°44	21°12	25°44	27°50	2°50	4° 7	13°49	2°19	S 27
S 28	12 50 36	14°32'38	5♊28	10°28	14° 9	10°42	27°25	11°51	21°12	25°46	27°49	2°51	4° 4	13°56	2°22	S 28
M29	12 54 32	15°31'16	18°18	12°32	13°31	11°26	27°27	11°59	21°11	25°48	27°47	2°52	4° 1	14° 2	2°25	M29
T 30	12 58 29	16°29'53	1♋26	14°36	12°54	12°10	27°30	12° 7	21°11	25°50	27°45	2°53	3°58	14° 9	2°28	T 30
W31	13 2 25	17♈28'27	14♋53	16♈42	12♈17	12♒55	27♋32	12♈14	21♐10	25♉52	27♍44	2°R54	3♏54	14♓16	2♓31	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s47	18n54	2s57	15s31	1s55	14n31	6n24	22s44	0s50	21n34	0n51	1n17	2s16	23s21	0s 6	17n30	1s40	16n28	17n23	12s49	13s24	3s37	6s18	5n17
T 2	4 24	19 27	3 50	15 6	1 59	14 43	6 32	22 38	0 51	21 34	0 51	1 20	2 16	23 21	0 6	17 31	1 40	16 29	17 23	12 49	13 23	3 35	6 17	5 17
W 3	4 0	18 54	4 32	14 40	2 3	14 53	6 40	22 32	0 52	21 35	0 51	1 23	2 16	23 21	0 6	17 31	1 40	16 30	17 23	12 49	13 22	3 33	6 16	5 17
T 4	3 37	17 14	5 0	14 13	2 7	15 3	6 47	22 26	0 53	21 35	0 51	1 26	2 16	23 21	0 6	17 31	1 40	16 31	17 24	12 48	13 21	3 31	6 14	5 17
F 5	3 13	14 27	5 10	13 44	2 10	15 11	6 54	22 19	0 54	21 35	0 51	1 29	2 16	23 21	0 7	17 32	1 40	16 32	17 24	12 46	13 20	3 29	6 13	5 17
S 6	2 50	10 40	5 0	13 14	2 13	15 18	7 1	22 12	0 55	21 36	0 51	1 32	2 16	23 21	0 7	17 32	1 40	16 32	17 24	12 44	13 19	3 27	6 11	5 17
S 7	2 26	6 8	4 29	12 43	2 15	15 24	7 7	22 5	0 55	21 36	0 51	1 35	2 16	23 21	0 7	17 32	1 40	16 33	17 24	12 42	13 18	3 25	6 10	5 17
M 8	2 3	1 10	3 39	12 10	2 17	15 29	7 13	21 58	0 56	21 37	0 51	1 38	2 16	23 21	0 7	17 33	1 40	16 34	17 24	12 40	13 17	3 23	6 9	5 17
T 9	1 39	3s53	2 33	11 36	2 18	15 32	7 19	21 51	0 57	21 37	0 51	1 41	2 16	23 21	0 7	17 33	1 40	16 34	17 24	12 39	13 16	3 21	6 7	5 17
W10	1 15	8 37	1 17	11 1	2 19	15 34	7 24	21 43	0 58	21 37	0 50	1 44	2 16	23 21	0 7	17 33	1 40	16 35	17 24	12 38	13 15	3 19	6 6	5 17
T 11	0 52	12 44	0n 2	10 24	2 20	15 35	7 28	21 35	0 59	21 37	0 50	1 47	2 16	23 21	0 7	17 34	1 39	16 36	17 24	12 38	13 14	3 17	6 5	5 17
F 12	0 28	15 57	1 19	9 46	2 20	15 34	7 33	21 27	1 0	21 37	0 50	1 50	2 16	23 21	0 7	17 34	1 39	16 37	17 24	12 38	13 13	3 15	6 3	5 17
S 13	0 4	18 8	2 29	9 7	2 19	15 32	7 36	21 19	1 1	21 37	0 50	1 53	2 16	23 21	0 7	17 34	1 39	16 37	17 24	12 39	13 12	3 13	6 2	5 17
S 14	0n19	19 14	3 29	8 26	2 18	15 28	7 39	21 10	1 2	21 37	0 50	1 56	2 16	23 21	0 7	17 35	1 39	16 38	17 24	12 39	13 11	3 10	6 1	5 17
M15	0 43	19 16	4 16	7 44	2 16	15 23	7 42	21 1	1 3	21 37	0 50	1 59	2 16	23 21	0 7	17 35	1 39	16 39	17 24	12 39	13 10	3 8	5 59	5 18
T 16	1 6	18 19	4 49	7 1	2 14	15 16	7 44	20 52	1 4	21 37	0 50	2 2	2 16	23 21	0 7	17 36	1 39	16 39	17 24	12 39	13 8	3 6	5 58	5 18
W17	1 30	16 32	5 8	6 17	2 12	15 7	7 45	20 43	1 5	21 37	0 50	2 5	2 16	23 21	0 7	17 36	1 39	16 40	17 24	12 39	13 7	3 4	5 57	5 18
T 18	1 53	14 2	5 13	5 31	2 9	14 58	7 45	20 34	1 6	21 37	0 50	2 8	2 16	23 21	0 7	17 36	1 39	16 41	17 24	12 38	13 6	3 2	5 55	5 18
F 19	2 17	11 0	5 4	4 44	2 5	14 46	7 44	20 24	1 7	21 37	0 50	2 11	2 16	23 21	0 7	17 37	1 39	16 41	17 24	12 37	13 5	3 0	5 54	5 18
S 20	2 40	7 32	4 42	3 56	2 1	14 33	7 43	20 15	1 8	21 37	0 50	2 14	2 16	23 21	0 7	17 37	1 39	16 42	17 24	12 35	13 4	2 58	5 53	5 18
S 21	3 4	3 47	4 9	3 7	1 57	14 19	7 41	20 5	1 9	21 37	0 50	2 17	2 16	23 21	0 7	17 38	1 39	16 42	17 24	12 33	13 3	2 56	5 51	5 18
M22	3 27	0n 7	3 24	2 17	1 52	14 4	7 38	19 55	1 10	21 37	0 50	2 20	2 16	23 21	0 7	17 38	1 39	16 43	17 24	12 32	13 2	2 54	5 50	5 18
T 23	3 50	4 1	2 31	1 26	1 46	13 47	7 34	19 45	1 11	21 36	0 50	2 23	2 16	23 21	0 7	17 39	1 39	16 44	17 24	12 31	13 1	2 52	5 49	5 19
W24	4 13	7 48	1 30	0 34	1 40	13 28	7 30	19 34	1 12	21 36	0 50	2 26	2 16	23 21	0 7	17 39	1 39	16 44	17 24	12 30	13 0	2 50	5 47	5 19
T 25	4 37	11 18	0 25	0n20	1 33	13 9	7 24	19 24	1 13	21 36	0 50	2 29	2 16	23 21	0 7	17 40	1 39	16 45	17 24	12 30	12 59	2 48	5 46	5 19
F 26	5 0	14 22	0s42	1 14	1 26	12 49	7 18	19 13	1 14	21 35	0 50	2 32	2 16	23 21	0 7	17 40	1 39	16 45	17 24	12 30	12 58	2 46	5 45	5 19
S 27	5 22	16 49	1 49	2 9	1 19	12 27	7 11	19 2	1 15	21 35	0 50	2 35	2 16	23 21	0 7	17 40	1 39	16 46	17 23	12 30	12 57	2 44	5 44	5 19
S 28	5 45	18 30	2 51	3 5	1 11	12 5	7 3	18 51	1 16	21 34	0 50	2 38	2 16	23 21	0 7	17 41	1 39	16 46	17 23	12 31	12 56	2 42	5 42	5 19
M29	6 8	19 16	3 46	4 1	1 2	11 42	6 54	18 39	1 17	21 34	0 50	2 41	2 16	23 21	0 7	17 41	1 39	16 47	17 23	12 31	12 54	2 40	5 41	5 19
T 30	6 31	19 2	4 30	4 58	0 53	11 19	6 44	18 28	1 18	21 33	0 49	2 44	2 16	23 21	0 7	17 42	1 39	16 47	17 23	12 31	12 53	2 38	5 40	5 20
W31	6n53	17n43	5s 1	5n55	0s44	10n55	6n34	18s16	1s19	21n33	0n49	2n46	2s16	23s21	0s 7	17n42	1s39	16n48	17n23	12s32	12s52	2s36	5s39	5n20

Julian Day Number = 2171105.5, Delta T = 12m18s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°01'59, Lahiri = 13°08'59 Julian Calendar 1 March 1232 == Greg. Calendar 8 March 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

APRIL 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 6 22	18♈26'59	28♋43	18♈49	11°R41	13♒39	27♋35	12♈22	21°R 9	25♉53	27°R42	2°R54	3♏51	14♓22	2♓34	T 1
F 2	13 10 19	19°25'29	12♌53	20°56	11♈ 6	14°23	27°38	12°29	21♐ 9	25°55	27♍41	2♏53	3°48	14°29	2°37	F 2
S 3	13 14 15	20°23'56	27°24	23° 4	10°32	15° 7	27°41	12°37	21° 8	25°57	27°39	2°52	3°45	14°36	2°40	S 3
S 4	13 18 12	21°22'21	12♍10	25°12	9°59	15°52	27°45	12°45	21° 7	25°59	27°38	2°50	3°42	14°43	2°43	S 4
M 5	13 22 8	22°20'44	27° 7	27°20	9°29	16°36	27°48	12°52	21° 6	26° 1	27°36	2°49	3°39	14°49	2°46	M 5
T 6	13 26 5	23°19'05	12♎ 5	29°28	9° 0	17°20	27°52	13° 0	21° 5	26° 3	27°35	2°48	3°35	14°56	2°49	T 6
W 7	13 30 1	24°17'24	26°57	1♉35	8°33	18° 4	27°56	13° 7	21° 4	26° 5	27°33	2°D48	3°32	15° 3	2°51	W 7
T 8	13 33 58	25°15'42	11♏36	3°41	8° 8	18°48	28° 0	13°15	21° 3	26° 7	27°32	2°48	3°29	15° 9	2°54	T 8
F 9	13 37 54	26°13'57	25°54	5°46	7°45	19°33	28° 4	13°22	21° 2	26° 9	27°31	2°48	3°26	15°16	2°57	F 9
S 10	13 41 51	27°12'11	9♐47	7°50	7°25	20°17	28° 8	13°30	21° 1	26°11	27°29	2°49	3°23	15°23	2°59	S 10
S 11	13 45 48	28°10'24	23°16	9°52	7° 6	21° 1	28°13	13°37	21° 0	26°13	27°28	2°49	3°19	15°29	3° 2	S 11
M12	13 49 44	29° 8'35	6♑19	11°51	6°51	21°45	28°17	13°45	20°59	26°15	27°26	2°49	3°16	15°36	3° 5	M12
T 13	13 53 41	0♒ 6'44	19° 0	13°49	6°37	22°29	28°22	13°52	20°58	26°17	27°25	2°50	3°13	15°43	3° 7	T 13
W14	13 57 37	1° 4'52	1♒22	15°44	6°27	23°14	28°27	14° 0	20°57	26°19	27°24	2°R50	3°10	15°49	3°10	W14
T 15	14 1 34	2° 2'59	13°29	17°35	6°18	23°58	28°32	14° 7	20°55	26°21	27°22	2°50	3° 7	15°56	3°12	T 15
F 16	14 5 30	3° 1'03	25°26	19°24	6°12	24°42	28°37	14°15	20°54	26°23	27°21	2°D50	3° 4	16° 3	3°14	F 16
S 17	14 9 27	3°59'07	7♓17	21°10	6° 9	25°26	28°43	14°22	20°53	26°25	27°20	2°50	3° 0	16° 9	3°17	S 17
S 18	14 13 23	4°57'09	19° 7	22°53	6°D 8	26°10	28°48	14°29	20°51	26°27	27°19	2°50	2°57	16°16	3°19	S 18
M19	14 17 20	5°55'09	0♈59	24°31	6° 9	26°54	28°54	14°37	20°50	26°30	27°17	2°50	2°54	16°23	3°21	M19
T 20	14 21 16	6°53'08	12°56	26° 7	6°13	27°38	29° 0	14°44	20°48	26°32	27°16	2°51	2°51	16°30	3°24	T 20
W21	14 25 13	7°51'06	25° 1	27°39	6°18	28°22	29° 6	14°51	20°47	26°34	27°15	2°51	2°48	16°36	3°26	W21
T 22	14 29 10	8°49'02	7♉16	29° 7	6°26	29° 6	29°12	14°59	20°45	26°36	27°14	2°R51	2°44	16°43	3°28	T 22
F 23	14 33 6	9°46'57	19°44	0♊31	6°37	29°50	29°19	15° 6	20°44	26°38	27°13	2°51	2°41	16°50	3°30	F 23
S 24	14 37 3	10°44'50	2♊24	1°51	6°49	0♓34	29°25	15°13	20°42	26°40	27°12	2°50	2°38	16°56	3°32	S 24
S 25	14 40 59	11°42'41	15°17	3° 8	7° 3	1°18	29°32	15°20	20°40	26°42	27°11	2°49	2°35	17° 3	3°34	S 25
M26	14 44 56	12°40'31	28°25	4°20	7°20	2° 2	29°38	15°27	20°38	26°45	27°10	2°48	2°32	17°10	3°36	M26
T 27	14 48 52	13°38'19	11♋47	5°29	7°38	2°46	29°45	15°34	20°37	26°47	27° 9	2°47	2°29	17°16	3°38	T 27
W28	14 52 49	14°36'05	25°24	6°33	7°58	3°30	29°52	15°41	20°35	26°49	27° 8	2°46	2°25	17°23	3°40	W28
T 29	14 56 46	15°33'50	9♌15	7°33	8°20	4°14	29°59	15°48	20°33	26°51	27° 7	2°D45	2°22	17°30	3°41	T 29
F 30	15 0 42	16♉31'33	23♌18	8♊30	8♈43	4♓57	0♌ 7	15♈55	20♐31	26♉53	27♍ 6	2♏45	2♏19	17♓36	3♓43	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n16	15n21	5s16	6n53	0s34	10n30	6n23	18s 4	1s20	21n32	0n49	2n49	2s16	23s21	0s 7	17n43	1s39	16n48	17n23	12s32	12s51	2s34	5s37	5n20
F 2	7 38	12 2	5 12	7 50	0 24	10 6	6 12	17 52	1 21	21 31	0 49	2 52	2 16	23 21	0 7	17 43	1 38	16 49	17 22	12 31	12 50	2 32	5 36	5 20
S 3	8 0	7 55	4 48	8 48	0 14	9 42	6 0	17 40	1 22	21 31	0 49	2 55	2 16	23 21	0 7	17 44	1 38	16 49	17 22	12 31	12 49	2 30	5 35	5 20
S 4	8 22	3 15	4 5	9 45	0 3	9 17	5 48	17 28	1 23	21 30	0 49	2 58	2 16	23 21	0 7	17 44	1 38	16 49	17 22	12 30	12 48	2 28	5 34	5 20
M 5	8 44	1s41	3 5	10 41	0n 8	8 53	5 35	17 16	1 24	21 29	0 49	3 1	2 16	23 21	0 7	17 45	1 38	16 50	17 22	12 30	12 47	2 26	5 33	5 21
T 6	9 6	6 31	1 52	11 37	0 19	8 30	5 21	17 3	1 25	21 29	0 49	3 4	2 16	23 21	0 7	17 45	1 38	16 50	17 22	12 30	12 46	2 24	5 31	5 21
W 7	9 27	10 56	0 32	12 32	0 29	8 7	5 8	16 50	1 26	21 28	0 49	3 7	2 16	23 21	0 7	17 46	1 38	16 51	17 21	12 29	12 45	2 21	5 30	5 21
T 8	9 49	14 36	0n49	13 26	0 40	7 44	4 54	16 37	1 27	21 27	0 49	3 10	2 16	23 21	0 7	17 46	1 38	16 51	17 21	12 29	12 44	2 19	5 29	5 21
F 9	10 10	17 17	2 5	14 18	0 51	7 22	4 40	16 24	1 28	21 26	0 49	3 13	2 16	23 21	0 7	17 47	1 38	16 51	17 21	12 30	12 43	2 17	5 28	5 21
S 10	10 31	18 51	3 11	15 9	1 1	7 1	4 26	16 11	1 29	21 25	0 49	3 16	2 16	23 21	0 7	17 47	1 38	16 52	17 21	12 30	12 41	2 15	5 27	5 22
S 11	10 52	19 17	4 5	15 58	1 12	6 41	4 12	15 58	1 30	21 24	0 49	3 18	2 16	23 21	0 7	17 48	1 38	16 52	17 20	12 30	12 40	2 13	5 26	5 22
M12	11 13	18 39	4 44	16 45	1 21	6 22	3 58	15 45	1 31	21 23	0 49	3 21	2 16	23 21	0 7	17 48	1 38	16 52	17 20	12 30	12 39	2 11	5 25	5 22
T 13	11 33	17 6	5 8	17 29	1 31	6 4	3 44	15 31	1 32	21 22	0 49	3 24	2 16	23 21	0 7	17 49	1 38	16 53	17 20	12 30	12 38	2 9	5 23	5 22
W14	11 54	14 46	5 17	18 12	1 40	5 47	3 30	15 17	1 33	21 21	0 49	3 27	2 16	23 21	0 7	17 49	1 38	16 53	17 20	12 30	12 37	2 7	5 22	5 22
T 15	12 14	11 51	5 12	18 52	1 48	5 31	3 16	15 4	1 34	21 20	0 49	3 30	2 16	23 21	0 7	17 50	1 38	16 53	17 19	12 30	12 36	2 5	5 21	5 23
F 16	12 34	8 29	4 53	19 30	1 56	5 15	3 2	14 50	1 35	21 19	0 49	3 33	2 16	23 21	0 7	17 50	1 38	16 53	17 19	12 30	12 35	2 3	5 20	5 23
S 17	12 54	4 49	4 22	20 6	2 3	5 2	2 48	14 36	1 36	21 18	0 49	3 35	2 16	23 20	0 7	17 51	1 38	16 54	17 19	12 30	12 34	2 1	5 19	5 23
S 18	13 14	0 57	3 40	20 39	2 9	4 49	2 35	14 22	1 37	21 16	0 48	3 38	2 17	23 20	0 7	17 51	1 38	16 54	17 18	12 30	12 33	1 59	5 18	5 23
M19	13 33	2n57	2 48	21 9	2 14	4 37	2 22	14 7	1 38	21 15	0 48	3 41	2 17	23 20	0 7	17 52	1 38	16 54	17 18	12 30	12 32	1 57	5 17	5 24
T 20	13 52	6 47	1 48	21 37	2 19	4 27	2 9	13 53	1 39	21 14	0 48	3 44	2 17	23 20	0 7	17 52	1 38	16 54	17 18	12 30	12 31	1 55	5 16	5 24
W21	14 11	10 24	0 43	22 2	2 23	4 17	1 56	13 39	1 40	21 13	0 48	3 46	2 17	23 20	0 7	17 53	1 38	16 54	17 17	12 31	12 29	1 53	5 15	5 24
T 22	14 30	13 37	0s25	22 25	2 26	4 9	1 44	13 24	1 40	21 11	0 48	3 49	2 17	23 20	0 7	17 53	1 38	16 54	17 17	12 31	12 28	1 51	5 14	5 24
F 23	14 48	16 15	1 32	22 46	2 29	4 2	1 31	13 9	1 41	21 10	0 48	3 52	2 17	23 20	0 7	17 54	1 38	16 55	17 17	12 30	12 27	1 49	5 13	5 24
S 24	15 7	18 10	2 37	23 4	2 30	3 56	1 20	12 55	1 42	21 8	0 48	3 55	2 17	23 20	0 7	17 54	1 38	16 55	17 16	12 30	12 26	1 47	5 12	5 25
S 25	15 25	19 10	3 34	23 20	2 31	3 51	1 8	12 40	1 43	21 7	0 48	3 57	2 17	23 20	0 7	17 55	1 38	16 55	17 16	12 30	12 25	1 45	5 11	5 25
M26	15 42	19 10	4 22	23 33	2 30	3 47	0 57	12 25	1 44	21 5	0 48	4 0	2 17	23 20	0 7	17 55	1 38	16 55	17 16	12 30	12 24	1 43	5 10	5 25
T 27	16 0	18 6	4 56	23 45	2 29	3 44	0 46	12 10	1 45	21 4	0 48	4 2	2 17	23 19	0 7	17 56	1 38	16 55	17 15	12 29	12 23	1 41	5 9	5 25
W28	16 17	16 0	5 14	23 54	2 27	3 42	0 35	11 55	1 46	21 2	0 48	4 5	2 18	23 19	0 7	17 56	1 38	16 55	17 15	12 29	12 22	1 39	5 9	5 26
T 29	16 34	12 57	5 15	24 1	2 23	3 41	0 25	11 40	1 47	21 1	0 48	4 8	2 18	23 19	0 7	17 57	1 38	16 55	17 14	12 29	12 21	1 37	5 8	5 26
F 30	16n51	9n 8	4s57	24n 6	2n19	3n42	0n15	11s24	1s48	20n59	0n48	4n10	2s18	23s19	0s 7	17n57	1s38	16n55	17n14	12s29	12s20	1s35	5s 7	5n26

Julian Day Number = 2171136.5, Delta T = 12m18s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'03, Lahiri = 13°09'04 Julian Calendar 1 Apr. 1232 == Greg. Calendar 8 Apr. 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

MAY 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 4 39	17♉29'14	7♍34	9♊21	9♈ 8	5♓41	0♌14	16♈ 2	20°R29	26♉56	27°R 5	2♏46	2♏16	17♓43	3♓45	S 1
S 2	15 8 35	18°26'54	22° 0	10° 9	9°35	6°25	0°22	16° 9	20♐27	26°58	27♍ 4	2°47	2°13	17°50	3°46	S 2
M 3	15 12 32	19°24'32	6♎31	10°52	10° 3	7° 8	0°29	16°16	20°25	27° 0	27° 3	2°48	2°10	17°56	3°48	M 3
T 4	15 16 28	20°22'08	21° 4	11°30	10°33	7°52	0°37	16°23	20°23	27° 2	27° 2	2°49	2° 6	18° 3	3°49	T 4
W 5	15 20 25	21°19'43	5♏34	12° 4	11° 4	8°36	0°45	16°30	20°21	27° 5	27° 1	2°R49	2° 3	18°10	3°51	W 5
T 6	15 24 21	22°17'17	19°54	12°33	11°37	9°19	0°53	16°36	20°19	27° 7	27° 0	2°48	2° 0	18°16	3°52	T 6
F 7	15 28 18	23°14'50	4♐ 0	12°58	12°11	10° 3	1° 1	16°43	20°17	27° 9	27° 0	2°47	1°57	18°23	3°54	F 7
S 8	15 32 14	24°12'21	17°48	13°18	12°46	10°46	1°10	16°50	20°15	27°11	26°59	2°44	1°54	18°30	3°55	S 8
S 9	15 36 11	25° 9'52	1♑14	13°33	13°23	11°29	1°18	16°56	20°13	27°14	26°58	2°41	1°50	18°37	3°56	S 9
M10	15 40 8	26° 7'21	14°18	13°44	14° 0	12°13	1°27	17° 3	20°11	27°16	26°58	2°38	1°47	18°43	3°57	M10
T 11	15 44 4	27° 4'50	27° 2	13°50	14°39	12°56	1°35	17° 9	20° 9	27°18	26°57	2°34	1°44	18°50	3°59	T 11
W12	15 48 1	28° 2'18	9♒26	13°R51	15°19	13°39	1°44	17°16	20° 7	27°20	26°56	2°32	1°41	18°57	4° 0	W12
T 13	15 51 57	28°59'45	21°35	13°48	16° 0	14°23	1°53	17°22	20° 4	27°23	26°56	2°31	1°38	19° 3	4° 1	T 13
F 14	15 55 54	29°57'11	3♓33	13°40	16°42	15° 6	2° 2	17°29	20° 2	27°25	26°55	2°D31	1°35	19°10	4° 2	F 14
S 15	15 59 50	0♊54'36	15°25	13°28	17°25	15°49	2°11	17°35	20° 0	27°27	26°55	2°31	1°31	19°17	4° 3	S 15
S 16	16 3 47	1°52'01	27°15	13°12	18° 9	16°32	2°20	17°41	19°58	27°29	26°54	2°33	1°28	19°23	4° 3	S 16
M17	16 7 43	2°49'25	9♈ 9	12°53	18°54	17°15	2°29	17°47	19°55	27°32	26°54	2°35	1°25	19°30	4° 4	M17
T 18	16 11 40	3°46'48	21°11	12°30	19°39	17°58	2°39	17°53	19°53	27°34	26°53	2°36	1°22	19°37	4° 5	T 18
W19	16 15 37	4°44'11	3♉23	12° 4	20°26	18°41	2°48	17°59	19°51	27°36	26°53	2°R37	1°19	19°43	4° 6	W19
T 20	16 19 33	5°41'33	15°51	11°36	21°13	19°24	2°58	18° 5	19°48	27°38	26°53	2°36	1°16	19°50	4° 6	T 20
F 21	16 23 30	6°38'55	28°34	11° 5	22° 1	20° 6	3° 7	18°11	19°46	27°40	26°52	2°33	1°12	19°57	4° 7	F 21
S 22	16 27 26	7°36'15	11♊35	10°33	22°50	20°49	3°17	18°17	19°44	27°43	26°52	2°30	1° 9	20° 3	4° 7	S 22
S 23	16 31 23	8°33'35	24°52	10° 0	23°40	21°32	3°27	18°23	19°41	27°45	26°52	2°24	1° 6	20°10	4° 8	S 23
M24	16 35 19	9°30'54	8♋25	9°26	24°30	22°14	3°37	18°29	19°39	27°47	26°52	2°19	1° 3	20°17	4° 8	M24
T 25	16 39 16	10°28'13	22°10	8°52	25°21	22°57	3°47	18°35	19°37	27°49	26°51	2°13	1° 0	20°23	4° 9	T 25
W26	16 43 13	11°25'30	6♌ 5	8°19	26°12	23°39	3°57	18°40	19°34	27°52	26°51	2° 8	0°56	20°30	4° 9	W26
T 27	16 47 9	12°22'47	20° 8	7°48	27° 4	24°21	4° 7	18°46	19°32	27°54	26°51	2° 4	0°53	20°37	4° 9	T 27
F 28	16 51 6	13°20'02	4♍16	7°18	27°57	25° 3	4°18	18°51	19°29	27°56	26°51	2° 2	0°50	20°43	4° 9	F 28
S 29	16 55 2	14°17'17	18°26	6°50	28°50	25°45	4°28	18°57	19°27	27°58	26°51	2°D 2	0°47	20°50	4°10	S 29
S 30	16 58 59	15°14'31	2♎38	6°26	29°44	26°27	4°38	19° 2	19°24	28° 0	26°D51	2° 3	0°44	20°57	4°10	S 30
M31	17 2 55	16♊11'44	16♎48	6♊ 4	0♉38	27♓ 9	4♌49	19♈ 8	19♐22	28♉ 2	26♍51	2♏ 4	0♏41	21♓ 3	4°R10	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 7	4n44	4s20	24n 9	2n14	3n43	0n 5	11s 9	1s49	20n58	0n48	4n13	2s18	23s19	0s 7	17n58	1s38	16n55	17n14	12s29	12s19	1s33	5s 6	5n26
S 2	17 23	0 1	3 27	24 10	2 8	3 44	0s 5	10 54	1 50	20 56	0 48	4 15	2 18	23 19	0 7	17 58	1 38	16 55	17 13	12 29	12 17	1 31	5 5	5 27
M 3	17 39	4s45	2 20	24 10	2 1	3 47	0 14	10 38	1 51	20 54	0 48	4 18	2 18	23 19	0 7	17 59	1 38	16 55	17 13	12 29	12 16	1 29	5 4	5 27
T 4	17 55	9 15	1 4	24 7	1 53	3 51	0 23	10 23	1 52	20 53	0 48	4 20	2 18	23 19	0 7	18 0	1 38	16 55	17 12	12 30	12 15	1 27	5 4	5 27
W 5	18 10	13 11	0n15	24 3	1 44	3 55	0 31	10 7	1 52	20 51	0 48	4 23	2 18	23 18	0 7	18 0	1 38	16 55	17 12	12 30	12 14	1 25	5 3	5 28
T 6	18 25	16 18	1 33	23 57	1 34	4 0	0 39	9 51	1 53	20 49	0 48	4 25	2 19	23 18	0 7	18 1	1 38	16 55	17 11	12 30	12 13	1 23	5 2	5 28
F 7	18 40	18 21	2 44	23 50	1 24	4 6	0 47	9 36	1 54	20 47	0 48	4 28	2 19	23 18	0 7	18 1	1 38	16 55	17 11	12 29	12 12	1 21	5 1	5 28
S 8	18 54	19 16	3 43	23 41	1 12	4 13	0 55	9 20	1 55	20 45	0 48	4 30	2 19	23 18	0 7	18 2	1 38	16 54	17 11	12 28	12 11	1 19	5 1	5 28
S 9	19 8	19 3	4 29	23 30	0 59	4 21	1 3	9 4	1 56	20 43	0 47	4 33	2 19	23 18	0 7	18 2	1 38	16 54	17 10	12 27	12 10	1 17	5 0	5 29
M10	19 22	17 49	4 59	23 18	0 46	4 29	1 10	8 48	1 57	20 41	0 47	4 35	2 19	23 18	0 7	18 3	1 38	16 54	17 10	12 26	12 9	1 15	4 59	5 29
T 11	19 35	15 43	5 13	23 5	0 32	4 37	1 16	8 32	1 58	20 39	0 47	4 37	2 19	23 18	0 7	18 3	1 38	16 54	17 9	12 25	12 8	1 13	4 59	5 29
W12	19 48	12 57	5 12	22 50	0 17	4 47	1 23	8 16	1 59	20 37	0 47	4 40	2 19	23 17	0 7	18 4	1 38	16 54	17 9	12 24	12 6	1 11	4 58	5 29
T 13	20 1	9 40	4 57	22 34	0 1	4 57	1 29	8 1	1 59	20 35	0 47	4 42	2 20	23 17	0 7	18 4	1 38	16 54	17 8	12 24	12 5	1 9	4 57	5 30
F 14	20 13	6 3	4 30	22 17	0s15	5 7	1 35	7 45	2 0	20 33	0 47	4 44	2 20	23 17	0 8	18 5	1 38	16 53	17 8	12 24	12 4	1 7	4 57	5 30
S 15	20 25	2 14	3 51	21 59	0 31	5 18	1 41	7 28	2 1	20 31	0 47	4 46	2 20	23 17	0 8	18 5	1 38	16 53	17 7	12 24	12 3	1 5	4 56	5 30
S 16	20 37	1n41	3 2	21 41	0 48	5 30	1 47	7 12	2 2	20 29	0 47	4 49	2 20	23 17	0 8	18 6	1 38	16 53	17 7	12 24	12 2	1 2	4 56	5 30
M17	20 49	5 33	2 5	21 21	1 6	5 42	1 52	6 56	2 3	20 27	0 47	4 51	2 20	23 17	0 8	18 6	1 38	16 53	17 6	12 25	12 1	1 0	4 55	5 31
T 18	21 0	9 15	1 2	21 1	1 23	5 55	1 57	6 40	2 4	20 25	0 47	4 53	2 20	23 16	0 8	18 7	1 38	16 52	17 6	12 25	12 0	0 58	4 55	5 31
W19	21 10	12 38	0s 4	20 41	1 40	6 8	2 2	6 24	2 4	20 23	0 47	4 55	2 21	23 16	0 8	18 7	1 38	16 52	17 5	12 26	11 59	0 56	4 54	5 31
T 20	21 21	15 30	1 12	20 20	1 57	6 21	2 7	6 8	2 5	20 20	0 47	4 57	2 21	23 16	0 8	18 8	1 38	16 52	17 5	12 25	11 58	0 54	4 54	5 32
F 21	21 30	17 42	2 17	19 59	2 14	6 35	2 11	5 52	2 6	20 18	0 47	4 59	2 21	23 16	0 8	18 8	1 38	16 51	17 4	12 25	11 56	0 52	4 53	5 32
S 22	21 40	19 1	3 17	19 39	2 30	6 49	2 15	5 36	2 7	20 16	0 47	5 2	2 21	23 16	0 8	18 9	1 38	16 51	17 4	12 23	11 55	0 50	4 53	5 32
S 23	21 49	19 20	4 7	19 19	2 45	7 4	2 19	5 20	2 8	20 14	0 47	5 4	2 21	23 16	0 8	18 9	1 38	16 51	17 3	12 21	11 54	0 48	4 52	5 32
M24	21 58	18 33	4 44	18 59	3 0	7 19	2 23	5 3	2 8	20 11	0 47	5 6	2 21	23 15	0 8	18 10	1 38	16 50	17 3	12 19	11 53	0 46	4 52	5 33
T 25	22 6	16 41	5 6	18 41	3 14	7 34	2 26	4 47	2 9	20 9	0 47	5 8	2 22	23 15	0 8	18 10	1 38	16 50	17 2	12 17	11 52	0 44	4 51	5 33
W26	22 15	13 49	5 10	18 23	3 27	7 50	2 30	4 31	2 10	20 6	0 47	5 10	2 22	23 15	0 8	18 11	1 38	16 50	17 2	12 16	11 51	0 42	4 51	5 33
T 27	22 22	10 10	4 55	18 7	3 38	8 6	2 33	4 15	2 11	20 4	0 47	5 12	2 22	23 15	0 8	18 11	1 38	16 49	17 1	12 14	11 50	0 40	4 51	5 34
F 28	22 30	5 54	4 23	17 52	3 48	8 22	2 36	3 59	2 11	20 1	0 47	5 13	2 22	23 15	0 8	18 12	1 38	16 49	17 1	12 14	11 49	0 38	4 50	5 34
S 29	22 36	1 18	3 34	17 38	3 57	8 38	2 39	3 43	2 12	19 59	0 47	5 15	2 22	23 15	0 8	18 12	1 38	16 48	17 0	12 14	11 48	0 36	4 50	5 34
S 30	22 43	3s23	2 33	17 27	4 5	8 54	2 41	3 27	2 13	19 56	0 47	5 17	2 23	23 14	0 8	18 13	1 38	16 48	17 0	12 14	11 46	0 34	4 50	5 34
M31	22n49	7s53	1s22	17n17	4s11	9n11	2s43	3s11	2s14	19n54	0n47	5n19	2s23	23s14	0s 8	18n13	1s38	16n47	16n59	12s14	11s45	0s32	4s50	5n35

Julian Day Number = 2171166.5, Delta T = 12m18s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'07, Lahiri = 13°09'08 Julian Calendar 1 May 1232 == Greg. Calendar 8 May 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

JUNE 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 6 52	17♊ 8'56	0♏56	5°R46	1♉33	27♓51	5♌ 0	19♈13	19°R20	28♉ 5	26♍51	2°R 5	0♏37	21♓10	4°R10	T 1
W 2	17 10 48	18° 6'08	14°59	5♊32	2°28	28°33	5°10	19°18	19♐17	28° 7	26°51	2♏ 4	0°34	21°17	4♓ 9	W 2
T 3	17 14 45	19° 3'19	28°55	5°22	3°24	29°15	5°21	19°23	19°15	28° 9	26°51	2° 1	0°31	21°24	4° 9	T 3
F 4	17 18 42	20° 0'30	12♐39	5°16	4°20	29°56	5°32	19°28	19°12	28°11	26°51	1°57	0°28	21°30	4° 9	F 4
S 5	17 22 38	20°57'41	26°10	5°D15	5°16	0♈38	5°43	19°33	19°10	28°13	26°51	1°50	0°25	21°37	4° 9	S 5
S 6	17 26 35	21°54'51	9♑24	5°18	6°14	1°19	5°54	19°38	19° 7	28°15	26°52	1°42	0°22	21°44	4° 8	S 6
M 7	17 30 31	22°52'01	22°21	5°26	7°11	2° 0	6° 5	19°43	19° 5	28°17	26°52	1°33	0°18	21°50	4° 8	M 7
T 8	17 34 28	23°49'11	5♒ 0	5°39	8° 9	2°42	6°16	19°48	19° 3	28°19	26°52	1°25	0°15	21°57	4° 8	T 8
W 9	17 38 24	24°46'21	17°23	5°57	9° 7	3°23	6°27	19°52	19° 0	28°21	26°52	1°18	0°12	22° 4	4° 7	W 9
T 10	17 42 21	25°43'31	29°31	6°19	10° 6	4° 4	6°39	19°57	18°58	28°23	26°53	1°12	0° 9	22°10	4° 7	T 10
F 11	17 46 17	26°40'40	11♓29	6°47	11° 5	4°45	6°50	20° 1	18°55	28°25	26°53	1° 9	0° 6	22°17	4° 6	F 11
S 12	17 50 14	27°37'50	23°20	7°19	12° 5	5°25	7° 1	20° 6	18°53	28°27	26°54	1°D 7	0° 2	22°24	4° 5	S 12
S 13	17 54 11	28°35'01	5♈11	7°56	13° 4	6° 6	7°13	20°10	18°50	28°29	26°54	1° 8	29♎59	22°30	4° 5	S 13
M14	17 58 7	29°32'11	17° 5	8°38	14° 4	6°47	7°25	20°14	18°48	28°31	26°54	1° 8	29°56	22°37	4° 4	M14
T 15	18 2 4	0♋29'22	29° 8	9°24	15° 5	7°27	7°36	20°18	18°46	28°33	26°55	1°R 9	29°53	22°44	4° 3	T 15
W16	18 6 0	1°26'33	11♉26	10°15	16° 6	8° 7	7°48	20°23	18°43	28°35	26°55	1° 8	29°50	22°50	4° 2	W16
T 17	18 9 57	2°23'44	24° 1	11°10	17° 7	8°47	8° 0	20°27	18°41	28°37	26°56	1° 6	29°47	22°57	4° 1	T 17
F 18	18 13 53	3°20'56	6♊58	12°10	18° 8	9°27	8°11	20°31	18°39	28°39	26°57	1° 1	29°43	23° 4	4° 0	F 18
S 19	18 17 50	4°18'08	20°16	13°14	19°10	10° 7	8°23	20°34	18°36	28°41	26°57	0°54	29°40	23°10	3°59	S 19
S 20	18 21 46	5°15'20	3♋55	14°22	20°12	10°47	8°35	20°38	18°34	28°43	26°58	0°45	29°37	23°17	3°58	S 20
M21	18 25 43	6°12'33	17°53	15°35	21°14	11°27	8°47	20°42	18°32	28°45	26°59	0°35	29°34	23°24	3°57	M21
T 22	18 29 40	7° 9'45	2♌ 6	16°52	22°16	12° 6	8°59	20°45	18°29	28°47	26°59	0°25	29°31	23°30	3°56	T 22
W23	18 33 36	8° 6'58	16°26	18°14	23°19	12°45	9°11	20°49	18°27	28°49	27° 0	0°16	29°28	23°37	3°54	W23
T 24	18 37 33	9° 4'10	0♍50	19°39	24°22	13°25	9°23	20°52	18°25	28°51	27° 1	0° 9	29°24	23°44	3°53	T 24
F 25	18 41 29	10° 1'23	15°12	21° 8	25°25	14° 4	9°35	20°56	18°23	28°52	27° 2	0° 5	29°21	23°50	3°52	F 25
S 26	18 45 26	10°58'36	29°28	22°41	26°28	14°42	9°48	20°59	18°20	28°54	27° 3	0° 3	29°18	23°57	3°50	S 26
S 27	18 49 22	11°55'49	13♎36	24°18	27°32	15°21	10° 0	21° 2	18°18	28°56	27° 3	0°D 2	29°15	24° 4	3°49	S 27
M28	18 53 19	12°53'02	27°35	25°59	28°36	16° 0	10°12	21° 5	18°16	28°58	27° 4	0°R 2	29°12	24°10	3°47	M28
T 29	18 57 15	13°50'15	11♏26	27°43	29°40	16°38	10°24	21° 8	18°14	28°59	27° 5	0° 2	29° 8	24°17	3°46	T 29
W30	19 1 12	14♋47'28	25♏ 6	29♊31	0♊44	17♈16	10♌37	21♈11	18♐12	29♉ 1	27♍ 6	29♎59	29♎ 5	24♓24	3♓44	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n55	11s57	0s 6	17n 9	4s16	9n28	2s46	2s54	2s14	19n51	0n47	5n21	2s23	23s14	0s 8	18n14	1s38	16n47	16n59	12s15	11s44	0s30	4s49	5n35
W 2	23 0	15 18	1n 9	17 3	4 20	9 45	2 48	2 38	2 15	19 49	0 47	5 23	2 23	23 14	0 8	18 14	1 38	16 46	16 58	12 14	11 43	0 28	4 49	5 35
T 3	23 5	17 43	2 20	16 59	4 22	10 2	2 49	2 22	2 16	19 46	0 47	5 24	2 23	23 14	0 8	18 14	1 38	16 46	16 58	12 14	11 42	0 26	4 49	5 35
F 4	23 10	19 5	3 21	16 57	4 23	10 20	2 51	2 6	2 16	19 43	0 47	5 26	2 24	23 13	0 8	18 15	1 38	16 45	16 57	12 12	11 41	0 24	4 49	5 36
S 5	23 14	19 19	4 10	16 58	4 22	10 37	2 53	1 50	2 17	19 40	0 47	5 28	2 24	23 13	0 8	18 15	1 38	16 45	16 57	12 10	11 40	0 22	4 49	5 36
S 6	23 17	18 29	4 44	17 0	4 21	10 55	2 54	1 35	2 18	19 38	0 47	5 29	2 24	23 13	0 8	18 16	1 38	16 44	16 56	12 7	11 39	0 20	4 48	5 36
M 7	23 21	16 42	5 3	17 4	4 18	11 13	2 55	1 19	2 18	19 35	0 47	5 31	2 24	23 13	0 8	18 16	1 38	16 44	16 56	12 4	11 38	0 18	4 48	5 37
T 8	23 23	14 8	5 6	17 10	4 14	11 30	2 56	1 3	2 19	19 32	0 47	5 33	2 24	23 13	0 8	18 17	1 38	16 43	16 55	12 1	11 36	0 16	4 48	5 37
W 9	23 26	11 0	4 55	17 18	4 9	11 48	2 57	0 47	2 20	19 29	0 47	5 34	2 25	23 12	0 8	18 17	1 38	16 42	16 55	11 58	11 35	0 14	4 48	5 37
T 10	23 28	7 28	4 30	17 28	4 3	12 6	2 58	0 31	2 20	19 27	0 47	5 36	2 25	23 12	0 8	18 18	1 38	16 42	16 54	11 56	11 34	0 12	4 48	5 37
F 11	23 30	3 41	3 54	17 39	3 56	12 24	2 58	0 16	2 21	19 24	0 47	5 37	2 25	23 12	0 8	18 18	1 38	16 41	16 53	11 55	11 33	0 10	4 48	5 38
S 12	23 31	0n14	3 9	17 52	3 48	12 41	2 59	0n 0	2 21	19 21	0 47	5 39	2 25	23 12	0 8	18 18	1 38	16 41	16 53	11 55	11 32	0 8	4 48	5 38
S 13	23 32	4 7	2 15	18 6	3 40	12 59	2 59	0 16	2 22	19 18	0 47	5 40	2 26	23 12	0 8	18 19	1 38	16 40	16 52	11 55	11 31	0 6	4 48	5 38
M14	23 32	7 53	1 15	18 22	3 31	13 17	2 59	0 31	2 23	19 15	0 47	5 41	2 26	23 12	0 8	18 19	1 38	16 39	16 52	11 55	11 30	0 4	4 48	5 38
T 15	23 32	11 23	0 11	18 38	3 21	13 34	2 59	0 47	2 23	19 12	0 47	5 43	2 26	23 11	0 8	18 20	1 38	16 39	16 51	11 55	11 29	0 2	4 48	5 39
W16	23 32	14 27	0s55	18 56	3 11	13 52	2 59	1 2	2 24	19 9	0 47	5 44	2 26	23 11	0 8	18 20	1 38	16 38	16 51	11 55	11 27	0 0	4 48	5 39
T 17	23 31	16 56	1 59	19 14	3 0	14 10	2 58	1 17	2 24	19 6	0 47	5 45	2 27	23 11	0 8	18 20	1 38	16 37	16 50	11 54	11 26	0n 2	4 48	5 39
F 18	23 30	18 37	2 59	19 34	2 48	14 27	2 58	1 33	2 25	19 3	0 47	5 47	2 27	23 11	0 8	18 21	1 38	16 37	16 50	11 53	11 25	0 4	4 48	5 39
S 19	23 28	19 20	3 51	19 54	2 36	14 44	2 58	1 48	2 25	19 0	0 47	5 48	2 27	23 11	0 8	18 21	1 38	16 36	16 49	11 50	11 24	0 6	4 49	5 40
S 20	23 26	18 58	4 31	20 14	2 24	15 1	2 57	2 3	2 26	18 56	0 47	5 49	2 27	23 10	0 8	18 22	1 38	16 35	16 49	11 47	11 23	0 8	4 49	5 40
M21	23 23	17 27	4 56	20 34	2 12	15 18	2 56	2 18	2 26	18 53	0 47	5 50	2 28	23 10	0 8	18 22	1 38	16 34	16 48	11 43	11 22	0 10	4 49	5 40
T 22	23 21	14 51	5 3	20 55	1 59	15 35	2 55	2 33	2 27	18 50	0 47	5 51	2 28	23 10	0 8	18 22	1 38	16 34	16 48	11 40	11 21	0 12	4 49	5 40
W23	23 17	11 20	4 51	21 15	1 46	15 52	2 54	2 48	2 27	18 47	0 47	5 52	2 28	23 10	0 8	18 23	1 38	16 33	16 47	11 37	11 20	0 14	4 49	5 41
T 24	23 13	7 9	4 21	21 35	1 33	16 8	2 53	3 3	2 28	18 44	0 47	5 53	2 28	23 10	0 8	18 23	1 38	16 32	16 47	11 34	11 18	0 16	4 50	5 41
F 25	23 9	2 34	3 35	21 55	1 20	16 25	2 52	3 18	2 28	18 41	0 47	5 54	2 29	23 9	0 8	18 23	1 38	16 31	16 46	11 33	11 17	0 18	4 50	5 41
S 26	23 5	2s 9	2 35	22 14	1 6	16 41	2 51	3 32	2 29	18 37	0 47	5 55	2 29	23 9	0 8	18 24	1 38	16 30	16 46	11 32	11 16	0 19	4 50	5 41
S 27	23 0	6 43	1 26	22 31	0 53	16 57	2 49	3 47	2 29	18 34	0 47	5 56	2 29	23 9	0 8	18 24	1 38	16 30	16 45	11 32	11 15	0 21	4 51	5 42
M28	22 55	10 52	0 13	22 48	0 40	17 12	2 48	4 1	2 29	18 31	0 47	5 57	2 29	23 9	0 8	18 25	1 38	16 29	16 45	11 32	11 14	0 23	4 51	5 42
T 29	22 49	14 22	1n 0	23 3	0 28	17 27	2 46	4 15	2 30	18 27	0 47	5 58	2 30	23 9	0 8	18 25	1 38	16 28	16 44	11 32	11 13	0 25	4 51	5 42
W30	22n43	17s 2	2n 9	23n17	0s15	17n43	2s44	4n30	2s30	18n24	0n47	5n59	2s30	23s 9	0s 8	18n25	1s38	16n27	16n44	11s31	11s12	0n27	4s52	5n42

Julian Day Number = 2171197.5, Delta T = 12m18s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'12, Lahiri = 13°09'12 Julian Calendar 1 June 1232 == Greg. Calendar 8 June 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

JULY 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 5 9	15♋44'42	8♐37	1♋21	1♊49	17♈54	10♌49	21♈13	18°R10	29♉ 3	27♍ 7	29°R55	29♎ 2	24♓30	3°R43	T 1
F 2	19 9 5	16°41'56	21°58	3°15	2°53	18°32	11° 2	21°16	18♐ 8	29° 4	27° 8	29♎48	28°59	24°37	3♓41	F 2
S 3	19 13 2	17°39'11	5♑ 7	5°11	3°58	19°10	11°14	21°19	18° 6	29° 6	27° 9	29°38	28°56	24°44	3°39	S 3
S 4	19 16 58	18°36'26	18° 4	7°10	5° 3	19°47	11°27	21°21	18° 4	29° 8	27°11	29°26	28°53	24°50	3°37	S 4
M 5	19 20 55	19°33'41	0♒46	9°11	6° 9	20°24	11°39	21°23	18° 2	29° 9	27°12	29°14	28°49	24°57	3°36	M 5
T 6	19 24 51	20°30'58	13°15	11°13	7°14	21° 2	11°52	21°26	18° 0	29°11	27°13	29° 1	28°46	25° 4	3°34	T 6
W 7	19 28 48	21°28'15	25°31	13°17	8°20	21°38	12° 4	21°28	17°58	29°12	27°14	28°50	28°43	25°10	3°32	W 7
T 8	19 32 44	22°25'33	7♓35	15°22	9°26	22°15	12°17	21°30	17°56	29°14	27°15	28°41	28°40	25°17	3°30	T 8
F 9	19 36 41	23°22'52	19°30	17°27	10°32	22°52	12°30	21°32	17°54	29°15	27°16	28°35	28°37	25°24	3°28	F 9
S 10	19 40 38	24°20'12	1♈20	19°34	11°38	23°28	12°43	21°34	17°52	29°17	27°18	28°31	28°34	25°30	3°26	S 10
S 11	19 44 34	25°17'33	13° 8	21°40	12°44	24° 4	12°55	21°36	17°51	29°18	27°19	28°30	28°30	25°37	3°24	S 11
M12	19 48 31	26°14'55	25° 2	23°46	13°51	24°40	13° 8	21°37	17°49	29°20	27°20	28°29	28°27	25°44	3°22	M12
T 13	19 52 27	27°12'19	7♉ 4	25°52	14°58	25°16	13°21	21°39	17°47	29°21	27°22	28°29	28°24	25°50	3°19	T 13
W14	19 56 24	28° 9'43	19°22	27°57	16° 4	25°51	13°34	21°40	17°45	29°22	27°23	28°28	28°21	25°57	3°17	W14
T 15	20 0 20	29° 7'09	2♊ 0	0♌ 1	17°11	26°26	13°47	21°42	17°44	29°24	27°25	28°26	28°18	26° 4	3°15	T 15
F 16	20 4 17	0♌ 4'36	15° 2	2° 5	18°19	27° 1	13°59	21°43	17°42	29°25	27°26	28°20	28°14	26°10	3°13	F 16
S 17	20 8 13	1° 2'04	28°30	4° 7	19°26	27°36	14°12	21°44	17°41	29°26	27°27	28°13	28°11	26°17	3°10	S 17
S 18	20 12 10	1°59'34	12♋24	6° 9	20°33	28°10	14°25	21°45	17°39	29°27	27°29	28° 3	28° 8	26°24	3° 8	S 18
M19	20 16 7	2°57'05	26°42	8° 9	21°41	28°45	14°38	21°46	17°38	29°29	27°30	27°51	28° 5	26°30	3° 6	M19
T 20	20 20 3	3°54'36	11♌17	10° 7	22°49	29°19	14°51	21°47	17°36	29°30	27°32	27°40	28° 2	26°37	3° 3	T 20
W21	20 24 0	4°52'09	26° 3	12° 5	23°57	29°52	15° 4	21°47	17°35	29°31	27°34	27°30	27°59	26°44	3° 1	W21
T 22	20 27 56	5°49'43	10♍51	14° 0	25° 5	0♉26	15°17	21°48	17°33	29°32	27°35	27°22	27°55	26°50	2°58	T 22
F 23	20 31 53	6°47'18	25°33	15°55	26°13	0°59	15°30	21°49	17°32	29°33	27°37	27°17	27°52	26°57	2°56	F 23
S 24	20 35 49	7°44'53	10♎ 4	17°48	27°21	1°31	15°43	21°49	17°31	29°34	27°38	27°14	27°49	27° 4	2°53	S 24
S 25	20 39 46	8°42'30	24°20	19°39	28°30	2° 4	15°56	21°49	17°30	29°35	27°40	27°D13	27°46	27°10	2°51	S 25
M26	20 43 42	9°40'08	8♏19	21°29	29°38	2°36	16° 9	21°49	17°28	29°36	27°42	27°R13	27°43	27°17	2°48	M26
T 27	20 47 39	10°37'46	22° 3	23°17	0♋47	3° 8	16°22	21°R50	17°27	29°37	27°44	27°13	27°39	27°24	2°45	T 27
W28	20 51 36	11°35'26	5♐30	25° 4	1°56	3°40	16°35	21°50	17°26	29°38	27°45	27°11	27°36	27°30	2°43	W28
T 29	20 55 32	12°33'07	18°44	26°50	3° 5	4°11	16°48	21°49	17°25	29°39	27°47	27° 6	27°33	27°37	2°40	T 29
F 30	20 59 29	13°30'49	1♑45	28°34	4°14	4°42	17° 1	21°49	17°24	29°40	27°49	26°59	27°30	27°44	2°37	F 30
S 31	21 3 25	14♌28'32	14♑34	0♍17	5♋23	5♉13	17♌15	21♈49	17♐23	29♉41	27♍51	26♎50	27♎27	27♓50	2♓35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n36	18s43	3n 9	23n29	0s 3	17n57	2s42	4n44	2s31	18n21	0n47	6n 0	2s30	23s 8	0s 8	18n26	1s38	16n26	16n43	11s29	11s11	0n29	4s52	5n42
F 2	22 29	19 19	3 58	23 39	0n 9	18 12	2 41	4 58	2 31	18 17	0 47	6 0	2 30	23 8	0 8	18 26	1 38	16 25	16 43	11 27	11 9	0 31	4 52	5 43
S 3	22 22	18 52	4 34	23 46	0 20	18 26	2 39	5 12	2 31	18 14	0 47	6 1	2 31	23 8	0 8	18 26	1 38	16 25	16 42	11 23	11 8	0 33	4 53	5 43
S 4	22 14	17 26	4 55	23 51	0 31	18 40	2 36	5 26	2 32	18 10	0 47	6 2	2 31	23 8	0 8	18 26	1 39	16 24	16 42	11 19	11 7	0 35	4 53	5 43
M 5	22 6	15 10	5 1	23 54	0 41	18 53	2 34	5 39	2 32	18 7	0 47	6 2	2 31	23 8	0 8	18 27	1 39	16 23	16 41	11 15	11 6	0 37	4 54	5 43
T 6	21 58	12 15	4 52	23 54	0 51	19 6	2 32	5 53	2 32	18 3	0 47	6 3	2 31	23 7	0 8	18 27	1 39	16 22	16 41	11 10	11 5	0 39	4 54	5 43
W 7	21 49	8 50	4 29	23 52	1 0	19 19	2 30	6 7	2 33	18 0	0 47	6 3	2 32	23 7	0 8	18 27	1 39	16 21	16 40	11 6	11 4	0 41	4 55	5 44
T 8	21 40	5 7	3 55	23 46	1 8	19 32	2 27	6 20	2 33	17 56	0 47	6 4	2 32	23 7	0 8	18 28	1 39	16 20	16 40	11 3	11 3	0 43	4 55	5 44
F 9	21 30	1 15	3 11	23 38	1 15	19 44	2 25	6 33	2 33	17 53	0 47	6 4	2 32	23 7	0 8	18 28	1 39	16 19	16 39	11 1	11 1	0 45	4 56	5 44
S 10	21 20	2n39	2 19	23 27	1 22	19 55	2 22	6 47	2 33	17 49	0 47	6 5	2 33	23 7	0 8	18 28	1 39	16 18	16 39	11 0	11 0	0 47	4 56	5 44
S 11	21 10	6 27	1 20	23 14	1 28	20 6	2 20	7 0	2 34	17 45	0 47	6 5	2 33	23 7	0 8	18 29	1 39	16 17	16 39	10 59	10 59	0 49	4 57	5 44
M12	20 59	10 1	0 18	22 57	1 33	20 17	2 17	7 12	2 34	17 42	0 47	6 6	2 33	23 7	0 8	18 29	1 39	16 16	16 38	10 59	10 58	0 51	4 58	5 44
T 13	20 48	13 13	0s45	22 39	1 37	20 27	2 14	7 25	2 34	17 38	0 47	6 6	2 33	23 6	0 8	18 29	1 39	16 15	16 38	10 59	10 57	0 53	4 58	5 45
W14	20 37	15 54	1 48	22 18	1 40	20 37	2 12	7 38	2 34	17 35	0 47	6 6	2 34	23 6	0 8	18 29	1 39	16 15	16 37	10 58	10 56	0 55	4 59	5 45
T 15	20 25	17 55	2 48	21 54	1 43	20 47	2 9	7 51	2 34	17 31	0 47	6 7	2 34	23 6	0 8	18 30	1 39	16 14	16 37	10 58	10 55	0 57	5 0	5 45
F 16	20 13	19 3	3 40	21 29	1 45	20 56	2 6	8 3	2 35	17 27	0 47	6 7	2 34	23 6	0 8	18 30	1 39	16 13	16 36	10 56	10 54	0 59	5 0	5 45
S 17	20 1	19 10	4 22	21 1	1 46	21 4	2 3	8 15	2 35	17 23	0 47	6 7	2 34	23 6	0 8	18 30	1 39	16 12	16 36	10 53	10 52	1 1	5 1	5 45
S 18	19 48	18 9	4 50	20 32	1 47	21 12	2 0	8 27	2 35	17 20	0 47	6 7	2 35	23 6	0 8	18 30	1 39	16 11	16 36	10 49	10 51	1 3	5 2	5 45
M19	19 35	15 59	5 1	20 1	1 47	21 20	1 57	8 39	2 35	17 16	0 48	6 7	2 35	23 6	0 8	18 30	1 39	16 10	16 35	10 45	10 50	1 5	5 2	5 45
T 20	19 21	12 46	4 52	19 29	1 46	21 27	1 54	8 51	2 35	17 12	0 48	6 7	2 35	23 5	0 8	18 31	1 39	16 9	16 35	10 41	10 49	1 7	5 3	5 46
W21	19 8	8 44	4 25	18 55	1 45	21 33	1 51	9 3	2 35	17 8	0 48	6 7	2 36	23 5	0 8	18 31	1 39	16 8	16 34	10 37	10 48	1 9	5 4	5 46
T 22	18 53	4 9	3 39	18 20	1 43	21 39	1 48	9 15	2 35	17 5	0 48	6 7	2 36	23 5	0 8	18 31	1 39	16 7	16 34	10 35	10 47	1 11	5 5	5 46
F 23	18 39	0s40	2 39	17 44	1 40	21 45	1 44	9 26	2 35	17 1	0 48	6 7	2 36	23 5	0 8	18 31	1 39	16 6	16 34	10 33	10 46	1 13	5 5	5 46
S 24	18 24	5 22	1 30	17 6	1 37	21 50	1 41	9 37	2 35	16 57	0 48	6 7	2 36	23 5	0 8	18 31	1 39	16 5	16 33	10 32	10 44	1 15	5 6	5 46
S 25	18 9	9 42	0 15	16 28	1 34	21 54	1 38	9 49	2 35	16 53	0 48	6 7	2 37	23 5	0 8	18 32	1 39	16 4	16 33	10 31	10 43	1 17	5 7	5 46
M26	17 54	13 25	0n59	15 49	1 30	21 58	1 35	10 0	2 35	16 49	0 48	6 7	2 37	23 5	0 8	18 32	1 39	16 3	16 32	10 31	10 42	1 19	5 8	5 46
T 27	17 39	16 18	2 8	15 9	1 26	22 1	1 31	10 11	2 35	16 45	0 48	6 6	2 37	23 5	0 8	18 32	1 39	16 2	16 32	10 31	10 41	1 21	5 9	5 46
W28	17 23	18 13	3 8	14 29	1 21	22 4	1 28	10 21	2 35	16 41	0 48	6 6	2 38	23 4	0 8	18 32	1 40	16 1	16 32	10 31	10 40	1 23	5 10	5 46
T 29	17 6	19 7	3 57	13 48	1 16	22 6	1 24	10 32	2 35	16 38	0 48	6 6	2 38	23 4	0 8	18 32	1 40	16 0	16 31	10 29	10 39	1 24	5 10	5 46
F 30	16 50	18 58	4 33	13 7	1 10	22 7	1 21	10 42	2 35	16 34	0 48	6 6	2 38	23 4	0 8	18 32	1 40	15 59	16 31	10 26	10 38	1 26	5 11	5 47
S 31	16n33	17s51	4n55	12n25	1n 4	22n 8	1s18	10n53	2s35	16n30	0n48	6n 5	2s38	23s 4	0s 8	18n33	1s40	15n58	16n31	10s23	10s36	1n28	5s12	5n47

Julian Day Number = 2171227.5, Delta T = 12m18s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'16, Lahiri = 13°09'16 Julian Calendar 1 July 1232 == Greg. Calendar 8 July 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

AUGUST 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 7 22	15♌26'16	27♏12	1♍58	6♋32	5♉43	17♌28	21°R48	17°R22	29♉42	27♍52	26°R38	27♎24	27♓57	2°R32	S 1
M 2	21 11 18	16°24'02	9♒38	3°38	7°41	6°13	17°41	21♈48	17♐21	29°43	27°54	26♎26	27°20	28° 4	2♓29	M 2
T 3	21 15 15	17°21'49	21°54	5°16	8°51	6°43	17°54	21°47	17°20	29°44	27°56	26°14	27°17	28°10	2°27	T 3
W 4	21 19 11	18°19'37	4♓ 0	6°53	10° 0	7°12	18° 7	21°47	17°20	29°44	27°58	26° 3	27°14	28°17	2°24	W 4
T 5	21 23 8	19°17'27	15°58	8°29	11°10	7°41	18°20	21°46	17°19	29°45	28° 0	25°54	27°11	28°24	2°21	T 5
F 6	21 27 5	20°15'19	27°49	10° 3	12°20	8°10	18°33	21°45	17°18	29°46	28° 2	25°48	27° 8	28°30	2°18	F 6
S 7	21 31 1	21°13'12	9♈37	11°36	13°30	8°38	18°46	21°44	17°18	29°46	28° 4	25°45	27° 5	28°37	2°15	S 7
S 8	21 34 58	22°11'08	21°24	13° 7	14°40	9° 6	18°59	21°42	17°17	29°47	28° 6	25°D43	27° 1	28°44	2°12	S 8
M 9	21 38 54	23° 9'05	3♉16	14°38	15°50	9°33	19°12	21°41	17°16	29°48	28° 8	25°43	26°58	28°50	2°10	M 9
T 10	21 42 51	24° 7'04	15°18	16° 6	17° 1	10° 0	19°25	21°40	17°16	29°48	28°10	25°44	26°55	28°57	2° 7	T 10
W11	21 46 47	25° 5'04	27°34	17°34	18°11	10°27	19°38	21°38	17°15	29°49	28°12	25°R44	26°52	29° 4	2° 4	W11
T 12	21 50 44	26° 3'07	10♊10	19° 0	19°21	10°53	19°51	21°37	17°15	29°49	28°14	25°43	26°49	29°10	2° 1	T 12
F 13	21 54 40	27° 1'12	23°10	20°24	20°32	11°18	20° 5	21°35	17°15	29°50	28°16	25°40	26°45	29°17	1°58	F 13
S 14	21 58 37	27°59'19	6♋38	21°48	21°43	11°44	20°18	21°33	17°14	29°50	28°18	25°35	26°42	29°24	1°55	S 14
S 15	22 2 34	28°57'28	20°35	23° 9	22°54	12° 8	20°31	21°31	17°14	29°50	28°20	25°28	26°39	29°30	1°52	S 15
M16	22 6 30	29°55'38	4♌59	24°29	24° 4	12°33	20°44	21°29	17°14	29°51	28°22	25°20	26°36	29°37	1°49	M16
T 17	22 10 27	0♍53'51	19°46	25°48	25°15	12°57	20°57	21°27	17°14	29°51	28°24	25°11	26°33	29°44	1°47	T 17
W18	22 14 23	1°52'05	4♍48	27° 5	26°27	13°20	21°10	21°25	17°14	29°51	28°26	25° 4	26°30	29°50	1°44	W18
T 19	22 18 20	2°50'21	19°55	28°20	27°38	13°43	21°23	21°23	17°D14	29°52	28°28	24°58	26°26	29°57	1°41	T 19
F 20	22 22 16	3°48'39	4♎58	29°34	28°49	14° 5	21°35	21°21	17°14	29°52	28°31	24°54	26°23	0♈ 4	1°38	F 20
S 21	22 26 13	4°46'58	19°48	0♎46	0♌ 0	14°27	21°48	21°18	17°14	29°52	28°33	24°D52	26°20	0°10	1°35	S 21
S 22	22 30 9	5°45'19	4♏19	1°56	1°12	14°48	22° 1	21°16	17°14	29°52	28°35	24°52	26°17	0°17	1°32	S 22
M23	22 34 6	6°43'42	18°29	3° 4	2°23	15° 9	22°14	21°13	17°14	29°52	28°37	24°53	26°14	0°24	1°29	M23
T 24	22 38 2	7°42'06	2♐16	4°10	3°35	15°29	22°27	21°10	17°14	29°52	28°39	24°R54	26°11	0°30	1°26	T 24
W25	22 41 59	8°40'32	15°41	5°13	4°47	15°48	22°40	21° 7	17°15	29°52	28°42	24°54	26° 7	0°37	1°23	W25
T 26	22 45 56	9°39'00	28°47	6°15	5°59	16° 7	22°53	21° 4	17°15	29°R53	28°44	24°52	26° 4	0°44	1°21	T 26
F 27	22 49 52	10°37'29	11♑36	7°13	7°10	16°26	23° 5	21° 2	17°15	29°53	28°46	24°49	26° 1	0°50	1°18	F 27
S 28	22 53 49	11°36'00	24°11	8°10	8°22	16°44	23°18	20°58	17°16	29°52	28°48	24°43	25°58	0°57	1°15	S 28
S 29	22 57 45	12°34'32	6♒34	9° 3	9°34	17° 1	23°31	20°55	17°16	29°52	28°51	24°36	25°55	1° 4	1°12	S 29
M30	23 1 42	13°33'06	18°46	9°53	10°46	17°17	23°44	20°52	17°17	29°52	28°53	24°29	25°51	1°10	1° 9	M30
T 31	23 5 38	14♍31'42	0♓50	10♎40	11♌59	17♉33	23♌56	20♈49	17♐17	29♉52	28♍55	24♎21	25♎48	1♈17	1♓ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n16	15s52	5n 2	11n44	0n58	22n 8	1s14	11n 3	2s35	16n26	0n48	6n 5	2s39	23s 4	0s 8	18n33	1s40	15n57	16n30	10s19	10s35	1n30	5s13	5n47
M 2	15 59	13 11	4 54	11 1	0 52	22 8	1 11	11 13	2 35	16 22	0 48	6 4	2 39	23 4	0 8	18 33	1 40	15 56	16 30	10 14	10 34	1 32	5 14	5 47
T 3	15 42	9 58	4 33	10 19	0 45	22 7	1 7	11 23	2 35	16 18	0 48	6 4	2 39	23 4	0 8	18 33	1 40	15 55	16 30	10 10	10 33	1 34	5 15	5 47
W 4	15 24	6 22	3 59	9 37	0 38	22 6	1 4	11 32	2 34	16 14	0 48	6 3	2 39	23 4	0 8	18 33	1 40	15 53	16 29	10 6	10 32	1 36	5 16	5 47
T 5	15 6	2 34	3 15	8 54	0 31	22 4	1 0	11 42	2 34	16 10	0 48	6 3	2 40	23 4	0 8	18 33	1 40	15 52	16 29	10 3	10 31	1 38	5 17	5 47
F 6	14 48	1n19	2 23	8 12	0 24	22 1	0 57	11 51	2 34	16 6	0 49	6 2	2 40	23 4	0 8	18 33	1 40	15 51	16 29	10 1	10 30	1 40	5 18	5 47
S 7	14 29	5 7	1 25	7 29	0 16	21 58	0 53	12 0	2 34	16 2	0 49	6 1	2 40	23 4	0 8	18 33	1 40	15 50	16 28	9 59	10 28	1 42	5 19	5 47
S 8	14 10	8 44	0 23	6 47	0 8	21 54	0 50	12 10	2 34	15 58	0 49	6 1	2 40	23 4	0 8	18 33	1 40	15 49	16 28	9 59	10 27	1 44	5 20	5 47
M 9	13 51	12 1	0s40	6 5	0 0	21 50	0 46	12 18	2 33	15 54	0 49	6 0	2 41	23 4	0 8	18 33	1 40	15 48	16 28	9 59	10 26	1 46	5 21	5 47
T 10	13 32	14 51	1 43	5 23	0s 8	21 44	0 43	12 27	2 33	15 50	0 49	5 59	2 41	23 4	0 8	18 34	1 40	15 47	16 28	9 59	10 25	1 48	5 22	5 47
W11	13 13	17 4	2 42	4 41	0 16	21 39	0 39	12 36	2 33	15 46	0 49	5 59	2 41	23 4	0 8	18 34	1 40	15 46	16 27	9 59	10 24	1 50	5 23	5 47
T 12	12 53	18 31	3 35	4 0	0 24	21 32	0 36	12 44	2 32	15 42	0 49	5 58	2 42	23 3	0 8	18 34	1 40	15 45	16 27	9 59	10 23	1 52	5 24	5 47
F 13	12 33	19 3	4 19	3 19	0 33	21 25	0 32	12 52	2 32	15 38	0 49	5 57	2 42	23 3	0 8	18 34	1 40	15 44	16 27	9 58	10 21	1 54	5 25	5 47
S 14	12 13	18 33	4 50	2 38	0 41	21 18	0 29	13 1	2 32	15 33	0 49	5 56	2 42	23 3	0 8	18 34	1 40	15 43	16 27	9 56	10 20	1 56	5 26	5 47
S 15	11 53	16 56	5 5	1 58	0 50	21 10	0 26	13 9	2 31	15 29	0 49	5 55	2 42	23 3	0 8	18 34	1 40	15 42	16 26	9 53	10 19	1 58	5 27	5 47
M16	11 33	14 13	5 2	1 18	0 58	21 1	0 22	13 16	2 31	15 25	0 49	5 54	2 43	23 3	0 8	18 34	1 41	15 41	16 26	9 50	10 18	2 0	5 28	5 47
T 17	11 12	10 32	4 39	0 39	1 7	20 52	0 19	13 24	2 30	15 21	0 49	5 53	2 43	23 3	0 8	18 34	1 41	15 40	16 26	9 47	10 17	2 1	5 29	5 47
W18	10 51	6 8	3 56	0 0	1 16	20 42	0 15	13 31	2 30	15 17	0 50	5 52	2 43	23 3	0 8	18 34	1 41	15 39	16 26	9 44	10 16	2 3	5 30	5 47
T 19	10 30	1 18	2 57	0s38	1 25	20 31	0 12	13 39	2 29	15 13	0 50	5 51	2 43	23 3	0 8	18 34	1 41	15 38	16 26	9 42	10 15	2 5	5 31	5 47
F 20	10 9	3s35	1 45	1 15	1 33	20 20	0 9	13 46	2 29	15 9	0 50	5 50	2 43	23 3	0 8	18 34	1 41	15 37	16 25	9 41	10 13	2 7	5 32	5 47
S 21	9 48	8 12	0 27	1 52	1 42	20 9	0 5	13 53	2 28	15 5	0 50	5 49	2 44	23 3	0 8	18 34	1 41	15 36	16 25	9 40	10 12	2 9	5 33	5 46
S 22	9 26	12 13	0n51	2 28	1 51	19 56	0 2	14 0	2 28	15 1	0 50	5 48	2 44	23 3	0 8	18 34	1 41	15 35	16 25	9 40	10 11	2 11	5 35	5 46
M23	9 5	15 25	2 4	3 3	1 59	19 44	0n 1	14 6	2 27	14 57	0 50	5 46	2 44	23 3	0 8	18 34	1 41	15 34	16 25	9 41	10 10	2 13	5 36	5 46
T 24	8 43	17 37	3 8	3 37	2 8	19 30	0 4	14 13	2 26	14 52	0 50	5 45	2 44	23 3	0 8	18 34	1 41	15 33	16 25	9 41	10 9	2 15	5 37	5 46
W25	8 21	18 47	4 0	4 10	2 16	19 16	0 8	14 19	2 26	14 48	0 50	5 44	2 45	23 3	0 8	18 34	1 41	15 32	16 24	9 41	10 8	2 17	5 38	5 46
T 26	7 59	18 54	4 38	4 42	2 25	19 2	0 11	14 25	2 25	14 44	0 50	5 43	2 45	23 3	0 8	18 34	1 41	15 31	16 24	9 40	10 6	2 19	5 39	5 46
F 27	7 37	18 2	5 1	5 13	2 33	18 47	0 14	14 31	2 24	14 40	0 50	5 41	2 45	23 4	0 8	18 34	1 41	15 30	16 24	9 39	10 5	2 21	5 40	5 46
S 28	7 14	16 17	5 9	5 42	2 41	18 31	0 17	14 37	2 23	14 36	0 50	5 40	2 45	23 4	0 8	18 34	1 41	15 29	16 24	9 37	10 4	2 23	5 41	5 46
S 29	6 52	13 49	5 3	6 11	2 48	18 15	0 20	14 43	2 22	14 32	0 51	5 39	2 45	23 4	0 8	18 33	1 41	15 28	16 24	9 34	10 3	2 25	5 42	5 46
M30	6 30	10 47	4 42	6 37	2 56	17 58	0 23	14 48	2 22	14 28	0 51	5 37	2 46	23 4	0 8	18 33	1 41	15 27	16 24	9 31	10 2	2 27	5 43	5 46
T 31	6n 7	7s20	4n 9	7s 2	3s 3	17n41	0n26	14n53	2s21	14n24	0n51	5n36	2s46	23s 4	0s 8	18n33	1s41	15n26	16n24	9s29	10s 1	2n28	5s44	5n45

Julian Day Number = 2171258.5, Delta T = 12m17s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'20, Lahiri = 13°09'20 Julian Calendar 1 Aug. 1232 == Greg. Calendar 8 Aug. 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

SEPTEMBER 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 9 35	15♍30'20	12♓47	11♎23	13♌11	17♉49	24♌ 9	20°R45	17♐18	29°R52	28♍57	24°R14	25♎45	1♈24	1°R 4	W 1
T 2	23 13 31	16°29'00	24°39	12° 2	14°23	18° 3	24°21	20♈42	17°18	29♉52	29° 0	24♎ 9	25°42	1°30	1♓ 1	T 2
F 3	23 17 28	17°27'42	6♈28	12°38	15°36	18°17	24°34	20°38	17°19	29°51	29° 2	24° 6	25°39	1°37	0°58	F 3
S 4	23 21 25	18°26'26	18°15	13° 8	16°48	18°31	24°47	20°35	17°20	29°51	29° 4	24° 4	25°36	1°44	0°55	S 4
S 5	23 25 21	19°25'13	0♉ 4	13°34	18° 1	18°43	24°59	20°31	17°21	29°51	29° 7	24°D 4	25°32	1°50	0°53	S 5
M 6	23 29 18	20°24'01	11°58	13°55	19°14	18°55	25°11	20°27	17°22	29°51	29° 9	24° 5	25°29	1°57	0°50	M 6
T 7	23 33 14	21°22'52	24° 1	14°10	20°26	19° 6	25°24	20°23	17°23	29°50	29°11	24° 7	25°26	2° 3	0°47	T 7
W 8	23 37 11	22°21'45	6♊17	14°19	21°39	19°16	25°36	20°19	17°24	29°50	29°14	24° 9	25°23	2°10	0°45	W 8
T 9	23 41 7	23°20'40	18°51	14°R21	22°52	19°26	25°48	20°15	17°25	29°49	29°16	24°R10	25°20	2°17	0°42	T 9
F 10	23 45 4	24°19'38	1♋47	14°17	24° 5	19°35	26° 1	20°11	17°26	29°49	29°18	24°10	25°16	2°23	0°39	F 10
S 11	23 49 0	25°18'38	15° 9	14° 6	25°18	19°43	26°13	20° 7	17°27	29°48	29°20	24° 8	25°13	2°30	0°37	S 11
S 12	23 52 57	26°17'40	28°58	13°47	26°31	19°50	26°25	20° 3	17°28	29°48	29°23	24° 5	25°10	2°37	0°34	S 12
M13	23 56 54	27°16'45	13♌16	13°20	27°44	19°56	26°37	19°59	17°29	29°47	29°25	24° 2	25° 7	2°43	0°32	M13
T 14	0 0 50	28°15'52	27°58	12°46	28°58	20° 2	26°49	19°55	17°30	29°47	29°28	23°58	25° 4	2°50	0°29	T 14
W15	0 4 47	29°15'01	13♍ 0	12° 4	0♍11	20° 7	27° 1	19°50	17°32	29°46	29°30	23°55	25° 1	2°57	0°27	W15
T 16	0 8 43	0♎14'12	28°13	11°15	1°24	20°11	27°13	19°46	17°33	29°45	29°32	23°52	24°57	3° 3	0°25	T 16
F 17	0 12 40	1°13'26	13♎26	10°19	2°38	20°14	27°25	19°42	17°35	29°45	29°35	23°51	24°54	3°10	0°22	F 17
S 18	0 16 36	2°12'41	28°30	9°17	3°51	20°16	27°37	19°37	17°36	29°44	29°37	23°D51	24°51	3°17	0°20	S 18
S 19	0 20 33	3°11'59	13♏17	8°10	5° 5	20°17	27°49	19°33	17°38	29°43	29°39	23°52	24°48	3°23	0°17	S 19
M20	0 24 29	4°11'18	27°41	7° 0	6°19	20°R17	28° 1	19°28	17°39	29°42	29°42	23°53	24°45	3°30	0°15	M20
T 21	0 28 26	5°10'39	11♐40	5°49	7°32	20°17	28°12	19°24	17°41	29°42	29°44	23°54	24°42	3°37	0°13	T 21
W22	0 32 22	6°10'02	25°12	4°38	8°46	20°16	28°24	19°19	17°42	29°41	29°46	23°55	24°38	3°43	0°11	W22
T 23	0 36 19	7° 9'27	8♑20	3°29	10° 0	20°13	28°35	19°14	17°44	29°40	29°49	23°R55	24°35	3°50	0° 9	T 23
F 24	0 40 16	8° 8'53	21° 6	2°25	11°14	20°10	28°47	19°10	17°46	29°39	29°51	23°55	24°32	3°57	0° 7	F 24
S 25	0 44 12	9° 8'21	3♒35	1°27	12°27	20° 6	28°58	19° 5	17°48	29°38	29°53	23°54	24°29	4° 3	0° 4	S 25
S 26	0 48 9	10° 7'51	15°49	0°37	13°41	20° 1	29°10	19° 0	17°50	29°37	29°55	23°52	24°26	4°10	0° 2	S 26
M27	0 52 5	11° 7'23	27°52	29♍57	14°55	19°55	29°21	18°55	17°51	29°36	29°58	23°50	24°22	4°17	0° 0	M27
T 28	0 56 2	12° 6'57	9♓48	29°26	16° 9	19°49	29°32	18°51	17°53	29°35	0♎ 0	23°48	24°19	4°23	29♒59	T 28
W29	0 59 58	13° 6'32	21°38	29° 7	17°24	19°41	29°43	18°46	17°55	29°34	0° 2	23°47	24°16	4°30	29°57	W29
T 30	1 3 55	14♎ 6'10	3♈27	28°D58	18♍38	19♉33	29♌54	18♈41	17♐57	29♉33	0♎ 5	23♎46	24♎13	4♈37	29♒55	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n44	3s37	3n26	7s26	3s10	17n23	0n29	14n58	2s20	14n20	0n51	5n34	2s46	23s 4	0s 8	18n33	1s41	15n25	16n24	9s26	9s59	2n30	5s46	5n45
T 2	5 21	0n13	2 34	7 47	3 16	17 5	0 32	15 3	2 19	14 15	0 51	5 33	2 46	23 4	0 8	18 33	1 41	15 24	16 24	9 24	9 58	2 32	5 47	5 45
F 3	4 58	4 1	1 35	8 7	3 22	16 46	0 34	15 8	2 18	14 11	0 51	5 31	2 46	23 4	0 8	18 33	1 41	15 23	16 23	9 23	9 57	2 34	5 48	5 45
S 4	4 35	7 40	0 32	8 24	3 28	16 27	0 37	15 13	2 17	14 7	0 51	5 30	2 46	23 4	0 8	18 33	1 41	15 22	16 23	9 22	9 56	2 36	5 49	5 45
S 5	4 12	11 2	0s33	8 38	3 33	16 8	0 40	15 17	2 16	14 3	0 51	5 28	2 47	23 4	0 8	18 33	1 42	15 21	16 23	9 22	9 55	2 38	5 50	5 45
M 6	3 49	13 57	1 37	8 50	3 37	15 47	0 43	15 22	2 15	13 59	0 51	5 27	2 47	23 4	0 8	18 33	1 42	15 20	16 23	9 23	9 54	2 40	5 51	5 44
T 7	3 26	16 19	2 37	8 59	3 40	15 27	0 45	15 26	2 13	13 55	0 52	5 25	2 47	23 4	0 8	18 33	1 42	15 19	16 23	9 23	9 53	2 42	5 52	5 44
W 8	3 3	17 59	3 31	9 5	3 43	15 6	0 48	15 30	2 12	13 51	0 52	5 24	2 47	23 4	0 8	18 32	1 42	15 18	16 23	9 24	9 51	2 44	5 53	5 44
T 9	2 39	18 48	4 17	9 8	3 44	14 44	0 50	15 33	2 11	13 47	0 52	5 22	2 47	23 4	0 8	18 32	1 42	15 17	16 23	9 24	9 50	2 46	5 54	5 44
F 10	2 16	18 41	4 51	9 6	3 45	14 22	0 53	15 37	2 10	13 43	0 52	5 20	2 47	23 5	0 8	18 32	1 42	15 16	16 23	9 24	9 49	2 48	5 55	5 44
S 11	1 52	17 32	5 10	9 1	3 44	14 0	0 55	15 41	2 8	13 39	0 52	5 19	2 48	23 5	0 8	18 32	1 42	15 15	16 23	9 24	9 48	2 50	5 56	5 43
S 12	1 29	15 20	5 13	8 52	3 42	13 37	0 57	15 44	2 7	13 35	0 52	5 17	2 48	23 5	0 8	18 32	1 42	15 14	16 23	9 23	9 47	2 51	5 58	5 43
M13	1 5	12 10	4 57	8 38	3 38	13 14	1 0	15 47	2 6	13 31	0 52	5 15	2 48	23 5	0 8	18 32	1 42	15 13	16 23	9 22	9 46	2 53	5 59	5 43
T 14	0 42	8 9	4 21	8 19	3 33	12 51	1 2	15 50	2 4	13 27	0 53	5 14	2 48	23 5	0 8	18 31	1 42	15 12	16 23	9 20	9 44	2 55	6 0	5 43
W15	0 18	3 32	3 26	7 56	3 26	12 27	1 4	15 53	2 3	13 23	0 53	5 12	2 48	23 5	0 8	18 31	1 42	15 11	16 23	9 19	9 43	2 57	6 1	5 43
T 16	0s 6	1s22	2 17	7 29	3 17	12 3	1 6	15 55	2 1	13 19	0 53	5 10	2 48	23 5	0 8	18 31	1 42	15 10	16 23	9 18	9 42	2 59	6 2	5 42
F 17	0 29	6 12	0 57	6 57	3 6	11 38	1 8	15 57	1 59	13 15	0 53	5 8	2 48	23 5	0 8	18 31	1 42	15 9	16 23	9 18	9 41	3 1	6 3	5 42
S 18	0 53	10 35	0n26	6 20	2 53	11 13	1 10	16 0	1 58	13 11	0 53	5 7	2 48	23 6	0 8	18 31	1 42	15 9	16 23	9 17	9 40	3 3	6 4	5 42
S 19	1 17	14 13	1 45	5 41	2 38	10 48	1 12	16 2	1 56	13 7	0 53	5 5	2 48	23 6	0 8	18 31	1 42	15 8	16 23	9 18	9 39	3 5	6 5	5 42
M20	1 40	16 52	2 56	4 58	2 22	10 22	1 13	16 3	1 54	13 3	0 53	5 3	2 49	23 6	0 8	18 30	1 42	15 7	16 23	9 18	9 37	3 7	6 6	5 41
T 21	2 4	18 24	3 55	4 13	2 4	9 56	1 15	16 5	1 52	12 59	0 53	5 1	2 49	23 6	0 8	18 30	1 42	15 6	16 23	9 19	9 36	3 9	6 7	5 41
W22	2 28	18 49	4 38	3 27	1 45	9 30	1 17	16 7	1 50	12 55	0 54	4 59	2 49	23 6	0 8	18 30	1 42	15 5	16 23	9 19	9 35	3 10	6 8	5 41
T 23	2 51	18 12	5 5	2 42	1 25	9 4	1 18	16 8	1 48	12 51	0 54	4 58	2 49	23 6	0 8	18 30	1 42	15 4	16 24	9 19	9 34	3 12	6 9	5 41
F 24	3 15	16 40	5 16	1 57	1 5	8 37	1 20	16 9	1 46	12 47	0 54	4 56	2 49	23 6	0 8	18 29	1 42	15 3	16 24	9 19	9 33	3 14	6 10	5 40
S 25	3 38	14 22	5 12	1 15	0 44	8 10	1 21	16 10	1 44	12 43	0 54	4 54	2 49	23 7	0 8	18 29	1 42	15 3	16 24	9 19	9 31	3 16	6 11	5 40
S 26	4 2	11 29	4 54	0 37	0 24	7 43	1 23	16 11	1 42	12 40	0 54	4 52	2 49	23 7	0 8	18 29	1 43	15 2	16 24	9 18	9 30	3 18	6 12	5 40
M27	4 25	8 9	4 23	0 2	0 4	7 15	1 24	16 11	1 40	12 36	0 54	4 50	2 49	23 7	0 8	18 29	1 43	15 1	16 24	9 17	9 29	3 20	6 13	5 40
T 28	4 48	4 31	3 41	0n27	0n15	6 47	1 25	16 11	1 38	12 32	0 55	4 48	2 49	23 7	0 8	18 28	1 43	15 0	16 24	9 17	9 28	3 22	6 14	5 39
W29	5 12	0 44	2 49	0 51	0 32	6 20	1 26	16 12	1 36	12 28	0 55	4 47	2 49	23 7	0 8	18 28	1 43	14 59	16 24	9 16	9 27	3 24	6 15	5 39
T 30	5s35	3n 4	1n50	1n 9	0n48	5n51	1n28	16n12	1s33	12n24	0n55	4n45	2s49	23s 8	0s 8	18n28	1s43	14n59	16n24	9s16	9s26	3n26	6s16	5n39

Julian Day Number = 2171289.5, Delta T = 12m17s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'24, Lahiri = 13°09'25 Julian Calendar 1 Sept. 1232 == Greg. Calendar 8 Sept. 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

OCTOBER 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 7 51	15♎ 5'49	15♈16	29♍ 1	19♍52	19°R23	0♍ 5	18°R36	17♐59	29°R32	0♎ 7	23°R45	24♎10	4♈43	29°R53	F 1
S 2	1 11 48	16° 5'31	27° 6	29°15	21° 6	19♉13	0°16	18♈32	18° 2	29♉31	0° 9	23°D45	24° 7	4°50	29♒51	S 2
S 3	1 15 45	17° 5'15	9♉ 2	29°39	22°20	19° 2	0°27	18°27	18° 4	29°30	0°11	23♎45	24° 3	4°56	29°49	S 3
M 4	1 19 41	18° 5'00	21° 3	0♎12	23°35	18°50	0°38	18°22	18° 6	29°29	0°14	23°46	24° 0	5° 3	29°48	M 4
T 5	1 23 38	19° 4'48	3♊14	0°55	24°49	18°38	0°48	18°17	18° 8	29°27	0°16	23°46	23°57	5°10	29°46	T 5
W 6	1 27 34	20° 4'39	15°37	1°46	26° 4	18°24	0°59	18°12	18°10	29°26	0°18	23°47	23°54	5°16	29°45	W 6
T 7	1 31 31	21° 4'31	28°14	2°44	27°18	18°10	1° 9	18° 7	18°13	29°25	0°20	23°47	23°51	5°23	29°43	T 7
F 8	1 35 27	22° 4'26	11♋10	3°48	28°33	17°55	1°20	18° 3	18°15	29°24	0°23	23°47	23°48	5°30	29°42	F 8
S 9	1 39 24	23° 4'22	24°26	4°58	29°47	17°39	1°30	17°58	18°17	29°22	0°25	23°47	23°44	5°36	29°40	S 9
S 10	1 43 20	24° 4'22	8♌ 6	6°12	1♏ 2	17°23	1°40	17°53	18°20	29°21	0°27	23°47	23°41	5°43	29°39	S 10
M11	1 47 17	25° 4'23	22° 9	7°31	2°16	17° 5	1°50	17°48	18°22	29°20	0°29	23°47	23°38	5°50	29°38	M11
T 12	1 51 14	26° 4'26	6♍35	8°54	3°31	16°48	2° 0	17°43	18°25	29°18	0°31	23°47	23°35	5°56	29°36	T 12
W13	1 55 10	27° 4'32	21°21	10°19	4°46	16°29	2°10	17°39	18°27	29°17	0°34	23°48	23°32	6° 3	29°35	W13
T 14	1 59 7	28° 4'39	6♎21	11°47	6° 1	16°10	2°20	17°34	18°30	29°16	0°36	23°48	23°28	6°10	29°34	T 14
F 15	2 3 3	29° 4'49	21°28	13°17	7°15	15°51	2°30	17°29	18°33	29°14	0°38	23°R48	23°25	6°16	29°33	F 15
S 16	2 7 0	0♏ 5'01	6♏32	14°49	8°30	15°31	2°39	17°25	18°35	29°13	0°40	23°48	23°22	6°23	29°32	S 16
S 17	2 10 56	1° 5'14	21°25	16°22	9°45	15°10	2°49	17°20	18°38	29°11	0°42	23°48	23°19	6°30	29°31	S 17
M18	2 14 53	2° 5'29	5♐58	17°56	11° 0	14°49	2°58	17°15	18°41	29°10	0°44	23°47	23°16	6°36	29°30	M18
T 19	2 18 49	3° 5'46	20° 8	19°31	12°15	14°28	3° 8	17°11	18°44	29° 8	0°46	23°46	23°13	6°43	29°29	T 19
W20	2 22 46	4° 6'04	3♑50	21° 6	13°30	14° 7	3°17	17° 6	18°46	29° 7	0°48	23°44	23° 9	6°50	29°28	W20
T 21	2 26 43	5° 6'24	17° 5	22°42	14°45	13°45	3°26	17° 2	18°49	29° 5	0°50	23°43	23° 6	6°56	29°27	T 21
F 22	2 30 39	6° 6'46	29°56	24°19	16° 0	13°23	3°35	16°57	18°52	29° 4	0°52	23°43	23° 3	7° 3	29°27	F 22
S 23	2 34 36	7° 7'08	12♒25	25°55	17°15	13° 1	3°44	16°53	18°55	29° 2	0°54	23°D43	23° 0	7°10	29°26	S 23
S 24	2 38 32	8° 7'32	24°37	27°32	18°30	12°39	3°52	16°49	18°58	29° 1	0°56	23°43	22°57	7°16	29°26	S 24
M25	2 42 29	9° 7'58	6♓37	29° 9	19°45	12°17	4° 1	16°44	19° 1	28°59	0°58	23°45	22°53	7°23	29°25	M25
T 26	2 46 25	10° 8'25	18°28	0♏45	21° 0	11°55	4° 9	16°40	19° 4	28°58	1° 0	23°46	22°50	7°29	29°25	T 26
W27	2 50 22	11° 8'53	0♈16	2°22	22°15	11°33	4°18	16°36	19° 7	28°56	1° 2	23°48	22°47	7°36	29°24	W27
T 28	2 54 18	12° 9'23	12° 4	3°59	23°30	11°11	4°26	16°32	19°10	28°54	1° 4	23°49	22°44	7°43	29°24	T 28
F 29	2 58 15	13° 9'54	23°55	5°35	24°45	10°49	4°34	16°28	19°13	28°53	1° 6	23°R49	22°41	7°49	29°24	F 29
S 30	3 2 11	14°10'27	5♉53	7°11	26° 0	10°28	4°42	16°24	19°16	28°51	1° 8	23°49	22°38	7°56	29°23	S 30
S 31	3 6 8	15♏11'01	17♉58	8♏47	27♎16	10♉ 7	4♍50	16♈20	19♐19	28♉50	1♎ 9	23♎47	22♎34	8♈ 3	29♒23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s58	6n45	0n47	1n21	1n 3	5n23	1n29	16n11	1s31	12n21	0n55	4n43	2s49	23s 8	0s 8	18n28	1s43	14n58	16n25	9s15	9s24	3n27	6s16	5n38	F 1
S 2	6 21	10 12	0s19	1 28	1 16	4 55	1 29	16 11	1 28	12 17	0 55	4 41	2 49	23 8	0 8	18 27	1 43	14 57	16 25	9 15	9 23	3 29	6 17	5 38	S 2
S 3	6 44	13 14	1 24	1 29	1 28	4 26	1 30	16 10	1 26	12 13	0 55	4 39	2 49	23 8	0 8	18 27	1 43	14 56	16 25	9 15	9 22	3 31	6 18	5 38	S 3
M 4	7 7	15 45	2 26	1 24	1 37	3 57	1 31	16 10	1 23	12 10	0 56	4 37	2 49	23 8	0 8	18 27	1 43	14 56	16 25	9 16	9 21	3 33	6 19	5 38	M 4
T 5	7 30	17 35	3 23	1 15	1 46	3 28	1 32	16 9	1 21	12 6	0 56	4 36	2 49	23 8	0 8	18 27	1 43	14 55	16 25	9 16	9 20	3 35	6 20	5 37	T 5
W 6	7 53	18 36	4 10	1 1	1 53	2 59	1 32	16 7	1 18	12 2	0 56	4 34	2 49	23 9	0 8	18 26	1 43	14 54	16 26	9 16	9 19	3 37	6 21	5 37	W 6
T 7	8 15	18 44	4 47	0 43	1 58	2 30	1 33	16 6	1 15	11 59	0 56	4 32	2 49	23 9	0 8	18 26	1 43	14 54	16 26	9 16	9 17	3 39	6 22	5 37	T 7
F 8	8 38	17 54	5 10	0 21	2 2	2 1	1 34	16 5	1 13	11 55	0 56	4 30	2 49	23 9	0 8	18 26	1 43	14 53	16 26	9 16	9 16	3 41	6 22	5 36	F 8
S 9	9 0	16 6	5 18	0s 4	2 5	1 31	1 34	16 3	1 10	11 52	0 56	4 28	2 49	23 9	0 8	18 25	1 43	14 52	16 26	9 16	9 15	3 43	6 23	5 36	S 9
S 10	9 22	13 21	5 8	0 32	2 7	1 2	1 34	16 1	1 7	11 48	0 57	4 27	2 49	23 10	0 8	18 25	1 43	14 52	16 26	9 16	9 14	3 44	6 24	5 36	S 10
M11	9 45	9 46	4 40	1 3	2 7	0 32	1 35	15 59	1 4	11 45	0 57	4 25	2 49	23 10	0 8	18 25	1 43	14 51	16 27	9 16	9 13	3 46	6 25	5 35	M11
T 12	10 7	5 31	3 54	1 36	2 7	0 3	1 35	15 57	1 1	11 41	0 57	4 23	2 49	23 10	0 8	18 24	1 43	14 50	16 27	9 16	9 12	3 48	6 26	5 35	T 12
W13	10 28	0 49	2 51	2 10	2 6	0s27	1 35	15 54	0 58	11 38	0 57	4 21	2 49	23 10	0 8	18 24	1 43	14 50	16 27	9 16	9 10	3 50	6 26	5 35	W13
T 14	10 50	4s 0	1 36	2 46	2 4	0 57	1 35	15 52	0 55	11 35	0 57	4 19	2 49	23 10	0 8	18 24	1 43	14 49	16 27	9 16	9 9	3 52	6 27	5 34	T 14
F 15	11 11	8 36	0 13	3 24	2 2	1 26	1 35	15 49	0 52	11 31	0 58	4 18	2 49	23 11	0 8	18 23	1 43	14 48	16 28	9 16	9 8	3 54	6 28	5 34	F 15
S 16	11 33	12 39	1n10	4 2	1 59	1 56	1 35	15 46	0 49	11 28	0 58	4 16	2 49	23 11	0 8	18 23	1 43	14 48	16 28	9 16	9 7	3 56	6 28	5 34	S 16
S 17	11 54	15 49	2 28	4 41	1 55	2 26	1 35	15 43	0 46	11 25	0 58	4 14	2 48	23 11	0 8	18 23	1 43	14 47	16 28	9 16	9 6	3 57	6 29	5 33	S 17
M18	12 15	17 53	3 34	5 21	1 51	2 55	1 34	15 40	0 43	11 22	0 58	4 13	2 48	23 11	0 8	18 22	1 43	14 47	16 29	9 16	9 4	3 59	6 30	5 33	M18
T 19	12 36	18 46	4 25	6 1	1 47	3 25	1 34	15 37	0 39	11 18	0 58	4 11	2 48	23 12	0 8	18 22	1 43	14 46	16 29	9 16	9 3	4 1	6 30	5 33	T 19
W20	12 56	18 30	4 59	6 42	1 42	3 55	1 34	15 34	0 36	11 15	0 59	4 9	2 48	23 12	0 8	18 22	1 43	14 46	16 29	9 15	9 2	4 3	6 31	5 32	W20
T 21	13 17	17 13	5 15	7 22	1 37	4 24	1 33	15 30	0 33	11 12	0 59	4 8	2 48	23 12	0 8	18 21	1 43	14 45	16 30	9 15	9 1	4 5	6 31	5 32	T 21
F 22	13 37	15 6	5 16	8 3	1 31	4 54	1 33	15 27	0 30	11 9	0 59	4 6	2 48	23 12	0 8	18 21	1 43	14 45	16 30	9 15	9 0	4 7	6 32	5 31	F 22
S 23	13 57	12 20	5 1	8 44	1 25	5 23	1 32	15 23	0 27	11 6	0 59	4 5	2 48	23 13	0 8	18 21	1 43	14 44	16 30	9 14	8 59	4 9	6 33	5 31	S 23
S 24	14 16	9 5	4 33	9 24	1 19	5 52	1 31	15 20	0 23	11 3	0 59	4 3	2 48	23 13	0 8	18 20	1 43	14 44	16 31	9 15	8 57	4 11	6 33	5 31	S 24
M25	14 36	5 31	3 53	10 4	1 13	6 21	1 31	15 16	0 20	11 0	1 0	4 2	2 48	23 13	0 8	18 20	1 43	14 43	16 31	9 15	8 56	4 12	6 34	5 30	M25
T 26	14 55	1 46	3 4	10 44	1 7	6 50	1 30	15 12	0 17	10 57	1 0	4 0	2 47	23 13	0 8	18 20	1 43	14 43	16 31	9 16	8 55	4 14	6 34	5 30	T 26
W27	15 14	2n 3	2 7	11 24	1 1	7 19	1 29	15 9	0 14	10 54	1 0	3 59	2 47	23 14	0 8	18 19	1 43	14 42	16 32	9 16	8 54	4 16	6 35	5 30	W27
T 28	15 33	5 47	1 5	12 3	0 54	7 48	1 28	15 5	0 10	10 52	1 0	3 57	2 47	23 14	0 8	18 19	1 43	14 42	16 32	9 17	8 53	4 18	6 35	5 29	T 28
F 29	15 51	9 19	0s 1	12 42	0 47	8 17	1 27	15 1	0 7	10 49	1 1	3 56	2 47	23 14	0 8	18 19	1 43	14 42	16 32	9 17	8 51	4 20	6 36	5 29	F 29
S 30	16 9	12 30	1 6	13 20	0 41	8 45	1 26	14 57	0 4	10 46	1 1	3 54	2 47	23 14	0 8	18 18	1 43	14 41	16 33	9 17	8 50	4 22	6 36	5 29	S 30
S 31	16s27	15n11	2s 9	13s57	0n34	9s13	1n25	14n54	0s 1	10n43	1n 1	3n53	2s47	23s15	0s 8	18n18	1s43	14n41	16n33	9s16	8s49	4n24	6s36	5n28	S 31

Julian Day Number = 2171319.5, Delta T = 12m17s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'28, Lahiri = 13°09'29 Julian Calendar 1 Oct. 1232 == Greg. Calendar 8 Oct. 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

NOVEMBER 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 10 5	16♏11'37	0♊13	10♏23	28♎31	9°R46	4♍58	16°R16	19♐22	28°R48	1♎11	23°R44	22♎31	8♈ 9	29°R23	M 1
T 2	3 14 1	17°12'14	12°39	11°59	29°46	9♉25	5° 5	16♈12	19°26	28♉46	1°13	23♎41	22°28	8°16	29°D23	T 2
W 3	3 17 58	18°12'53	25°18	13°35	1♏ 1	9° 5	5°13	16° 9	19°29	28°45	1°15	23°37	22°25	8°23	29♒23	W 3
T 4	3 21 54	19°13'33	8♋ 9	15°10	2°17	8°45	5°20	16° 5	19°32	28°43	1°17	23°33	22°22	8°29	29°23	T 4
F 5	3 25 51	20°14'16	21°14	16°45	3°32	8°26	5°27	16° 1	19°35	28°41	1°18	23°29	22°19	8°36	29°23	F 5
S 6	3 29 47	21°14'59	4♌34	18°20	4°47	8° 7	5°34	15°58	19°39	28°40	1°20	23°27	22°15	8°43	29°23	S 6
S 7	3 33 44	22°15'45	18° 9	19°55	6° 2	7°49	5°41	15°55	19°42	28°38	1°22	23°D26	22°12	8°49	29°24	S 7
M 8	3 37 40	23°16'32	2♍ 1	21°30	7°18	7°32	5°48	15°51	19°45	28°36	1°23	23°26	22° 9	8°56	29°24	M 8
T 9	3 41 37	24°17'20	16°10	23° 5	8°33	7°15	5°55	15°48	19°48	28°34	1°25	23°27	22° 6	9° 3	29°24	T 9
W10	3 45 34	25°18'10	0♎34	24°39	9°49	6°58	6° 1	15°45	19°52	28°33	1°26	23°28	22° 3	9° 9	29°25	W10
T 11	3 49 30	26°19'02	15°10	26°14	11° 4	6°43	6° 7	15°42	19°55	28°31	1°28	23°30	21°59	9°16	29°25	T 11
F 12	3 53 27	27°19'55	29°55	27°48	12°19	6°28	6°14	15°39	19°59	28°29	1°29	23°R30	21°56	9°23	29°26	F 12
S 13	3 57 23	28°20'49	14♏41	29°22	13°35	6°13	6°20	15°36	20° 2	28°28	1°31	23°28	21°53	9°29	29°26	S 13
S 14	4 1 20	29°21'45	29°22	0♐56	14°50	6° 0	6°25	15°33	20° 5	28°26	1°32	23°25	21°50	9°36	29°27	S 14
M15	4 5 16	0♐22'42	13♐51	2°31	16° 6	5°47	6°31	15°30	20° 9	28°24	1°34	23°20	21°47	9°42	29°28	M15
T 16	4 9 13	1°23'39	28° 1	4° 5	17°21	5°35	6°37	15°28	20°12	28°23	1°35	23°13	21°44	9°49	29°29	T 16
W17	4 13 10	2°24'38	11♑47	5°39	18°36	5°24	6°42	15°25	20°16	28°21	1°37	23° 7	21°40	9°56	29°29	W17
T 18	4 17 6	3°25'37	25° 8	7°13	19°52	5°14	6°47	15°23	20°19	28°19	1°38	23° 1	21°37	10° 2	29°30	T 18
F 19	4 21 3	4°26'37	8♒ 4	8°47	21° 7	5° 4	6°52	15°21	20°23	28°18	1°39	22°56	21°34	10° 9	29°31	F 19
S 20	4 24 59	5°27'38	20°37	10°21	22°23	4°56	6°57	15°18	20°26	28°16	1°41	22°53	21°31	10°16	29°32	S 20
S 21	4 28 56	6°28'40	2♓51	11°56	23°38	4°48	7° 2	15°16	20°30	28°14	1°42	22°D51	21°28	10°22	29°33	S 21
M22	4 32 52	7°29'41	14°50	13°30	24°54	4°41	7° 6	15°14	20°33	28°12	1°43	22°51	21°25	10°29	29°35	M22
T 23	4 36 49	8°30'44	26°41	15° 4	26° 9	4°35	7°11	15°12	20°37	28°11	1°44	22°53	21°21	10°36	29°36	T 23
W24	4 40 45	9°31'47	8♈29	16°39	27°25	4°29	7°15	15°10	20°41	28° 9	1°46	22°54	21°18	10°42	29°37	W24
T 25	4 44 42	10°32'50	20°17	18°13	28°40	4°25	7°19	15° 9	20°44	28° 7	1°47	22°R55	21°15	10°49	29°38	T 25
F 26	4 48 38	11°33'54	2♉12	19°48	29°56	4°21	7°23	15° 7	20°48	28° 6	1°48	22°55	21°12	10°56	29°40	F 26
S 27	4 52 35	12°34'59	14°16	21°22	1♐11	4°18	7°27	15° 6	20°51	28° 4	1°49	22°52	21° 9	11° 2	29°41	S 27
S 28	4 56 32	13°36'04	26°33	22°57	2°26	4°16	7°30	15° 4	20°55	28° 3	1°50	22°47	21° 5	11° 9	29°43	S 28
M29	5 0 28	14°37'10	9♊ 4	24°32	3°42	4°15	7°33	15° 3	20°59	28° 1	1°51	22°40	21° 2	11°16	29°44	M29
T 30	5 4 25	15♐38'16	21♊49	26♐ 6	4♐57	4°D14	7♍37	15♈ 2	21♐ 2	27♉59	1♎52	22♎31	20♎59	11♈22	29♒46	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s45	17n13	3s 8	14s34	0n27	9s41	1n24	14n50	0n 2	10n41	1n 1	3n52	2s46	23s15	0s 8	18n17	1s43	14n41	16n34	9s15	8s48	4n25	6s37	5n28
T 2	17 2	18 29	3 58	15 10	0 20	10 9	1 23	14 46	0 5	10 38	1 1	3 50	2 46	23 15	0 8	18 17	1 43	14 40	16 34	9 14	8 47	4 27	6 37	5 27
W 3	17 19	18 50	4 37	15 46	0 14	10 36	1 21	14 43	0 8	10 36	1 2	3 49	2 46	23 15	0 8	18 17	1 43	14 40	16 34	9 12	8 46	4 29	6 37	5 27
T 4	17 36	18 15	5 3	16 21	0 7	11 4	1 20	14 39	0 11	10 33	1 2	3 48	2 46	23 16	0 8	18 16	1 43	14 40	16 35	9 11	8 44	4 31	6 38	5 27
F 5	17 53	16 41	5 14	16 55	0 0	11 31	1 19	14 36	0 14	10 31	1 2	3 47	2 46	23 16	0 8	18 16	1 43	14 39	16 35	9 9	8 43	4 33	6 38	5 26
S 6	18 9	14 13	5 8	17 28	0s 7	11 58	1 17	14 33	0 17	10 28	1 2	3 46	2 46	23 16	0 8	18 16	1 43	14 39	16 36	9 8	8 42	4 35	6 38	5 26
S 7	18 25	10 55	4 45	18 0	0 13	12 24	1 16	14 29	0 20	10 26	1 3	3 45	2 45	23 16	0 8	18 15	1 43	14 39	16 36	9 8	8 41	4 36	6 39	5 26
M 8	18 40	6 58	4 6	18 32	0 20	12 50	1 14	14 26	0 23	10 24	1 3	3 43	2 45	23 17	0 8	18 15	1 43	14 39	16 37	9 8	8 40	4 38	6 39	5 25
T 9	18 55	2 33	3 11	19 2	0 26	13 16	1 12	14 24	0 26	10 22	1 3	3 42	2 45	23 17	0 8	18 14	1 43	14 38	16 37	9 9	8 38	4 40	6 39	5 25
W10	19 10	2s 6	2 2	19 32	0 33	13 42	1 11	14 21	0 29	10 19	1 3	3 41	2 45	23 17	0 8	18 14	1 43	14 38	16 37	9 9	8 37	4 42	6 39	5 25
T 11	19 24	6 42	0 45	20 1	0 39	14 7	1 9	14 18	0 31	10 17	1 4	3 40	2 44	23 17	0 8	18 14	1 43	14 38	16 38	9 10	8 36	4 44	6 39	5 24
F 12	19 39	10 56	0n35	20 29	0 45	14 32	1 7	14 16	0 34	10 15	1 4	3 39	2 44	23 18	0 8	18 13	1 43	14 38	16 38	9 10	8 35	4 46	6 40	5 24
S 13	19 52	14 30	1 53	20 56	0 51	14 56	1 5	14 13	0 37	10 13	1 4	3 39	2 44	23 18	0 8	18 13	1 43	14 38	16 39	9 9	8 34	4 47	6 40	5 23
S 14	20 6	17 7	3 3	21 22	0 57	15 20	1 4	14 11	0 39	10 11	1 4	3 38	2 44	23 18	0 8	18 13	1 43	14 37	16 39	9 8	8 32	4 49	6 40	5 23
M15	20 19	18 35	4 0	21 47	1 3	15 44	1 2	14 9	0 42	10 9	1 5	3 37	2 44	23 19	0 8	18 12	1 43	14 37	16 40	9 6	8 31	4 51	6 40	5 23
T 16	20 31	18 50	4 41	22 11	1 9	16 7	1 0	14 8	0 44	10 8	1 5	3 36	2 43	23 19	0 8	18 12	1 43	14 37	16 40	9 4	8 30	4 53	6 40	5 22
W17	20 44	17 57	5 5	22 33	1 14	16 30	0 58	14 6	0 46	10 6	1 5	3 35	2 43	23 19	0 8	18 12	1 43	14 37	16 41	9 1	8 29	4 55	6 40	5 22
T 18	20 55	16 6	5 10	22 55	1 20	16 53	0 56	14 5	0 49	10 4	1 5	3 35	2 43	23 19	0 8	18 11	1 43	14 37	16 41	8 59	8 28	4 57	6 40	5 22
F 19	21 7	13 30	5 0	23 15	1 25	17 15	0 54	14 4	0 51	10 2	1 6	3 34	2 43	23 20	0 8	18 11	1 43	14 37	16 42	8 57	8 26	4 58	6 40	5 21
S 20	21 18	10 20	4 35	23 34	1 30	17 36	0 52	14 3	0 53	10 1	1 6	3 33	2 42	23 20	0 8	18 10	1 43	14 37	16 42	8 56	8 25	5 0	6 40	5 21
S 21	21 29	6 48	3 58	23 53	1 35	17 57	0 50	14 2	0 55	9 59	1 6	3 33	2 42	23 20	0 8	18 10	1 43	14 37	16 43	8 55	8 24	5 2	6 40	5 20
M22	21 39	3 3	3 12	24 9	1 39	18 18	0 47	14 2	0 57	9 58	1 6	3 32	2 42	23 20	0 8	18 10	1 43	14 37	16 43	8 55	8 23	5 4	6 40	5 20
T 23	21 49	0n47	2 17	24 25	1 44	18 38	0 45	14 2	0 59	9 56	1 7	3 32	2 42	23 21	0 8	18 9	1 43	14 37	16 44	8 56	8 22	5 6	6 40	5 20
W24	21 58	4 34	1 17	24 39	1 48	18 58	0 43	14 2	1 1	9 55	1 7	3 31	2 41	23 21	0 8	18 9	1 43	14 37	16 44	8 56	8 20	5 8	6 40	5 19
T 25	22 7	8 11	0 14	24 52	1 52	19 17	0 41	14 2	1 3	9 54	1 7	3 31	2 41	23 21	0 9	18 9	1 43	14 37	16 45	8 57	8 19	5 9	6 40	5 19
F 26	22 16	11 30	0s50	25 3	1 55	19 35	0 39	14 2	1 5	9 53	1 8	3 30	2 41	23 21	0 9	18 8	1 43	14 37	16 46	8 57	8 18	5 11	6 40	5 19
S 27	22 24	14 23	1 53	25 14	1 59	19 53	0 36	14 3	1 7	9 52	1 8	3 30	2 41	23 22	0 9	18 8	1 43	14 37	16 46	8 56	8 17	5 13	6 39	5 18
S 28	22 31	16 41	2 51	25 22	2 2	20 11	0 34	14 4	1 8	9 51	1 8	3 30	2 40	23 22	0 9	18 8	1 43	14 37	16 47	8 54	8 16	5 15	6 39	5 18
M29	22 39	18 14	3 42	25 29	2 4	20 27	0 32	14 5	1 10	9 50	1 8	3 30	2 40	23 22	0 9	18 7	1 43	14 37	16 47	8 51	8 15	5 17	6 39	5 18
T 30	22s46	18n54	4s23	25s35	2s 7	20s44	0n29	14n 6	1n12	9n49	1n 9	3n29	2s40	23s22	0s 9	18n 7	1s43	14n37	16n48	8s48	8s13	5n18	6s39	5n17

Julian Day Number = 2171350.5, Delta T = 12m17s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'33, Lahiri = 13°09'33 Julian Calendar 1 Nov. 1232 == Greg. Calendar 8 Nov. 1232

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ASTRODIENST EPHEMERIS for the year 1232
geocentric

DECEMBER 1232 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 8 21	16♐39'23	4♋50	27♐41	6♐13	4♉15	7♍40	15°R 1	21♐ 6	27°R58	1♎53	22°R21	20♎56	11♈29	29♒47	W 1
T 2	5 12 18	17°40'30	18° 3	29°16	7°28	4°16	7°42	15♈ 0	21° 9	27♉56	1°54	22♎11	20°53	11°35	29°49	T 2
F 3	5 16 14	18°41'38	1♌29	0♑50	8°44	4°18	7°45	14°59	21°13	27°55	1°55	22° 2	20°50	11°42	29°51	F 3
S 4	5 20 11	19°42'47	15° 5	2°25	9°59	4°20	7°47	14°58	21°17	27°53	1°56	21°55	20°46	11°49	29°53	S 4
S 5	5 24 8	20°43'56	28°50	3°59	11°15	4°24	7°50	14°58	21°20	27°51	1°56	21°50	20°43	11°55	29°54	S 5
M 6	5 28 4	21°45'06	12♍43	5°33	12°30	4°28	7°52	14°57	21°24	27°50	1°57	21°48	20°40	12° 2	29°56	M 6
T 7	5 32 1	22°46'16	26°44	7° 6	13°46	4°33	7°54	14°57	21°27	27°48	1°58	21°D48	20°37	12° 9	29°58	T 7
W 8	5 35 57	23°47'27	10♎51	8°39	15° 1	4°38	7°55	14°56	21°31	27°47	1°59	21°48	20°34	12°15	0♓ 0	W 8
T 9	5 39 54	24°48'38	25° 5	10°12	16°17	4°44	7°57	14°56	21°35	27°45	1°59	21°R48	20°31	12°22	0° 2	T 9
F 10	5 43 50	25°49'50	9♏23	11°43	17°32	4°51	7°58	14°D56	21°38	27°44	2° 0	21°47	20°27	12°29	0° 4	F 10
S 11	5 47 47	26°51'03	23°42	13°14	18°48	4°59	7°59	14°56	21°42	27°43	2° 1	21°43	20°24	12°35	0° 7	S 11
S 12	5 51 43	27°52'15	7♐58	14°43	20° 3	5° 7	8° 0	14°56	21°46	27°41	2° 1	21°37	20°21	12°42	0° 9	S 12
M13	5 55 40	28°53'28	22° 6	16°11	21°19	5°16	8° 1	14°57	21°49	27°40	2° 2	21°27	20°18	12°49	0°11	M13
T 14	5 59 37	29°54'41	6♑ 1	17°37	22°34	5°26	8° 1	14°57	21°53	27°38	2° 2	21°16	20°15	12°55	0°13	T 14
W15	6 3 33	0♑55'54	19°39	19° 1	23°50	5°36	8° 2	14°58	21°56	27°37	2° 3	21° 4	20°11	13° 2	0°16	W15
T 16	6 7 30	1°57'07	2♒56	20°23	25° 5	5°47	8°R 2	14°58	22° 0	27°36	2° 3	20°52	20° 8	13° 9	0°18	T 16
F 17	6 11 26	2°58'20	15°50	21°41	26°21	5°58	8° 2	14°59	22° 3	27°34	2° 4	20°42	20° 5	13°15	0°21	F 17
S 18	6 15 23	3°59'32	28°24	22°55	27°36	6°10	8° 1	15° 0	22° 7	27°33	2° 4	20°34	20° 2	13°22	0°23	S 18
S 19	6 19 19	5° 0'44	10♓39	24° 6	28°52	6°23	8° 1	15° 1	22°11	27°32	2° 4	20°29	19°59	13°28	0°26	S 19
M20	6 23 16	6° 1'55	22°40	25°11	0♑ 7	6°36	8° 0	15° 2	22°14	27°30	2° 5	20°26	19°56	13°35	0°28	M20
T 21	6 27 12	7° 3'06	4♈32	26°10	1°23	6°50	7°59	15° 3	22°18	27°29	2° 5	20°D25	19°52	13°42	0°31	T 21
W22	6 31 9	8° 4'16	16°19	27° 3	2°38	7° 4	7°58	15° 4	22°21	27°28	2° 5	20°R25	19°49	13°48	0°33	W22
T 23	6 35 6	9° 5'26	28° 8	27°49	3°54	7°19	7°57	15° 6	22°25	27°27	2° 5	20°25	19°46	13°55	0°36	T 23
F 24	6 39 2	10° 6'35	10♉ 5	28°26	5° 9	7°34	7°56	15° 7	22°28	27°26	2° 5	20°24	19°43	14° 2	0°39	F 24
S 25	6 42 59	11° 7'43	22°13	28°54	6°25	7°50	7°54	15° 9	22°32	27°24	2° 5	20°20	19°40	14° 8	0°42	S 25
S 26	6 46 55	12° 8'51	4♊37	29°12	7°40	8° 7	7°52	15°11	22°35	27°23	2° 6	20°13	19°37	14°15	0°45	S 26
M27	6 50 52	13° 9'58	17°20	29°R19	8°56	8°23	7°50	15°12	22°39	27°22	2° 6	20° 4	19°33	14°22	0°47	M27
T 28	6 54 48	14°11'05	0♋23	29°14	10°11	8°41	7°48	15°14	22°42	27°21	2°R 6	19°52	19°30	14°28	0°50	T 28
W29	6 58 45	15°12'11	13°45	28°58	11°26	8°58	7°46	15°16	22°46	27°20	2° 6	19°39	19°27	14°35	0°53	W29
T 30	7 2 41	16°13'17	27°24	28°30	12°42	9°17	7°43	15°19	22°49	27°19	2° 5	19°26	19°24	14°42	0°56	T 30
F 31	7 6 38	17♑14'21	11♌17	27♑51	13♑57	9♉35	7♍40	15♈21	22♐52	27♉18	2♎ 5	19♎14	19♎21	14♈48	0♓59	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s52	18n36	4s51	25s39	2s 8	20s59	0n27	14n 8	1n13	9n48	1n 9	3n29	2s39	23s23	0s 9	18n 7	1s43	14n38	16n48	8s44	8s12	5n20	6s39	5n17
T 2	22 58	17 17	5 5	25 42	2 10	21 14	0 25	14 10	1 15	9 47	1 9	3 29	2 39	23 23	0 9	18 6	1 43	14 38	16 49	8 40	8 11	5 22	6 38	5 17
F 3	23 3	15 1	5 1	25 43	2 11	21 29	0 22	14 12	1 16	9 46	1 9	3 29	2 39	23 23	0 9	18 6	1 43	14 38	16 49	8 37	8 10	5 24	6 38	5 16
S 4	23 8	11 54	4 41	25 43	2 12	21 43	0 20	14 14	1 18	9 46	1 10	3 29	2 39	23 23	0 9	18 6	1 43	14 38	16 50	8 34	8 9	5 26	6 38	5 16
S 5	23 13	8 6	4 4	25 41	2 12	21 56	0 17	14 16	1 19	9 45	1 10	3 29	2 38	23 24	0 9	18 5	1 43	14 38	16 51	8 32	8 7	5 27	6 37	5 16
M 6	23 17	3 50	3 13	25 37	2 12	22 8	0 15	14 19	1 20	9 45	1 10	3 29	2 38	23 24	0 9	18 5	1 43	14 38	16 51	8 32	8 6	5 29	6 37	5 15
T 7	23 20	0s41	2 10	25 32	2 11	22 20	0 13	14 22	1 22	9 44	1 11	3 29	2 38	23 24	0 9	18 5	1 43	14 39	16 52	8 32	8 5	5 31	6 37	5 15
W 8	23 23	5 12	0 58	25 25	2 10	22 31	0 10	14 25	1 23	9 44	1 11	3 29	2 37	23 24	0 9	18 4	1 43	14 39	16 52	8 32	8 4	5 33	6 36	5 15
T 9	23 26	9 28	0n17	25 16	2 8	22 42	0 8	14 28	1 24	9 43	1 11	3 30	2 37	23 25	0 9	18 4	1 43	14 39	16 53	8 32	8 3	5 35	6 36	5 14
F 10	23 28	13 13	1 32	25 6	2 6	22 52	0 5	14 32	1 25	9 43	1 11	3 30	2 37	23 25	0 9	18 4	1 43	14 39	16 53	8 31	8 1	5 36	6 35	5 14
S 11	23 30	16 10	2 41	24 55	2 3	23 1	0 3	14 35	1 26	9 43	1 12	3 30	2 37	23 25	0 9	18 4	1 43	14 40	16 54	8 30	8 0	5 38	6 35	5 14
S 12	23 31	18 7	3 40	24 41	1 59	23 9	0 1	14 39	1 27	9 43	1 12	3 30	2 36	23 25	0 9	18 3	1 43	14 40	16 55	8 27	7 59	5 40	6 35	5 13
M13	23 32	18 54	4 24	24 26	1 54	23 17	0s 2	14 43	1 28	9 43	1 12	3 31	2 36	23 26	0 9	18 3	1 43	14 40	16 55	8 24	7 58	5 42	6 34	5 13
T 14	23 32	18 32	4 52	24 10	1 49	23 24	0 4	14 47	1 29	9 43	1 13	3 31	2 36	23 26	0 9	18 3	1 43	14 41	16 56	8 20	7 57	5 44	6 33	5 13
W15	23 32	17 6	5 2	23 53	1 43	23 30	0 7	14 51	1 30	9 43	1 13	3 32	2 35	23 26	0 9	18 2	1 43	14 41	16 56	8 15	7 55	5 45	6 33	5 12
T 16	23 31	14 47	4 56	23 34	1 36	23 36	0 9	14 56	1 31	9 43	1 13	3 32	2 35	23 26	0 9	18 2	1 43	14 41	16 57	8 11	7 54	5 47	6 32	5 12
F 17	23 30	11 47	4 34	23 14	1 28	23 41	0 12	15 1	1 32	9 44	1 13	3 33	2 35	23 27	0 9	18 2	1 43	14 42	16 58	8 7	7 53	5 49	6 32	5 12
S 18	23 29	8 20	4 0	22 52	1 19	23 45	0 14	15 5	1 33	9 44	1 14	3 33	2 35	23 27	0 9	18 2	1 43	14 42	16 58	8 4	7 52	5 51	6 31	5 12
S 19	23 26	4 36	3 15	22 30	1 9	23 48	0 16	15 10	1 34	9 45	1 14	3 34	2 34	23 27	0 9	18 1	1 43	14 43	16 59	8 2	7 51	5 53	6 31	5 11
M20	23 24	0 45	2 22	22 8	0 58	23 51	0 19	15 15	1 34	9 45	1 14	3 35	2 34	23 27	0 9	18 1	1 43	14 43	16 59	8 1	7 49	5 54	6 30	5 11
T 21	23 21	3n 5	1 23	21 45	0 46	23 53	0 21	15 21	1 35	9 46	1 15	3 35	2 34	23 27	0 9	18 1	1 42	14 43	17 0	8 1	7 48	5 56	6 29	5 11
W22	23 17	6 47	0 22	21 22	0 32	23 54	0 23	15 26	1 36	9 46	1 15	3 36	2 33	23 28	0 9	18 1	1 42	14 44	17 0	8 1	7 47	5 58	6 29	5 10
T 23	23 13	10 13	0s41	20 59	0 18	23 54	0 26	15 32	1 36	9 47	1 15	3 37	2 33	23 28	0 9	18 0	1 42	14 44	17 1	8 0	7 46	6 0	6 28	5 10
F 24	23 9	13 17	1 42	20 36	0 3	23 54	0 28	15 37	1 37	9 48	1 15	3 38	2 33	23 28	0 9	18 0	1 42	14 45	17 2	8 0	7 44	6 2	6 27	5 10
S 25	23 4	15 49	2 40	20 15	0n13	23 53	0 30	15 43	1 38	9 49	1 16	3 39	2 32	23 28	0 9	18 0	1 42	14 45	17 2	7 58	7 43	6 3	6 27	5 10
S 26	22 59	17 41	3 31	19 54	0 31	23 51	0 32	15 49	1 38	9 50	1 16	3 40	2 32	23 28	0 9	18 0	1 42	14 46	17 3	7 56	7 42	6 5	6 26	5 9
M27	22 53	18 43	4 13	19 35	0 49	23 48	0 34	15 55	1 39	9 51	1 16	3 41	2 32	23 29	0 9	18 0	1 42	14 46	17 3	7 52	7 41	6 7	6 25	5 9
T 28	22 47	18 49	4 43	19 18	1 7	23 45	0 37	16 1	1 39	9 52	1 17	3 42	2 32	23 29	0 9	17 59	1 42	14 47	17 4	7 48	7 40	6 9	6 24	5 9
W29	22 40	17 52	4 59	19 3	1 26	23 41	0 39	16 7	1 40	9 53	1 17	3 43	2 31	23 29	0 9	17 59	1 42	14 47	17 5	7 43	7 38	6 10	6 24	5 8
T 30	22 33	15 54	4 57	18 50	1 44	23 36	0 41	16 14	1 40	9 54	1 17	3 44	2 31	23 29	0 9	17 59	1 42	14 48	17 5	7 38	7 37	6 12	6 23	5 8
F 31	22s25	13n 0	4s39	18s40	2n 3	23s31	0s43	16n20	1n41	9n55	1n17	3n45	2s31	23s29	0s 9	17n59	1s42	14n49	17n 6	7s33	7s36	6n14	6s22	5n 8

Julian Day Number = 2171380.5, Delta T = 12m17s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'37, Lahiri = 13°09'37 Julian Calendar 1 Dec. 1232 == Greg. Calendar 8 Dec. 1232

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

JANUARY 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 35	18♑15'26	25♌19	27°R 2	15♑13	9♉54	7°R37	15♈23	22♐56	27°R17	2°R 5	19°R 4	19♎17	14♈55	1♓ 2	S 1
S 2	7 14 31	19°16'29	9♍26	26♑ 3	16°28	10°14	7♍34	15°26	22°59	27♉16	2♎ 5	18♎57	19°14	15° 2	1° 5	S 2
M 3	7 18 28	20°17'33	23°35	24°56	17°43	10°34	7°31	15°28	23° 2	27°15	2° 5	18°53	19°11	15° 8	1° 9	M 3
T 4	7 22 24	21°18'35	7♎42	23°44	18°59	10°54	7°28	15°31	23° 6	27°15	2° 5	18°52	19° 8	15°15	1°12	T 4
W 5	7 26 21	22°19'38	21°48	22°29	20°14	11°14	7°24	15°34	23° 9	27°14	2° 4	18°52	19° 5	15°21	1°15	W 5
T 6	7 30 17	23°20'39	5♏50	21°12	21°29	11°35	7°20	15°37	23°12	27°13	2° 4	18°51	19° 2	15°28	1°18	T 6
F 7	7 34 14	24°21'41	19°50	19°57	22°45	11°57	7°16	15°40	23°15	27°12	2° 4	18°50	18°58	15°35	1°21	F 7
S 8	7 38 10	25°22'41	3♐44	18°45	24° 0	12°18	7°12	15°43	23°19	27°11	2° 3	18°45	18°55	15°41	1°25	S 8
S 9	7 42 7	26°23'42	17°33	17°38	25°16	12°40	7° 8	15°46	23°22	27°11	2° 3	18°38	18°52	15°48	1°28	S 9
M10	7 46 4	27°24'41	1♑14	16°37	26°31	13° 3	7° 3	15°49	23°25	27°10	2° 2	18°28	18°49	15°55	1°31	M10
T 11	7 50 0	28°25'39	14°45	15°44	27°46	13°25	6°58	15°53	23°28	27° 9	2° 2	18°15	18°46	16° 1	1°35	T 11
W12	7 53 57	29°26'37	28° 2	14°59	29° 2	13°49	6°54	15°56	23°31	27° 9	2° 2	18° 2	18°43	16° 8	1°38	W12
T 13	7 57 53	0♒27'33	11♒ 3	14°23	0♒17	14°12	6°49	16° 0	23°34	27° 8	2° 1	17°49	18°39	16°15	1°42	T 13
F 14	8 1 50	1°28'28	23°48	13°56	1°32	14°36	6°43	16° 3	23°37	27° 8	2° 0	17°37	18°36	16°21	1°45	F 14
S 15	8 5 46	2°29'22	6♓15	13°37	2°48	15° 0	6°38	16° 7	23°40	27° 7	2° 0	17°28	18°33	16°28	1°49	S 15
S 16	8 9 43	3°30'14	18°27	13°26	4° 3	15°24	6°33	16°11	23°43	27° 7	1°59	17°22	18°30	16°35	1°52	S 16
M17	8 13 39	4°31'05	0♈27	13°D23	5°18	15°48	6°27	16°15	23°46	27° 6	1°58	17°18	18°27	16°41	1°56	M17
T 18	8 17 36	5°31'55	12°18	13°28	6°33	16°13	6°21	16°19	23°49	27° 6	1°58	17°D17	18°23	16°48	1°59	T 18
W19	8 21 33	6°32'43	24° 5	13°40	7°49	16°38	6°15	16°23	23°52	27° 5	1°57	17°17	18°20	16°54	2° 3	W19
T 20	8 25 29	7°33'29	5♉54	13°58	9° 4	17° 4	6° 9	16°27	23°55	27° 5	1°56	17°R17	18°17	17° 1	2° 6	T 20
F 21	8 29 26	8°34'14	17°50	14°22	10°19	17°29	6° 3	16°32	23°58	27° 5	1°55	17°17	18°14	17° 8	2°10	F 21
S 22	8 33 22	9°34'58	29°58	14°51	11°34	17°55	5°57	16°36	24° 1	27° 4	1°55	17°14	18°11	17°14	2°14	S 22
S 23	8 37 19	10°35'40	12♊23	15°26	12°49	18°21	5°50	16°41	24° 4	27° 4	1°54	17°10	18° 8	17°21	2°17	S 23
M24	8 41 15	11°36'20	25°10	16° 5	14° 5	18°48	5°44	16°45	24° 6	27° 4	1°53	17° 3	18° 4	17°28	2°21	M24
T 25	8 45 12	12°36'58	8♋21	16°49	15°20	19°14	5°37	16°50	24° 9	27° 4	1°52	16°54	18° 1	17°34	2°25	T 25
W26	8 49 8	13°37'35	21°57	17°36	16°35	19°41	5°31	16°55	24°12	27° 4	1°51	16°43	17°58	17°41	2°28	W26
T 27	8 53 5	14°38'10	5♌55	18°27	17°50	20° 8	5°24	16°59	24°14	27° 4	1°50	16°33	17°55	17°48	2°32	T 27
F 28	8 57 2	15°38'44	20°11	19°21	19° 5	20°35	5°17	17° 4	24°17	27° 3	1°49	16°23	17°52	17°54	2°36	F 28
S 29	9 0 58	16°39'16	4♍40	20°18	20°20	21° 3	5°10	17° 9	24°19	27° 3	1°48	16°15	17°48	18° 1	2°40	S 29
S 30	9 4 55	17°39'47	19°15	21°19	21°35	21°30	5° 3	17°14	24°22	27°D 3	1°47	16° 9	17°45	18° 8	2°43	S 30
M31	9 8 51	18♒40'16	3♎49	22♑21	22♒50	21♉58	4♍55	17♈19	24♐24	27♉ 3	1♎46	16♎ 7	17♎42	18♈14	2♓47	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s17	9n19	4s 3	18s32	2n21	23s25	0s45	16n27	1n41	9n57	1n18	3n46	2s30	23s30	0s 9	17n59	1s42	14n49	17n 6	7s30	7s35	6n16	6s21	5n 8
S 2	22 9	5 6	3 12	18 27	2 37	23 18	0 47	16 33	1 42	9 58	1 18	3 47	2 30	23 30	0 9	17 59	1 42	14 50	17 7	7 27	7 34	6 17	6 20	5 7
M 3	22 0	0 35	2 9	18 24	2 52	23 10	0 49	16 40	1 42	10 0	1 18	3 49	2 30	23 30	0 9	17 58	1 42	14 50	17 7	7 26	7 32	6 19	6 19	5 7
T 4	21 50	3s58	0 59	18 24	3 5	23 2	0 51	16 47	1 43	10 1	1 18	3 50	2 30	23 30	0 9	17 58	1 42	14 51	17 8	7 25	7 31	6 21	6 18	5 7
W 5	21 41	8 17	0n16	18 26	3 16	22 53	0 53	16 53	1 43	10 3	1 19	3 51	2 29	23 30	0 9	17 58	1 42	14 52	17 9	7 25	7 30	6 23	6 18	5 7
T 6	21 31	12 8	1 29	18 29	3 25	22 43	0 55	17 0	1 43	10 4	1 19	3 53	2 29	23 31	0 9	17 58	1 42	14 52	17 9	7 25	7 29	6 25	6 17	5 7
F 7	21 20	15 16	2 36	18 34	3 31	22 32	0 57	17 7	1 44	10 6	1 19	3 54	2 29	23 31	0 9	17 58	1 42	14 53	17 10	7 24	7 28	6 26	6 16	5 6
S 8	21 9	17 29	3 34	18 41	3 34	22 21	0 58	17 14	1 44	10 8	1 20	3 55	2 29	23 31	0 9	17 58	1 42	14 53	17 10	7 23	7 26	6 28	6 15	5 6
S 9	20 58	18 40	4 18	18 49	3 35	22 9	1 0	17 21	1 44	10 10	1 20	3 57	2 28	23 31	0 9	17 58	1 41	14 54	17 11	7 20	7 25	6 30	6 14	5 6
M10	20 46	18 44	4 47	18 57	3 34	21 57	1 2	17 29	1 44	10 12	1 20	3 58	2 28	23 31	0 9	17 58	1 41	14 55	17 11	7 16	7 24	6 32	6 13	5 6
T 11	20 34	17 45	5 0	19 7	3 31	21 44	1 3	17 36	1 45	10 14	1 20	4 0	2 28	23 31	0 9	17 57	1 41	14 55	17 12	7 11	7 23	6 33	6 12	5 5
W12	20 21	15 48	4 56	19 17	3 26	21 30	1 5	17 43	1 45	10 16	1 21	4 2	2 27	23 32	0 9	17 57	1 41	14 56	17 12	7 6	7 22	6 35	6 11	5 5
T 13	20 8	13 5	4 37	19 27	3 20	21 15	1 6	17 50	1 45	10 18	1 21	4 3	2 27	23 32	0 9	17 57	1 41	14 57	17 13	7 1	7 20	6 37	6 10	5 5
F 14	19 55	9 49	4 4	19 37	3 12	21 0	1 8	17 57	1 45	10 20	1 21	4 5	2 27	23 32	0 9	17 57	1 41	14 58	17 14	6 57	7 19	6 39	6 9	5 5
S 15	19 41	6 10	3 20	19 48	3 3	20 44	1 9	18 5	1 46	10 22	1 21	4 7	2 27	23 32	0 9	17 57	1 41	14 58	17 14	6 53	7 18	6 40	6 8	5 5
S 16	19 27	2 20	2 27	19 59	2 53	20 28	1 11	18 12	1 46	10 24	1 21	4 8	2 26	23 32	0 9	17 57	1 41	14 59	17 15	6 51	7 17	6 42	6 7	5 5
M17	19 13	1n32	1 28	20 9	2 43	20 11	1 12	18 20	1 46	10 27	1 22	4 10	2 26	23 32	0 9	17 57	1 41	15 0	17 15	6 49	7 15	6 44	6 6	5 4
T 18	18 58	5 17	0 26	20 19	2 32	19 54	1 13	18 27	1 46	10 29	1 22	4 12	2 26	23 33	0 9	17 57	1 41	15 1	17 16	6 49	7 14	6 46	6 4	5 4
W19	18 43	8 49	0s36	20 29	2 21	19 35	1 15	18 34	1 46	10 31	1 22	4 14	2 26	23 33	0 9	17 57	1 41	15 1	17 16	6 49	7 13	6 47	6 3	5 4
T 20	18 27	12 0	1 38	20 39	2 10	19 17	1 16	18 42	1 46	10 34	1 22	4 15	2 25	23 33	0 9	17 57	1 41	15 2	17 17	6 49	7 12	6 49	6 2	5 4
F 21	18 12	14 44	2 35	20 48	1 59	18 58	1 17	18 49	1 46	10 36	1 23	4 17	2 25	23 33	0 9	17 57	1 41	15 3	17 17	6 49	7 11	6 51	6 1	5 4
S 22	17 55	16 51	3 27	20 56	1 47	18 38	1 18	18 57	1 47	10 39	1 23	4 19	2 25	23 33	0 9	17 57	1 41	15 4	17 18	6 48	7 9	6 53	6 0	5 3
S 23	17 39	18 14	4 10	21 3	1 36	18 18	1 19	19 4	1 47	10 41	1 23	4 21	2 25	23 33	0 9	17 57	1 41	15 4	17 18	6 46	7 8	6 54	5 59	5 3
M24	17 22	18 45	4 42	21 10	1 24	17 57	1 20	19 12	1 47	10 44	1 23	4 23	2 24	23 33	0 9	17 57	1 41	15 5	17 19	6 43	7 7	6 56	5 58	5 3
T 25	17 5	18 16	5 1	21 16	1 13	17 35	1 21	19 19	1 47	10 47	1 23	4 25	2 24	23 34	0 9	17 57	1 41	15 6	17 19	6 40	7 6	6 58	5 57	5 3
W26	16 48	16 46	5 3	21 21	1 2	17 14	1 22	19 27	1 47	10 49	1 24	4 27	2 24	23 34	0 9	17 57	1 40	15 7	17 20	6 36	7 5	6 59	5 55	5 3
T 27	16 31	14 14	4 47	21 25	0 51	16 51	1 22	19 34	1 47	10 52	1 24	4 29	2 24	23 34	0 9	17 57	1 40	15 8	17 20	6 32	7 3	7 1	5 54	5 3
F 28	16 13	10 49	4 13	21 28	0 40	16 29	1 23	19 41	1 47	10 55	1 24	4 31	2 23	23 34	0 9	17 57	1 40	15 8	17 20	6 28	7 2	7 3	5 53	5 3
S 29	15 55	6 41	3 23	21 30	0 30	16 5	1 24	19 49	1 47	10 58	1 24	4 34	2 23	23 34	0 9	17 57	1 40	15 9	17 21	6 25	7 1	7 5	5 52	5 3
S 30	15 36	2 9	2 19	21 31	0 20	15 42	1 24	19 56	1 47	11 0	1 24	4 36	2 23	23 34	0 9	17 57	1 40	15 10	17 21	6 23	7 0	7 6	5 50	5 2
M31	15s17	2s31	1s 5	21s31	0n10	15s18	1s25	20n 3	1n47	11n 3	1n24	4n38	2s23	23s34	0s 9	17n57	1s40	15n11	17n22	6s22	6s58	7n 8	5s49	5n 2

Julian Day Number = 2171411.5, Delta T = 12m17s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'41, Lahiri = 13°09'41 Julian Calendar 1 Jan. 1233 == Greg. Calendar 8 Jan. 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

FEBRUARY 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 12 48	19♒40'44	18♎17	23♉26	24♒ 5	22♉26	4°R48	17♈25	24♐27	27♉ 3	1°R45	16°D 6	17♎39	18♈21	2♓51	T 1
W 2	9 16 44	20°41'10	2♏36	24°34	25°21	22°55	4♍41	17°30	24°29	27° 4	1♎44	16♎ 7	17°36	18°27	2°55	W 2
T 3	9 20 41	21°41'35	16°43	25°43	26°36	23°23	4°33	17°35	24°32	27° 4	1°43	16°R 8	17°33	18°34	2°58	T 3
F 4	9 24 37	22°41'59	0♐38	26°54	27°51	23°52	4°26	17°41	24°34	27° 4	1°41	16° 7	17°29	18°41	3° 2	F 4
S 5	9 28 34	23°42'21	14°20	28° 8	29° 6	24°20	4°18	17°46	24°36	27° 4	1°40	16° 5	17°26	18°47	3° 6	S 5
S 6	9 32 31	24°42'42	27°50	29°22	0♓21	24°49	4°11	17°52	24°38	27° 4	1°39	16° 1	17°23	18°54	3°10	S 6
M 7	9 36 27	25°43'02	11♑ 8	0♒39	1°36	25°18	4° 3	17°58	24°41	27° 5	1°38	15°55	17°20	19° 1	3°14	M 7
T 8	9 40 24	26°43'20	24°14	1°57	2°51	25°48	3°55	18° 3	24°43	27° 5	1°36	15°46	17°17	19° 7	3°18	T 8
W 9	9 44 20	27°43'36	7♒ 7	3°17	4° 5	26°17	3°47	18° 9	24°45	27° 5	1°35	15°37	17°14	19°14	3°22	W 9
T 10	9 48 17	28°43'50	19°48	4°38	5°20	26°47	3°40	18°15	24°47	27° 6	1°34	15°28	17°10	19°21	3°25	T 10
F 11	9 52 13	29°44'03	2♓16	6° 1	6°35	27°16	3°32	18°21	24°49	27° 6	1°32	15°21	17° 7	19°27	3°29	F 11
S 12	9 56 10	0♓44'14	14°32	7°25	7°50	27°46	3°24	18°27	24°51	27° 6	1°31	15°14	17° 4	19°34	3°33	S 12
S 13	10 0 6	1°44'23	26°36	8°50	9° 5	28°16	3°16	18°33	24°53	27° 7	1°30	15°10	17° 1	19°41	3°37	S 13
M14	10 4 3	2°44'29	8♈32	10°16	10°20	28°46	3° 8	18°39	24°55	27° 7	1°28	15° 8	16°58	19°47	3°41	M14
T 15	10 8 0	3°44'34	20°21	11°44	11°35	29°17	3° 0	18°45	24°57	27° 8	1°27	15°D 8	16°54	19°54	3°45	T 15
W16	10 11 56	4°44'37	2♉ 7	13°13	12°50	29°47	2°53	18°52	24°58	27° 9	1°25	15° 9	16°51	20° 1	3°49	W16
T 17	10 15 53	5°44'37	13°56	14°43	14° 4	0♊18	2°45	18°58	25° 0	27° 9	1°24	15°11	16°48	20° 7	3°53	T 17
F 18	10 19 49	6°44'36	25°50	16°14	15°19	0°49	2°37	19° 4	25° 2	27°10	1°23	15°13	16°45	20°14	3°56	F 18
S 19	10 23 46	7°44'32	7♊57	17°47	16°34	1°20	2°29	19°11	25° 4	27°10	1°21	15°R13	16°42	20°20	4° 0	S 19
S 20	10 27 42	8°44'26	20°20	19°21	17°49	1°50	2°21	19°17	25° 5	27°11	1°20	15°12	16°39	20°27	4° 4	S 20
M21	10 31 39	9°44'18	3♋ 4	20°56	19° 3	2°22	2°14	19°24	25° 7	27°12	1°18	15°10	16°35	20°34	4° 8	M21
T 22	10 35 35	10°44'07	16°14	22°32	20°18	2°53	2° 6	19°30	25° 8	27°13	1°17	15° 6	16°32	20°40	4°12	T 22
W23	10 39 32	11°43'55	29°50	24° 9	21°33	3°24	1°58	19°37	25°10	27°14	1°15	15° 2	16°29	20°47	4°16	W23
T 24	10 43 29	12°43'40	13♌53	25°47	22°47	3°56	1°51	19°43	25°11	27°14	1°13	14°56	16°26	20°54	4°20	T 24
F 25	10 47 25	13°43'23	28°21	27°27	24° 2	4°27	1°43	19°50	25°13	27°15	1°12	14°52	16°23	21° 0	4°23	F 25
S 26	10 51 22	14°43'03	13♍ 6	29° 8	25°16	4°59	1°36	19°57	25°14	27°16	1°10	14°48	16°20	21° 7	4°27	S 26
S 27	10 55 18	15°42'42	28° 2	0♓50	26°31	5°30	1°28	20° 4	25°15	27°17	1° 9	14°46	16°16	21°14	4°31	S 27
M28	10 59 15	16♓42'19	13♎ 1	2♓33	27♓45	6♊ 2	1♍21	20♈11	25♐16	27♉18	1♎ 7	14°D45	16♎13	21♈20	4♓35	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s58	7s 1	0n12	21s30	0s 0	14s53	1s25	20n11	1n47	11n 6	1n25	4n40	2s23	23s34	0s 9	17n57	1s40	15n12	17n22	6s22	6s57	7n10	5s48	5n 2
W 2	14 39	11 3	1 27	21 27	0 10	14 28	1 26	20 18	1 47	11 9	1 25	4 42	2 22	23 35	0 9	17 57	1 40	15 12	17 23	6 22	6 56	7 12	5 47	5 2
T 3	14 20	14 24	2 37	21 23	0 19	14 3	1 26	20 25	1 47	11 12	1 25	4 45	2 22	23 35	0 9	17 58	1 40	15 13	17 23	6 22	6 55	7 13	5 46	5 2
F 4	14 0	16 51	3 36	21 19	0 27	13 37	1 26	20 33	1 47	11 15	1 25	4 47	2 22	23 35	0 9	17 58	1 40	15 14	17 23	6 22	6 54	7 15	5 44	5 2
S 5	13 40	18 17	4 22	21 12	0 36	13 11	1 26	20 40	1 47	11 17	1 25	4 49	2 22	23 35	0 9	17 58	1 40	15 15	17 24	6 21	6 52	7 17	5 43	5 2
S 6	13 20	18 39	4 52	21 5	0 44	12 45	1 27	20 47	1 47	11 20	1 25	4 51	2 22	23 35	0 9	17 58	1 40	15 16	17 24	6 20	6 51	7 18	5 42	5 2
M 7	13 0	17 59	5 6	20 56	0 52	12 18	1 27	20 54	1 47	11 23	1 25	4 54	2 21	23 35	0 9	17 58	1 40	15 17	17 25	6 17	6 50	7 20	5 40	5 2
T 8	12 39	16 22	5 4	20 46	0 59	11 51	1 27	21 1	1 47	11 26	1 25	4 56	2 21	23 35	0 9	17 58	1 40	15 18	17 25	6 14	6 49	7 22	5 39	5 1
W 9	12 19	13 57	4 46	20 35	1 7	11 24	1 27	21 8	1 47	11 29	1 26	4 59	2 21	23 35	0 9	17 58	1 40	15 18	17 25	6 10	6 47	7 24	5 38	5 1
T 10	11 58	10 55	4 14	20 22	1 13	10 56	1 26	21 15	1 47	11 32	1 26	5 1	2 21	23 35	0 9	17 58	1 40	15 19	17 26	6 7	6 46	7 25	5 36	5 1
F 11	11 37	7 26	3 31	20 8	1 20	10 28	1 26	21 22	1 47	11 35	1 26	5 3	2 21	23 36	0 9	17 59	1 39	15 20	17 26	6 4	6 45	7 27	5 35	5 1
S 12	11 15	3 41	2 38	19 53	1 26	10 0	1 26	21 29	1 47	11 38	1 26	5 6	2 20	23 36	0 9	17 59	1 39	15 21	17 26	6 2	6 44	7 29	5 34	5 1
S 13	10 54	0n 9	1 39	19 36	1 32	9 31	1 26	21 35	1 47	11 41	1 26	5 8	2 20	23 36	0 9	17 59	1 39	15 22	17 27	6 0	6 43	7 30	5 32	5 1
M14	10 32	3 57	0 36	19 18	1 37	9 2	1 25	21 42	1 47	11 44	1 26	5 11	2 20	23 36	0 9	17 59	1 39	15 23	17 27	5 59	6 41	7 32	5 31	5 1
T 15	10 11	7 33	0s28	18 59	1 42	8 33	1 25	21 49	1 47	11 47	1 26	5 13	2 20	23 36	0 10	17 59	1 39	15 23	17 27	5 59	6 40	7 34	5 30	5 1
W16	9 49	10 50	1 31	18 38	1 47	8 4	1 24	21 55	1 46	11 50	1 26	5 16	2 20	23 36	0 10	17 59	1 39	15 24	17 28	6 0	6 39	7 35	5 28	5 1
T 17	9 27	13 41	2 30	18 16	1 52	7 35	1 24	22 2	1 46	11 53	1 26	5 18	2 19	23 36	0 10	18 0	1 39	15 25	17 28	6 0	6 38	7 37	5 27	5 1
F 18	9 4	16 0	3 24	17 52	1 55	7 5	1 23	22 8	1 46	11 55	1 26	5 21	2 19	23 36	0 10	18 0	1 39	15 26	17 28	6 1	6 36	7 39	5 26	5 1
S 19	8 42	17 38	4 9	17 27	1 59	6 35	1 23	22 14	1 46	11 58	1 26	5 24	2 19	23 36	0 10	18 0	1 39	15 27	17 29	6 1	6 35	7 41	5 24	5 1
S 20	8 20	18 28	4 44	17 1	2 2	6 5	1 22	22 21	1 46	12 1	1 26	5 26	2 19	23 36	0 10	18 0	1 39	15 28	17 29	6 1	6 34	7 42	5 23	5 1
M21	7 57	18 25	5 6	16 33	2 5	5 35	1 21	22 27	1 46	12 4	1 26	5 29	2 19	23 36	0 10	18 1	1 39	15 28	17 29	6 0	6 33	7 44	5 22	5 1
T 22	7 34	17 23	5 12	16 4	2 7	5 5	1 20	22 33	1 46	12 7	1 26	5 31	2 19	23 36	0 10	18 1	1 39	15 29	17 29	5 58	6 32	7 46	5 20	5 1
W23	7 11	15 21	5 2	15 33	2 9	4 35	1 19	22 39	1 46	12 10	1 26	5 34	2 18	23 36	0 10	18 1	1 39	15 30	17 30	5 57	6 30	7 47	5 19	5 1
T 24	6 49	12 21	4 34	15 2	2 11	4 4	1 18	22 45	1 46	12 12	1 26	5 37	2 18	23 37	0 10	18 1	1 39	15 31	17 30	5 55	6 29	7 49	5 18	5 1
F 25	6 26	8 32	3 47	14 28	2 12	3 34	1 17	22 51	1 45	12 15	1 26	5 39	2 18	23 37	0 10	18 2	1 39	15 32	17 30	5 53	6 28	7 51	5 16	5 1
S 26	6 3	4 8	2 45	13 54	2 13	3 3	1 16	22 56	1 45	12 18	1 26	5 42	2 18	23 37	0 10	18 2	1 39	15 33	17 30	5 51	6 27	7 52	5 15	5 1
S 27	5 39	0s36	1 31	13 18	2 13	2 32	1 15	23 2	1 45	12 20	1 26	5 45	2 18	23 37	0 10	18 2	1 39	15 33	17 30	5 50	6 25	7 54	5 13	5 1
M28	5s16	5s18	0s 9	12s40	2s13	2s 1	1s13	23n 8	1n45	12n23	1n26	5n48	2s18	23s37	0s10	18n 2	1s38	15n34	17n31	5s50	6s24	7n56	5s12	5n 1

Julian Day Number = 2171442.5, Delta T = 12m16s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'45, Lahiri = 13°09'46 Julian Calendar 1 Feb. 1233 == Greg. Calendar 8 Feb. 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

MARCH 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 3 11	17♓41'53	27♎54	4♓18	29♓ 0	6♊34	1°R14	20♈17	25♐18	27♉19	1°R 5	14♎45	16♎10	21♈27	4♓39	T 1
W 2	11 7 8	18°41'26	12♏35	6° 4	0♈14	7° 6	1♍ 6	20°24	25°19	27°20	1♎ 4	14°46	16° 7	21°34	4°42	W 2
T 3	11 11 4	19°40'57	26°58	7°51	1°29	7°38	0°59	20°31	25°20	27°21	1° 2	14°48	16° 4	21°40	4°46	T 3
F 4	11 15 1	20°40'27	11♐ 2	9°39	2°43	8°11	0°52	20°38	25°21	27°22	1° 1	14°49	16° 0	21°47	4°50	F 4
S 5	11 18 57	21°39'55	24°46	11°29	3°58	8°43	0°45	20°46	25°22	27°23	0°59	14°R49	15°57	21°53	4°54	S 5
S 6	11 22 54	22°39'21	8♑10	13°20	5°12	9°15	0°38	20°53	25°23	27°24	0°57	14°48	15°54	22° 0	4°57	S 6
M 7	11 26 51	23°38'45	21°15	15°12	6°26	9°48	0°32	21° 0	25°23	27°26	0°56	14°47	15°51	22° 7	5° 1	M 7
T 8	11 30 47	24°38'07	4♒ 4	17° 5	7°41	10°20	0°25	21° 7	25°24	27°27	0°54	14°44	15°48	22°13	5° 5	T 8
W 9	11 34 44	25°37'28	16°39	19° 0	8°55	10°53	0°18	21°14	25°25	27°28	0°52	14°41	15°45	22°20	5° 9	W 9
T 10	11 38 40	26°36'46	29° 1	20°56	10° 9	11°26	0°12	21°21	25°26	27°29	0°51	14°38	15°41	22°27	5°12	T 10
F 11	11 42 37	27°36'02	11♓13	22°54	11°24	11°59	0° 6	21°29	25°26	27°31	0°49	14°36	15°38	22°33	5°16	F 11
S 12	11 46 33	28°35'17	23°15	24°52	12°38	12°32	29♌59	21°36	25°27	27°32	0°47	14°34	15°35	22°40	5°19	S 12
S 13	11 50 30	29°34'29	5♈11	26°52	13°52	13° 5	29°53	21°43	25°28	27°33	0°46	14°33	15°32	22°47	5°23	S 13
M14	11 54 26	0♈33'40	17° 1	28°53	15° 6	13°38	29°48	21°51	25°28	27°35	0°44	14°D32	15°29	22°53	5°27	M14
T 15	11 58 23	1°32'48	28°49	0♈55	16°20	14°11	29°42	21°58	25°29	27°36	0°42	14°33	15°25	23° 0	5°30	T 15
W16	12 2 20	2°31'54	10♉36	2°58	17°34	14°44	29°36	22° 6	25°29	27°37	0°41	14°34	15°22	23° 7	5°34	W16
T 17	12 6 16	3°30'58	22°25	5° 1	18°49	15°17	29°31	22°13	25°29	27°39	0°39	14°35	15°19	23°13	5°37	T 17
F 18	12 10 13	4°29'59	4♊22	7° 6	20° 3	15°51	29°25	22°20	25°30	27°40	0°37	14°36	15°16	23°20	5°41	F 18
S 19	12 14 9	5°28'58	16°29	9°10	21°17	16°24	29°20	22°28	25°30	27°42	0°36	14°37	15°13	23°27	5°44	S 19
S 20	12 18 6	6°27'55	28°50	11°15	22°31	16°58	29°15	22°35	25°30	27°43	0°34	14°37	15°10	23°33	5°48	S 20
M21	12 22 2	7°26'50	11♋31	13°20	23°45	17°31	29°10	22°43	25°30	27°45	0°32	14°R37	15° 6	23°40	5°51	M21
T 22	12 25 59	8°25'42	24°34	15°25	24°59	18° 5	29° 5	22°51	25°30	27°47	0°31	14°37	15° 3	23°46	5°55	T 22
W23	12 29 55	9°24'32	8♌ 4	17°29	26°13	18°38	29° 1	22°58	25°R30	27°48	0°29	14°37	15° 0	23°53	5°58	W23
T 24	12 33 52	10°23'20	22° 0	19°33	27°26	19°12	28°56	23° 6	25°30	27°50	0°27	14°36	14°57	24° 0	6° 1	T 24
F 25	12 37 49	11°22'05	6♍23	21°35	28°40	19°46	28°52	23°13	25°30	27°51	0°26	14°36	14°54	24° 6	6° 5	F 25
S 26	12 41 45	12°20'49	21° 9	23°36	29°54	20°20	28°48	23°21	25°30	27°53	0°24	14°35	14°51	24°13	6° 8	S 26
S 27	12 45 42	13°19'30	6♎12	25°35	1♉ 8	20°54	28°44	23°29	25°30	27°55	0°22	14°35	14°47	24°20	6°11	S 27
M28	12 49 38	14°18'08	21°23	27°31	2°22	21°28	28°40	23°36	25°30	27°57	0°21	14°35	14°44	24°26	6°14	M28
T 29	12 53 35	15°16'46	6♏34	29°26	3°35	22° 2	28°37	23°44	25°29	27°58	0°19	14°35	14°41	24°33	6°18	T 29
W30	12 57 31	16°15'21	21°34	1♉17	4°49	22°36	28°33	23°52	25°29	28° 0	0°18	14°35	14°38	24°40	6°21	W30
T 31	13 1 28	17♈13'54	6♐16	3♉ 5	6♉ 3	23♊10	28♌30	23♈59	25♐29	28♉ 2	0♎16	14♎35	14♎35	24♈46	6♓24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s53	9s39	1n12	12s 1	2s12	1s30	1s12	23n13	1n45	12n26	1n26	5n50	2s18	23s37	0s10	18n 3	1s38	15n35	17n31	5s50	6s23	7n57	5s11	5n 1
W 2	4 29	13 20	2 27	11 21	2 11	0 59	1 11	23 18	1 45	12 28	1 26	5 53	2 17	23 37	0 10	18 3	1 38	15 36	17 31	5 51	6 22	7 59	5 9	5 1
T 3	4 6	16 7	3 32	10 39	2 9	0 28	1 9	23 23	1 45	12 31	1 26	5 56	2 17	23 37	0 10	18 3	1 38	15 36	17 31	5 51	6 21	8 1	5 8	5 1
F 4	3 43	17 51	4 22	9 56	2 7	0n 3	1 8	23 29	1 44	12 33	1 26	5 58	2 17	23 37	0 10	18 3	1 38	15 37	17 31	5 52	6 19	8 2	5 7	5 1
S 5	3 19	18 30	4 56	9 12	2 4	0 34	1 6	23 34	1 44	12 36	1 26	6 1	2 17	23 37	0 10	18 4	1 38	15 38	17 31	5 52	6 18	8 4	5 5	5 1
S 6	2 56	18 4	5 13	8 27	2 1	1 5	1 5	23 39	1 44	12 38	1 26	6 4	2 17	23 37	0 10	18 4	1 38	15 39	17 31	5 51	6 17	8 6	5 4	5 1
M 7	2 32	16 41	5 13	7 40	1 58	1 36	1 3	23 43	1 44	12 40	1 26	6 7	2 17	23 37	0 10	18 4	1 38	15 40	17 32	5 51	6 16	8 7	5 2	5 1
T 8	2 8	14 30	4 58	6 51	1 53	2 7	1 2	23 48	1 44	12 43	1 26	6 10	2 17	23 37	0 10	18 5	1 38	15 40	17 32	5 50	6 14	8 9	5 1	5 1
W 9	1 45	11 39	4 28	6 2	1 49	2 38	1 0	23 53	1 44	12 45	1 26	6 12	2 17	23 37	0 10	18 5	1 38	15 41	17 32	5 49	6 13	8 11	5 0	5 1
T 10	1 21	8 20	3 46	5 11	1 43	3 9	0 58	23 57	1 43	12 47	1 26	6 15	2 16	23 37	0 10	18 5	1 38	15 42	17 32	5 47	6 12	8 12	4 58	5 1
F 11	0 57	4 42	2 54	4 19	1 38	3 40	0 56	24 1	1 43	12 49	1 26	6 18	2 16	23 37	0 10	18 6	1 38	15 43	17 32	5 46	6 11	8 14	4 57	5 1
S 12	0 34	0 55	1 55	3 27	1 31	4 11	0 54	24 5	1 43	12 51	1 26	6 21	2 16	23 37	0 10	18 6	1 38	15 43	17 32	5 46	6 10	8 16	4 56	5 1
S 13	0 10	2n51	0 52	2 32	1 24	4 41	0 52	24 10	1 43	12 54	1 26	6 24	2 16	23 37	0 10	18 6	1 38	15 44	17 32	5 45	6 8	8 17	4 54	5 1
M14	0n13	6 30	0s14	1 37	1 17	5 12	0 50	24 13	1 43	12 56	1 26	6 27	2 16	23 37	0 10	18 7	1 38	15 45	17 32	5 45	6 7	8 19	4 53	5 1
T 15	0 37	9 52	1 18	0 42	1 9	5 42	0 48	24 17	1 42	12 58	1 26	6 29	2 16	23 38	0 10	18 7	1 38	15 45	17 32	5 45	6 6	8 21	4 51	5 1
W16	1 1	12 51	2 20	0n15	1 1	6 13	0 46	24 21	1 42	12 59	1 25	6 32	2 16	23 38	0 10	18 8	1 38	15 46	17 32	5 46	6 5	8 22	4 50	5 1
T 17	1 24	15 18	3 15	1 12	0 52	6 43	0 44	24 25	1 42	13 1	1 25	6 35	2 16	23 38	0 10	18 8	1 38	15 47	17 32	5 46	6 3	8 24	4 49	5 2
F 18	1 48	17 7	4 3	2 10	0 43	7 13	0 42	24 28	1 42	13 3	1 25	6 38	2 16	23 38	0 10	18 8	1 37	15 47	17 32	5 47	6 2	8 26	4 47	5 2
S 19	2 11	18 12	4 41	3 9	0 33	7 43	0 40	24 31	1 42	13 5	1 25	6 41	2 16	23 38	0 10	18 9	1 37	15 48	17 32	5 47	6 1	8 27	4 46	5 2
S 20	2 35	18 26	5 6	4 7	0 23	8 13	0 38	24 34	1 41	13 6	1 25	6 44	2 16	23 38	0 10	18 9	1 37	15 49	17 32	5 47	6 0	8 29	4 45	5 2
M21	2 58	17 46	5 17	5 6	0 12	8 42	0 35	24 38	1 41	13 8	1 25	6 47	2 15	23 38	0 10	18 9	1 37	15 49	17 32	5 47	5 58	8 31	4 43	5 2
T 22	3 21	16 9	5 13	6 4	0 2	9 12	0 33	24 40	1 41	13 10	1 25	6 49	2 15	23 38	0 10	18 10	1 37	15 50	17 32	5 47	5 57	8 32	4 42	5 2
W23	3 45	13 37	4 52	7 2	0n 9	9 41	0 31	24 43	1 41	13 11	1 25	6 52	2 15	23 38	0 10	18 10	1 37	15 50	17 32	5 47	5 56	8 34	4 41	5 2
T 24	4 8	10 14	4 13	8 0	0 20	10 10	0 28	24 46	1 40	13 13	1 25	6 55	2 15	23 38	0 10	18 11	1 37	15 51	17 32	5 47	5 55	8 36	4 39	5 2
F 25	4 31	6 9	3 17	8 56	0 32	10 38	0 26	24 48	1 40	13 14	1 24	6 58	2 15	23 38	0 10	18 11	1 37	15 52	17 32	5 47	5 53	8 37	4 38	5 2
S 26	4 54	1 35	2 7	9 52	0 43	11 7	0 24	24 51	1 40	13 15	1 24	7 1	2 15	23 38	0 10	18 12	1 37	15 52	17 32	5 46	5 52	8 39	4 37	5 2
S 27	5 17	3s11	0 47	10 46	0 54	11 35	0 21	24 53	1 40	13 17	1 24	7 4	2 15	23 38	0 10	18 12	1 37	15 53	17 32	5 46	5 51	8 40	4 35	5 3
M28	5 40	7 47	0n38	11 39	1 5	12 3	0 19	24 55	1 40	13 18	1 24	7 7	2 15	23 38	0 10	18 12	1 37	15 53	17 31	5 46	5 50	8 42	4 34	5 3
T 29	6 2	11 53	1 59	12 30	1 16	12 30	0 16	24 57	1 39	13 19	1 24	7 9	2 15	23 38	0 10	18 13	1 37	15 54	17 31	5 46	5 49	8 44	4 33	5 3
W30	6 25	15 9	3 12	13 19	1 27	12 58	0 14	24 59	1 39	13 20	1 24	7 12	2 15	23 38	0 10	18 13	1 37	15 54	17 31	5 46	5 47	8 45	4 32	5 3
T 31	6n48	17s20	4n10	14n 6	1n37	13n25	0s11	25n 0	1n39	13n21	1n24	7n15	2s15	23s38	0s10	18n14	1s37	15n55	17n31	5s46	5s46	8n47	4s30	5n 3

Julian Day Number = 2171470.5, Delta T = 12m16s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'49, Lahiri = 13°09'50 Julian Calendar 1 March 1233 == Greg. Calendar 8 March 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

APRIL 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 5 24	18♈12'26	20♐35	4♉50	7♉16	23♊44	28°R27	24♈ 7	25°R28	28♉ 4	0°R14	14°R35	14♎31	24♈53	6♓27	F 1
S 2	13 9 21	19°10'56	4♑29	6°31	8°30	24°18	28♌24	24°15	25♐28	28° 5	0♎13	14♎34	14°28	25° 0	6°30	S 2
S 3	13 13 17	20° 9'25	17°56	8° 8	9°43	24°53	28°21	24°22	25°27	28° 7	0°11	14°D34	14°25	25° 6	6°33	S 3
M 4	13 17 14	21° 7'52	1♒ 0	9°41	10°57	25°27	28°19	24°30	25°27	28° 9	0°10	14°34	14°22	25°13	6°36	M 4
T 5	13 21 11	22° 6'17	13°43	11°10	12°10	26° 1	28°16	24°38	25°26	28°11	0° 8	14°35	14°19	25°19	6°39	T 5
W 6	13 25 7	23° 4'41	26° 7	12°35	13°24	26°36	28°14	24°46	25°26	28°13	0° 7	14°35	14°16	25°26	6°42	W 6
T 7	13 29 4	24° 3'03	8♓18	13°55	14°37	27°10	28°12	24°53	25°25	28°15	0° 5	14°36	14°12	25°33	6°45	T 7
F 8	13 33 0	25° 1'23	20°19	15°10	15°51	27°45	28°10	25° 1	25°24	28°17	0° 4	14°37	14° 9	25°39	6°48	F 8
S 9	13 36 57	25°59'41	2♈12	16°21	17° 4	28°19	28° 9	25° 9	25°23	28°19	0° 2	14°38	14° 6	25°46	6°51	S 9
S 10	13 40 53	26°57'58	14° 1	17°26	18°17	28°54	28° 7	25°16	25°22	28°21	0° 1	14°R38	14° 3	25°53	6°53	S 10
M11	13 44 50	27°56'13	25°48	18°27	19°31	29°28	28° 6	25°24	25°21	28°23	29♍59	14°38	14° 0	25°59	6°56	M11
T 12	13 48 46	28°54'27	7♉35	19°23	20°44	0♋ 3	28° 5	25°32	25°21	28°25	29°58	14°37	13°56	26° 6	6°59	T 12
W13	13 52 43	29°52'38	19°26	20°14	21°57	0°38	28° 4	25°40	25°20	28°27	29°57	14°35	13°53	26°13	7° 1	W13
T 14	13 56 40	0♉50'48	1♊21	21° 0	23°11	1°13	28° 3	25°47	25°19	28°29	29°55	14°33	13°50	26°19	7° 4	T 14
F 15	14 0 36	1°48'56	13°24	21°41	24°24	1°48	28° 3	25°55	25°17	28°31	29°54	14°30	13°47	26°26	7° 7	F 15
S 16	14 4 33	2°47'02	25°36	22°16	25°37	2°22	28° 3	26° 3	25°16	28°33	29°52	14°28	13°44	26°33	7° 9	S 16
S 17	14 8 29	3°45'06	8♋ 1	22°46	26°50	2°57	28°D 2	26°10	25°15	28°35	29°51	14°26	13°41	26°39	7°12	S 17
M18	14 12 26	4°43'08	20°43	23°11	28° 3	3°32	28° 2	26°18	25°14	28°37	29°50	14°24	13°37	26°46	7°14	M18
T 19	14 16 22	5°41'08	3♌43	23°31	29°16	4° 7	28° 3	26°26	25°13	28°39	29°49	14°D23	13°34	26°53	7°17	T 19
W20	14 20 19	6°39'07	17° 5	23°45	0♊29	4°42	28° 3	26°33	25°11	28°41	29°47	14°24	13°31	26°59	7°19	W20
T 21	14 24 15	7°37'03	0♍50	23°55	1°42	5°17	28° 4	26°41	25°10	28°43	29°46	14°25	13°28	27° 6	7°21	T 21
F 22	14 28 12	8°34'57	15° 1	23°R59	2°55	5°53	28° 4	26°49	25° 9	28°45	29°45	14°26	13°25	27°13	7°23	F 22
S 23	14 32 9	9°32'50	29°35	23°58	4° 8	6°28	28° 5	26°56	25° 7	28°47	29°44	14°27	13°22	27°19	7°26	S 23
S 24	14 36 5	10°30'41	14♎28	23°52	5°21	7° 3	28° 7	27° 4	25° 6	28°50	29°42	14°R28	13°18	27°26	7°28	S 24
M25	14 40 2	11°28'30	29°35	23°42	6°33	7°38	28° 8	27°12	25° 4	28°52	29°41	14°27	13°15	27°32	7°30	M25
T 26	14 43 58	12°26'18	14♏47	23°27	7°46	8°13	28° 9	27°19	25° 3	28°54	29°40	14°25	13°12	27°39	7°32	T 26
W27	14 47 55	13°24'04	29°54	23° 8	8°59	8°49	28°11	27°27	25° 1	28°56	29°39	14°22	13° 9	27°46	7°34	W27
T 28	14 51 51	14°21'49	14♐46	22°46	10°12	9°24	28°13	27°34	24°59	28°58	29°38	14°18	13° 6	27°52	7°36	T 28
F 29	14 55 48	15°19'33	29°17	22°20	11°24	9°59	28°15	27°42	24°58	29° 0	29°37	14°14	13° 2	27°59	7°38	F 29
S 30	14 59 44	16♉17'15	13♑21	21♉51	12♊37	10♋35	28♌17	27♈49	24♐56	29♉ 3	29♍36	14♎10	12♎59	28♈ 6	7♓40	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n10	18s22	4n51	14n51	1n47	13n51	0s 9	25n 2	1n39	13n22	1n23	7n18	2s15	23s38	0s10	18n14	1s37	15n55	17n31	5s46	5s45	8n49	4s29	5n 3
S 2	7 32	18 15	5 13	15 34	1 56	14 18	0 6	25 3	1 38	13 23	1 23	7 21	2 15	23 38	0 10	18 15	1 37	15 56	17 31	5 46	5 44	8 50	4 28	5 3
S 3	7 55	17 5	5 17	16 14	2 4	14 44	0 4	25 4	1 38	13 23	1 23	7 24	2 15	23 38	0 10	18 15	1 37	15 56	17 31	5 46	5 42	8 52	4 27	5 4
M 4	8 17	15 3	5 5	16 52	2 12	15 9	0 1	25 5	1 38	13 24	1 23	7 27	2 15	23 38	0 10	18 15	1 37	15 57	17 30	5 46	5 41	8 53	4 25	5 4
T 5	8 39	12 20	4 38	17 27	2 20	15 35	0n 2	25 6	1 38	13 25	1 23	7 30	2 15	23 38	0 10	18 16	1 37	15 57	17 30	5 46	5 40	8 55	4 24	5 4
W 6	9 0	9 7	3 58	17 59	2 26	16 0	0 4	25 7	1 37	13 25	1 23	7 32	2 15	23 38	0 10	18 16	1 37	15 58	17 30	5 46	5 39	8 57	4 23	5 4
T 7	9 22	5 34	3 9	18 29	2 32	16 24	0 7	25 7	1 37	13 26	1 22	7 35	2 15	23 38	0 10	18 17	1 37	15 58	17 30	5 47	5 37	8 58	4 22	5 4
F 8	9 43	1 51	2 11	18 56	2 36	16 48	0 10	25 8	1 37	13 26	1 22	7 38	2 15	23 38	0 10	18 17	1 37	15 58	17 30	5 47	5 36	9 0	4 20	5 4
S 9	10 5	1n56	1 9	19 21	2 40	17 12	0 12	25 8	1 37	13 27	1 22	7 41	2 15	23 38	0 10	18 18	1 37	15 59	17 29	5 47	5 35	9 2	4 19	5 4
S 10	10 26	5 36	0 3	19 43	2 43	17 35	0 15	25 8	1 36	13 27	1 22	7 44	2 15	23 38	0 10	18 18	1 37	15 59	17 29	5 48	5 34	9 3	4 18	5 5
M11	10 47	9 3	1s 2	20 2	2 45	17 58	0 18	25 8	1 36	13 27	1 22	7 47	2 15	23 38	0 10	18 19	1 36	15 59	17 29	5 47	5 32	9 5	4 17	5 5
T 12	11 8	12 9	2 4	20 18	2 46	18 20	0 20	25 8	1 36	13 28	1 22	7 49	2 15	23 38	0 11	18 19	1 36	16 0	17 29	5 47	5 31	9 6	4 16	5 5
W13	11 28	14 45	3 1	20 32	2 46	18 42	0 23	25 8	1 36	13 28	1 21	7 52	2 15	23 38	0 11	18 20	1 36	16 0	17 28	5 46	5 30	9 8	4 15	5 5
T 14	11 49	16 45	3 51	20 43	2 45	19 3	0 26	25 7	1 35	13 28	1 21	7 55	2 15	23 38	0 11	18 20	1 36	16 0	17 28	5 45	5 29	9 10	4 13	5 5
F 15	12 9	18 1	4 31	20 52	2 42	19 24	0 28	25 6	1 35	13 28	1 21	7 58	2 15	23 38	0 11	18 21	1 36	16 1	17 28	5 44	5 28	9 11	4 12	5 5
S 16	12 29	18 29	4 59	20 58	2 39	19 44	0 31	25 6	1 35	13 28	1 21	8 1	2 15	23 38	0 11	18 21	1 36	16 1	17 28	5 43	5 26	9 13	4 11	5 6
S 17	12 49	18 4	5 14	21 2	2 34	20 4	0 33	25 5	1 34	13 28	1 21	8 3	2 15	23 38	0 11	18 22	1 36	16 1	17 27	5 43	5 25	9 14	4 10	5 6
M18	13 9	16 46	5 14	21 3	2 29	20 23	0 36	25 3	1 34	13 28	1 20	8 6	2 15	23 38	0 11	18 22	1 36	16 1	17 27	5 42	5 24	9 16	4 9	5 6
T 19	13 28	14 34	4 58	21 1	2 22	20 42	0 39	25 2	1 34	13 27	1 20	8 9	2 15	23 38	0 11	18 23	1 36	16 2	17 27	5 42	5 23	9 18	4 8	5 6
W20	13 47	11 33	4 26	20 57	2 14	21 0	0 41	25 1	1 34	13 27	1 20	8 12	2 15	23 38	0 11	18 23	1 36	16 2	17 26	5 42	5 21	9 19	4 7	5 6
T 21	14 6	7 49	3 38	20 51	2 5	21 18	0 44	24 59	1 33	13 27	1 20	8 14	2 15	23 38	0 11	18 23	1 36	16 2	17 26	5 42	5 20	9 21	4 6	5 7
F 22	14 25	3 32	2 35	20 42	1 55	21 35	0 46	24 57	1 33	13 26	1 20	8 17	2 15	23 37	0 11	18 24	1 36	16 2	17 26	5 43	5 19	9 22	4 5	5 7
S 23	14 44	1s 4	1 21	20 31	1 43	21 52	0 49	24 55	1 33	13 26	1 20	8 20	2 15	23 37	0 11	18 24	1 36	16 2	17 25	5 43	5 18	9 24	4 4	5 7
S 24	15 2	5 44	0n 0	20 17	1 31	22 7	0 51	24 53	1 32	13 25	1 19	8 22	2 15	23 37	0 11	18 25	1 36	16 3	17 25	5 43	5 16	9 26	4 3	5 7
M25	15 20	10 5	1 22	20 2	1 18	22 23	0 54	24 51	1 32	13 24	1 19	8 25	2 15	23 37	0 11	18 25	1 36	16 3	17 25	5 43	5 15	9 27	4 2	5 7
T 26	15 38	13 48	2 39	19 44	1 4	22 37	0 56	24 49	1 32	13 24	1 19	8 28	2 15	23 37	0 11	18 26	1 36	16 3	17 24	5 42	5 14	9 29	4 1	5 8
W27	15 56	16 34	3 44	19 25	0 48	22 51	0 59	24 46	1 32	13 23	1 19	8 30	2 15	23 37	0 11	18 26	1 36	16 3	17 24	5 41	5 13	9 30	4 0	5 8
T 28	16 13	18 9	4 33	19 4	0 33	23 5	1 1	24 43	1 31	13 22	1 19	8 33	2 15	23 37	0 11	18 27	1 36	16 3	17 24	5 40	5 11	9 32	3 59	5 8
F 29	16 30	18 29	5 3	18 41	0 16	23 17	1 4	24 40	1 31	13 21	1 18	8 36	2 15	23 37	0 11	18 27	1 36	16 3	17 23	5 38	5 10	9 33	3 58	5 8
S 30	16n47	17s40	5n13	18n17	0s 1	23n30	1n 6	24n37	1n31	13n20	1n18	8n38	2s15	23s37	0s11	18n28	1s36	16n 3	17n23	5s36	5s 9	9n35	3s57	5n 9

Julian Day Number = 2171501.5, Delta T = 12m16s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'53, Lahiri = 13°09'54 Julian Calendar 1 Apr. 1233 == Greg. Calendar 8 Apr. 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

MAY 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 41	17♉14'57	26♋57	21°R21	13♊49	11♋10	28♌19	27♈57	24°R54	29♉ 5	29°R35	14°R 7	12♎56	28♈12	7♓42	S 1
M 2	15 7 38	18°12'37	10♒ 5	20♉48	15° 2	11°45	28°22	28° 4	24♐53	29° 7	29♍34	14♎ 5	12°53	28°19	7°44	M 2
T 3	15 11 34	19°10'16	22°48	20°14	16°14	12°21	28°25	28°11	24°51	29° 9	29°33	14°D 5	12°50	28°26	7°45	T 3
W 4	15 15 31	20° 7'55	5♓11	19°40	17°27	12°56	28°28	28°19	24°49	29°12	29°32	14° 6	12°47	28°32	7°47	W 4
T 5	15 19 27	21° 5'32	17°17	19° 5	18°39	13°32	28°31	28°26	24°47	29°14	29°31	14° 7	12°43	28°39	7°49	T 5
F 6	15 23 24	22° 3'08	29°13	18°32	19°52	14° 8	28°34	28°34	24°45	29°16	29°30	14° 9	12°40	28°46	7°50	F 6
S 7	15 27 20	23° 0'43	11♈ 2	17°59	21° 4	14°43	28°37	28°41	24°43	29°18	29°30	14°R10	12°37	28°52	7°52	S 7
S 8	15 31 17	23°58'17	22°48	17°28	22°16	15°19	28°41	28°48	24°41	29°20	29°29	14°10	12°34	28°59	7°53	S 8
M 9	15 35 13	24°55'50	4♉35	17° 0	23°29	15°54	28°44	28°55	24°39	29°23	29°28	14° 7	12°31	29° 6	7°55	M 9
T 10	15 39 10	25°53'22	16°26	16°34	24°41	16°30	28°48	29° 3	24°37	29°25	29°27	14° 3	12°28	29°12	7°56	T 10
W11	15 43 7	26°50'53	28°23	16°11	25°53	17° 6	28°52	29°10	24°35	29°27	29°26	13°58	12°24	29°19	7°58	W11
T 12	15 47 3	27°48'23	10♊28	15°52	27° 5	17°42	28°57	29°17	24°33	29°29	29°26	13°50	12°21	29°26	7°59	T 12
F 13	15 51 0	28°45'52	22°42	15°37	28°17	18°17	29° 1	29°24	24°31	29°32	29°25	13°42	12°18	29°32	8° 0	F 13
S 14	15 54 56	29°43'20	5♋ 6	15°25	29°29	18°53	29° 6	29°31	24°29	29°34	29°24	13°34	12°15	29°39	8° 1	S 14
S 15	15 58 53	0♊40'46	17°42	15°18	0♋41	19°29	29°10	29°38	24°27	29°36	29°24	13°27	12°12	29°45	8° 3	S 15
M16	16 2 49	1°38'12	0♌32	15°D15	1°53	20° 5	29°15	29°45	24°25	29°38	29°23	13°21	12° 8	29°52	8° 4	M16
T 17	16 6 46	2°35'36	13°36	15°16	3° 5	20°41	29°20	29°52	24°23	29°41	29°23	13°17	12° 5	29°59	8° 5	T 17
W18	16 10 42	3°32'59	26°56	15°22	4°17	21°17	29°25	29°59	24°20	29°43	29°22	13°16	12° 2	0♉ 5	8° 6	W18
T 19	16 14 39	4°30'21	10♍36	15°32	5°29	21°53	29°31	0♉ 6	24°18	29°45	29°22	13°D16	11°59	0°12	8° 7	T 19
F 20	16 18 36	5°27'41	24°34	15°47	6°40	22°29	29°36	0°13	24°16	29°47	29°21	13°16	11°56	0°19	8° 7	F 20
S 21	16 22 32	6°25'01	8♎52	16° 7	7°52	23° 5	29°42	0°19	24°14	29°50	29°21	13°R17	11°53	0°25	8° 8	S 21
S 22	16 26 29	7°22'19	23°28	16°30	9° 4	23°41	29°47	0°26	24°11	29°52	29°21	13°17	11°49	0°32	8° 9	S 22
M23	16 30 25	8°19'37	8♏18	16°58	10°15	24°17	29°53	0°33	24° 9	29°54	29°20	13°15	11°46	0°39	8°10	M23
T 24	16 34 22	9°16'54	23°16	17°31	11°27	24°53	29°59	0°39	24° 7	29°56	29°20	13°10	11°43	0°45	8°10	T 24
W25	16 38 18	10°14'10	8♐14	18° 7	12°38	25°29	0♍ 5	0°46	24° 4	29°59	29°20	13° 3	11°40	0°52	8°11	W25
T 26	16 42 15	11°11'25	23° 2	18°48	13°50	26° 6	0°12	0°53	24° 2	0♊ 1	29°19	12°55	11°37	0°59	8°11	T 26
F 27	16 46 11	12° 8'40	7♑32	19°33	15° 1	26°42	0°18	0°59	24° 0	0° 3	29°19	12°46	11°34	1° 5	8°12	F 27
S 28	16 50 8	13° 5'54	21°39	20°22	16°12	27°18	0°25	1° 5	23°57	0° 5	29°19	12°38	11°30	1°12	8°12	S 28
S 29	16 54 5	14° 3'08	5♒19	21°15	17°24	27°54	0°31	1°12	23°55	0° 7	29°19	12°30	11°27	1°19	8°13	S 29
M30	16 58 1	15° 0'22	18°30	22°11	18°35	28°31	0°38	1°18	23°53	0°10	29°19	12°25	11°24	1°25	8°13	M30
T 31	17 1 58	15♊57'35	1♓17	23♉12	19♋46	29♋ 7	0♍45	1♉24	23♐50	0♊12	29♍19	12♎22	11♎21	1♉32	8♓13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 3	15s51	5n 5	17n53	0s18	23n41	1n 8	24n34	1n30	13n19	1n18	8n41	2s15	23s37	0s11	18n28	1s36	16n 3	17n22	5s35	5s 8	9n37	3s56	5n 9
M 2	17 19	13 16	4 42	17 27	0 35	23 52	1 11	24 31	1 30	13 18	1 18	8 44	2 15	23 37	0 11	18 29	1 36	16 3	17 22	5 35	5 6	9 38	3 55	5 9
T 3	17 35	10 7	4 5	17 2	0 53	24 2	1 13	24 27	1 30	13 17	1 18	8 46	2 15	23 37	0 11	18 29	1 36	16 3	17 22	5 35	5 5	9 40	3 55	5 9
W 4	17 51	6 36	3 17	16 36	1 10	24 11	1 15	24 23	1 30	13 16	1 17	8 49	2 15	23 37	0 11	18 30	1 36	16 3	17 21	5 35	5 4	9 41	3 54	5 9
T 5	18 6	2 52	2 22	16 10	1 27	24 20	1 17	24 19	1 29	13 15	1 17	8 51	2 15	23 37	0 11	18 30	1 36	16 3	17 21	5 36	5 3	9 43	3 53	5 10
F 6	18 21	0n55	1 21	15 45	1 44	24 28	1 19	24 15	1 29	13 14	1 17	8 54	2 15	23 37	0 11	18 31	1 36	16 3	17 20	5 36	5 1	9 44	3 52	5 10
S 7	18 36	4 39	0 17	15 20	2 0	24 35	1 21	24 11	1 29	13 12	1 17	8 56	2 15	23 37	0 11	18 31	1 36	16 3	17 20	5 36	5 0	9 46	3 51	5 10
S 8	18 50	8 11	0s47	14 57	2 15	24 42	1 23	24 7	1 28	13 11	1 17	8 59	2 16	23 37	0 11	18 32	1 36	16 3	17 19	5 36	4 59	9 48	3 51	5 10
M 9	19 5	11 24	1 49	14 35	2 29	24 48	1 25	24 2	1 28	13 9	1 17	9 1	2 16	23 37	0 11	18 32	1 36	16 3	17 19	5 36	4 58	9 49	3 50	5 11
T 10	19 18	14 10	2 46	14 15	2 43	24 53	1 27	23 58	1 28	13 8	1 16	9 4	2 16	23 37	0 11	18 33	1 36	16 3	17 18	5 34	4 57	9 51	3 49	5 11
W11	19 32	16 21	3 37	13 57	2 55	24 57	1 29	23 53	1 27	13 6	1 16	9 6	2 16	23 36	0 11	18 33	1 36	16 3	17 18	5 32	4 55	9 52	3 48	5 11
T 12	19 45	17 51	4 18	13 41	3 7	25 1	1 31	23 48	1 27	13 4	1 16	9 9	2 16	23 36	0 11	18 34	1 36	16 2	17 18	5 29	4 54	9 54	3 48	5 11
F 13	19 58	18 32	4 48	13 26	3 17	25 4	1 33	23 43	1 27	13 3	1 16	9 11	2 16	23 36	0 11	18 34	1 36	16 2	17 17	5 26	4 53	9 55	3 47	5 12
S 14	20 10	18 22	5 5	13 14	3 26	25 7	1 34	23 38	1 26	13 1	1 16	9 13	2 16	23 36	0 11	18 35	1 36	16 2	17 17	5 23	4 52	9 57	3 46	5 12
S 15	20 23	17 17	5 7	13 5	3 34	25 8	1 36	23 32	1 26	12 59	1 15	9 16	2 16	23 36	0 11	18 35	1 36	16 2	17 16	5 20	4 50	9 59	3 46	5 12
M16	20 34	15 19	4 55	12 57	3 40	25 9	1 38	23 26	1 26	12 57	1 15	9 18	2 16	23 36	0 11	18 36	1 36	16 2	17 16	5 17	4 49	10 0	3 45	5 12
T 17	20 46	12 33	4 26	12 53	3 46	25 9	1 39	23 21	1 26	12 55	1 15	9 21	2 16	23 36	0 11	18 36	1 36	16 1	17 15	5 16	4 48	10 2	3 44	5 13
W18	20 57	9 5	3 43	12 50	3 50	25 9	1 41	23 15	1 25	12 53	1 15	9 23	2 16	23 36	0 11	18 37	1 36	16 1	17 15	5 15	4 47	10 3	3 44	5 13
T 19	21 8	5 3	2 47	12 50	3 54	25 7	1 42	23 9	1 25	12 51	1 15	9 25	2 17	23 36	0 11	18 37	1 36	16 1	17 14	5 15	4 45	10 5	3 43	5 13
F 20	21 18	0 39	1 39	12 52	3 56	25 5	1 43	23 3	1 25	12 49	1 15	9 27	2 17	23 36	0 11	18 38	1 36	16 1	17 14	5 16	4 44	10 6	3 43	5 13
S 21	21 28	3s54	0 24	12 57	3 57	25 3	1 45	22 56	1 24	12 47	1 14	9 30	2 17	23 36	0 11	18 38	1 36	16 0	17 13	5 16	4 43	10 8	3 42	5 14
S 22	21 38	8 18	0n55	13 3	3 57	24 59	1 46	22 50	1 24	12 45	1 14	9 32	2 17	23 36	0 11	18 39	1 36	16 0	17 13	5 16	4 42	10 9	3 42	5 14
M23	21 47	12 17	2 10	13 12	3 56	24 55	1 47	22 43	1 24	12 43	1 14	9 34	2 17	23 35	0 11	18 39	1 36	16 0	17 12	5 15	4 40	10 11	3 41	5 14
T 24	21 56	15 29	3 18	13 23	3 54	24 50	1 48	22 36	1 23	12 40	1 14	9 36	2 17	23 35	0 11	18 40	1 36	15 59	17 12	5 13	4 39	10 12	3 41	5 14
W25	22 4	17 38	4 11	13 36	3 51	24 45	1 49	22 29	1 23	12 38	1 14	9 39	2 17	23 35	0 11	18 40	1 36	15 59	17 11	5 11	4 38	10 14	3 40	5 15
T 26	22 13	18 34	4 47	13 51	3 47	24 38	1 50	22 22	1 23	12 36	1 14	9 41	2 17	23 35	0 11	18 40	1 36	15 59	17 11	5 7	4 37	10 15	3 40	5 15
F 27	22 20	18 16	5 4	14 7	3 43	24 31	1 51	22 15	1 22	12 33	1 13	9 43	2 18	23 35	0 11	18 41	1 36	15 58	17 10	5 4	4 35	10 17	3 39	5 15
S 28	22 28	16 50	5 1	14 25	3 38	24 24	1 52	22 7	1 22	12 31	1 13	9 45	2 18	23 35	0 11	18 41	1 36	15 58	17 10	5 0	4 34	10 19	3 39	5 15
S 29	22 35	14 28	4 42	14 44	3 32	24 15	1 52	22 0	1 22	12 28	1 13	9 47	2 18	23 35	0 11	18 42	1 36	15 57	17 9	4 58	4 33	10 20	3 39	5 16
M30	22 41	11 25	4 7	15 5	3 25	24 6	1 53	21 52	1 21	12 26	1 13	9 49	2 18	23 35	0 11	18 42	1 36	15 57	17 9	4 56	4 32	10 22	3 38	5 16
T 31	22n48	7s56	3n21	15n28	3s18	23n57	1n53	21n44	1n21	12n23	1n13	9n51	2s18	23s35	0s11	18n43	1s36	15n57	17n 8	4s54	4s30	10n23	3s38	5n16

Julian Day Number = 2171531.5, Delta T = 12m16s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°02'57, Lahiri = 13°09'58 Julian Calendar 1 May 1233 == Greg. Calendar 8 May 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

JUNE 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 5 54	16♊54'48	13♓41	24♉16	20♋57	29♋43	0♍52	1♉31	23°R48	0♊14	29°R19	12°D21	11♎18	1♉39	8♓13	W 1
T 2	17 9 51	17°52'01	25°48	25°24	22° 8	0♌20	1° 0	1°37	23♐45	0°16	29°D19	12♎21	11°14	1°45	8°14	T 2
F 3	17 13 47	18°49'13	7♈43	26°35	23°19	0°56	1° 7	1°43	23°43	0°18	29♍19	12°R22	11°11	1°52	8°14	F 3
S 4	17 17 44	19°46'26	19°31	27°50	24°30	1°32	1°14	1°49	23°40	0°20	29°19	12°21	11° 8	1°59	8°R14	S 4
S 5	17 21 40	20°43'38	1♉18	29° 8	25°41	2° 9	1°22	1°55	23°38	0°22	29°19	12°20	11° 5	2° 5	8°14	S 5
M 6	17 25 37	21°40'51	13° 8	0♊30	26°52	2°45	1°30	2° 1	23°36	0°25	29°19	12°16	11° 2	2°12	8°14	M 6
T 7	17 29 34	22°38'03	25° 5	1°56	28° 2	3°22	1°38	2° 7	23°33	0°27	29°19	12° 9	10°59	2°18	8°13	T 7
W 8	17 33 30	23°35'15	7♊10	3°25	29°13	3°58	1°46	2°13	23°31	0°29	29°19	12° 0	10°55	2°25	8°13	W 8
T 9	17 37 27	24°32'28	19°27	4°57	0♌24	4°35	1°54	2°18	23°28	0°31	29°19	11°49	10°52	2°32	8°13	T 9
F 10	17 41 23	25°29'40	1♋56	6°32	1°34	5°12	2° 2	2°24	23°26	0°33	29°20	11°37	10°49	2°38	8°13	F 10
S 11	17 45 20	26°26'51	14°38	8°11	2°45	5°48	2°10	2°30	23°23	0°35	29°20	11°24	10°46	2°45	8°12	S 11
S 12	17 49 16	27°24'03	27°31	9°53	3°55	6°25	2°19	2°35	23°21	0°37	29°20	11°13	10°43	2°52	8°12	S 12
M13	17 53 13	28°21'14	10♌37	11°37	5° 5	7° 2	2°27	2°41	23°19	0°39	29°21	11° 4	10°39	2°58	8°11	M13
T 14	17 57 9	29°18'25	23°54	13°25	6°16	7°38	2°36	2°46	23°16	0°41	29°21	10°57	10°36	3° 5	8°11	T 14
W15	18 1 6	0♋15'36	7♍24	15°16	7°26	8°15	2°45	2°51	23°14	0°43	29°21	10°53	10°33	3°12	8°10	W15
T 16	18 5 3	1°12'47	21° 5	17°10	8°36	8°52	2°54	2°57	23°11	0°45	29°22	10°52	10°30	3°18	8°10	T 16
F 17	18 8 59	2° 9'57	4♎59	19° 6	9°46	9°29	3° 3	3° 2	23° 9	0°47	29°22	10°52	10°27	3°25	8° 9	F 17
S 18	18 12 56	3° 7'07	19° 6	21° 5	10°56	10° 6	3°12	3° 7	23° 6	0°49	29°23	10°52	10°24	3°32	8° 8	S 18
S 19	18 16 52	4° 4'17	3♏25	23° 6	12° 6	10°42	3°21	3°12	23° 4	0°51	29°23	10°50	10°20	3°38	8° 7	S 19
M20	18 20 49	5° 1'27	17°55	25° 9	13°16	11°19	3°30	3°17	23° 2	0°53	29°24	10°47	10°17	3°45	8° 6	M20
T 21	18 24 45	5°58'37	2♐30	27°14	14°25	11°56	3°40	3°22	22°59	0°55	29°24	10°41	10°14	3°52	8° 6	T 21
W22	18 28 42	6°55'46	17° 6	29°20	15°35	12°33	3°49	3°27	22°57	0°57	29°25	10°32	10°11	3°58	8° 5	W22
T 23	18 32 38	7°52'56	1♑36	1♋27	16°44	13°10	3°59	3°32	22°55	0°59	29°26	10°22	10° 8	4° 5	8° 4	T 23
F 24	18 36 35	8°50'07	15°52	3°35	17°54	13°47	4° 8	3°36	22°52	1° 1	29°27	10°10	10° 5	4°12	8° 3	F 24
S 25	18 40 32	9°47'17	29°50	5°44	19° 3	14°24	4°18	3°41	22°50	1° 2	29°27	9°59	10° 1	4°18	8° 1	S 25
S 26	18 44 28	10°44'28	13♒24	7°53	20°12	15° 1	4°28	3°45	22°48	1° 4	29°28	9°49	9°58	4°25	8° 0	S 26
M27	18 48 25	11°41'40	26°34	10° 2	21°21	15°38	4°38	3°50	22°46	1° 6	29°29	9°42	9°55	4°32	7°59	M27
T 28	18 52 21	12°38'52	9♓20	12°11	22°30	16°15	4°48	3°54	22°43	1° 8	29°30	9°37	9°52	4°38	7°58	T 28
W29	18 56 18	13°36'05	21°45	14°19	23°39	16°53	4°58	3°58	22°41	1°10	29°31	9°34	9°49	4°45	7°56	W29
T 30	19 0 14	14♋33'18	3♈53	16♋26	24♌48	17♌30	5♍ 8	4♉ 3	22♐39	1♊11	29♍31	9♎34	9♎45	4♉52	7♓55	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n53	4s11	2n27	15n51	3s10	23n46	1n54	21n36	1n21	12n20	1n13	9n53	2s18	23s35	0s11	18n43	1s36	15n56	17n 7	4s54	4s29	10n25	3s38	5n16
T 2	22 59	0 21	1 27	16 16	3 1	23 35	1 54	21 28	1 20	12 18	1 12	9 55	2 18	23 35	0 11	18 44	1 36	15 56	17 7	4 54	4 28	10 26	3 37	5 17
F 3	23 4	3n27	0 25	16 41	2 52	23 24	1 54	21 20	1 20	12 15	1 12	9 57	2 19	23 34	0 11	18 44	1 36	15 55	17 6	4 54	4 27	10 28	3 37	5 17
S 4	23 8	7 5	0s38	17 7	2 42	23 11	1 55	21 11	1 20	12 12	1 12	9 59	2 19	23 34	0 11	18 44	1 36	15 55	17 6	4 54	4 25	10 29	3 37	5 17
S 5	23 13	10 25	1 39	17 34	2 32	22 58	1 55	21 3	1 19	12 9	1 12	10 1	2 19	23 34	0 11	18 45	1 36	15 54	17 5	4 53	4 24	10 31	3 37	5 17
M 6	23 16	13 22	2 36	18 2	2 22	22 45	1 55	20 54	1 19	12 6	1 12	10 3	2 19	23 34	0 11	18 45	1 36	15 54	17 5	4 52	4 23	10 32	3 36	5 18
T 7	23 20	15 46	3 27	18 29	2 11	22 31	1 55	20 45	1 19	12 3	1 12	10 5	2 19	23 34	0 11	18 46	1 36	15 53	17 4	4 49	4 22	10 34	3 36	5 18
W 8	23 23	17 31	4 8	18 57	2 0	22 16	1 55	20 36	1 18	12 0	1 12	10 7	2 19	23 34	0 11	18 46	1 36	15 53	17 4	4 46	4 20	10 35	3 36	5 18
T 9	23 25	18 29	4 39	19 26	1 49	22 0	1 54	20 27	1 18	11 57	1 11	10 8	2 20	23 34	0 11	18 47	1 36	15 52	17 3	4 41	4 19	10 37	3 36	5 18
F 10	23 28	18 34	4 57	19 54	1 37	21 44	1 54	20 18	1 17	11 54	1 11	10 10	2 20	23 34	0 11	18 47	1 36	15 51	17 3	4 37	4 18	10 38	3 36	5 19
S 11	23 29	17 45	5 1	20 22	1 25	21 28	1 53	20 8	1 17	11 51	1 11	10 12	2 20	23 34	0 11	18 47	1 36	15 51	17 2	4 32	4 17	10 40	3 36	5 19
S 12	23 31	16 0	4 50	20 49	1 13	21 11	1 53	19 59	1 17	11 48	1 11	10 14	2 20	23 33	0 11	18 48	1 36	15 50	17 2	4 27	4 15	10 41	3 36	5 19
M13	23 32	13 26	4 23	21 16	1 1	20 53	1 52	19 49	1 16	11 45	1 11	10 15	2 20	23 33	0 11	18 48	1 36	15 50	17 1	4 24	4 14	10 43	3 36	5 19
T 14	23 32	10 7	3 42	21 42	0 49	20 35	1 52	19 40	1 16	11 41	1 11	10 17	2 20	23 33	0 11	18 49	1 36	15 49	17 1	4 21	4 13	10 44	3 36	5 20
W15	23 32	6 14	2 47	22 7	0 37	20 16	1 51	19 30	1 16	11 38	1 11	10 19	2 21	23 33	0 11	18 49	1 36	15 48	17 0	4 20	4 12	10 46	3 36	5 20
T 16	23 32	1 59	1 43	22 30	0 25	19 57	1 50	19 20	1 15	11 35	1 10	10 20	2 21	23 33	0 11	18 49	1 36	15 48	16 59	4 19	4 10	10 47	3 36	5 20
F 17	23 31	2s28	0 31	22 52	0 13	19 37	1 49	19 9	1 15	11 31	1 10	10 22	2 21	23 33	0 11	18 50	1 36	15 47	16 59	4 19	4 9	10 49	3 36	5 20
S 18	23 30	6 50	0n44	23 13	0 1	19 17	1 48	18 59	1 15	11 28	1 10	10 23	2 21	23 33	0 11	18 50	1 36	15 46	16 58	4 19	4 8	10 50	3 36	5 21
S 19	23 28	10 53	1 56	23 31	0n10	18 56	1 47	18 49	1 14	11 24	1 10	10 25	2 21	23 33	0 11	18 51	1 36	15 45	16 58	4 18	4 7	10 52	3 36	5 21
M20	23 26	14 19	3 3	23 48	0 21	18 35	1 45	18 38	1 14	11 21	1 10	10 27	2 21	23 32	0 11	18 51	1 36	15 45	16 57	4 17	4 5	10 53	3 36	5 21
T 21	23 24	16 52	3 57	24 2	0 31	18 14	1 44	18 27	1 14	11 17	1 10	10 28	2 22	23 32	0 11	18 51	1 36	15 44	16 57	4 15	4 4	10 55	3 36	5 21
W22	23 21	18 19	4 36	24 13	0 41	17 52	1 42	18 17	1 13	11 14	1 10	10 29	2 22	23 32	0 11	18 52	1 36	15 43	16 56	4 11	4 3	10 56	3 36	5 21
T 23	23 18	18 34	4 57	24 22	0 51	17 29	1 41	18 6	1 13	11 10	1 10	10 31	2 22	23 32	0 11	18 52	1 36	15 43	16 56	4 7	4 2	10 58	3 36	5 22
F 24	23 14	17 38	4 59	24 29	0 59	17 6	1 39	17 55	1 12	11 7	1 9	10 32	2 22	23 32	0 11	18 52	1 36	15 42	16 55	4 3	4 0	10 59	3 36	5 22
S 25	23 10	15 39	4 43	24 32	1 8	16 43	1 37	17 43	1 12	11 3	1 9	10 34	2 22	23 32	0 11	18 53	1 36	15 41	16 55	3 58	3 59	11 1	3 37	5 22
S 26	23 6	12 51	4 11	24 33	1 15	16 19	1 36	17 32	1 12	10 59	1 9	10 35	2 23	23 32	0 11	18 53	1 36	15 40	16 54	3 54	3 58	11 2	3 37	5 22
M27	23 1	9 28	3 27	24 31	1 22	15 55	1 34	17 21	1 11	10 55	1 9	10 36	2 23	23 32	0 11	18 53	1 36	15 39	16 54	3 51	3 57	11 4	3 37	5 23
T 28	22 56	5 45	2 33	24 26	1 28	15 30	1 32	17 9	1 11	10 52	1 9	10 38	2 23	23 32	0 11	18 54	1 36	15 39	16 53	3 49	3 55	11 5	3 37	5 23
W29	22 50	1 52	1 33	24 18	1 33	15 6	1 29	16 58	1 11	10 48	1 9	10 39	2 23	23 31	0 11	18 54	1 36	15 38	16 53	3 48	3 54	11 6	3 38	5 23
T 30	22n44	2n 0	0n30	24n 8	1n37	14n40	1n27	16n46	1n10	10n44	1n 9	10n40	2s24	23s31	0s11	18n54	1s36	15n37	16n52	3s48	3s53	11n 8	3s38	5n23

Julian Day Number = 2171562.5, Delta T = 12m16s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'02, Lahiri = 13°10'02 Julian Calendar 1 June 1233 == Greg. Calendar 8 June 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

JULY 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 4 11	15♋30'32	15♈49	18♋32	25♌57	18♌ 7	5♍19	4♉ 7	22°R37	1♊13	29♍32	9°R34	9♎42	4♉58	7°R54	F 1
S 2	19 8 7	16°27'47	27°39	20°38	27° 6	18°44	5°29	4°11	22♐34	1°15	29°33	9♎33	9°39	5° 5	7♓52	S 2
S 3	19 12 4	17°25'03	9♉28	22°42	28°14	19°21	5°39	4°15	22°32	1°17	29°34	9°32	9°36	5°12	7°51	S 3
M 4	19 16 1	18°22'20	21°21	24°45	29°23	19°59	5°50	4°19	22°30	1°18	29°35	9°28	9°33	5°18	7°49	M 4
T 5	19 19 57	19°19'38	3♊22	26°46	0♍31	20°36	6° 1	4°22	22°28	1°20	29°36	9°21	9°30	5°25	7°47	T 5
W 6	19 23 54	20°16'56	15°36	28°46	1°39	21°13	6°11	4°26	22°26	1°21	29°37	9°13	9°26	5°32	7°46	W 6
T 7	19 27 50	21°14'15	28° 4	0♌44	2°47	21°51	6°22	4°30	22°24	1°23	29°39	9° 2	9°23	5°38	7°44	T 7
F 8	19 31 47	22°11'36	10♋48	2°40	3°55	22°28	6°33	4°33	22°22	1°25	29°40	8°49	9°20	5°45	7°42	F 8
S 9	19 35 43	23° 8'57	23°48	4°35	5° 3	23° 6	6°44	4°36	22°20	1°26	29°41	8°37	9°17	5°52	7°41	S 9
S 10	19 39 40	24° 6'19	7♌ 3	6°29	6°11	23°43	6°55	4°40	22°18	1°28	29°42	8°26	9°14	5°58	7°39	S 10
M11	19 43 36	25° 3'41	20°31	8°20	7°18	24°21	7° 6	4°43	22°16	1°29	29°43	8°17	9°11	6° 5	7°37	M11
T 12	19 47 33	26° 1'04	4♍10	10°10	8°26	24°58	7°17	4°46	22°14	1°31	29°45	8°10	9° 7	6°12	7°35	T 12
W13	19 51 30	26°58'28	17°57	11°59	9°33	25°36	7°28	4°49	22°12	1°32	29°46	8° 7	9° 4	6°18	7°33	W13
T 14	19 55 26	27°55'53	1♎52	13°45	10°41	26°13	7°39	4°52	22°11	1°34	29°47	8°D 5	9° 1	6°25	7°31	T 14
F 15	19 59 23	28°53'18	15°53	15°30	11°48	26°51	7°51	4°55	22° 9	1°35	29°49	8° 5	8°58	6°32	7°29	F 15
S 16	20 3 19	29°50'44	29°58	17°14	12°55	27°29	8° 2	4°58	22° 7	1°36	29°50	8°R 5	8°55	6°38	7°27	S 16
S 17	20 7 16	0♌48'10	14♏ 8	18°56	14° 1	28° 6	8°14	5° 0	22° 5	1°38	29°51	8° 5	8°51	6°45	7°25	S 17
M18	20 11 12	1°45'38	28°21	20°36	15° 8	28°44	8°25	5° 3	22° 4	1°39	29°53	8° 2	8°48	6°52	7°23	M18
T 19	20 15 9	2°43'06	12♐34	22°14	16°14	29°22	8°37	5° 5	22° 2	1°40	29°54	7°57	8°45	6°58	7°20	T 19
W20	20 19 5	3°40'35	26°45	23°51	17°21	29°59	8°48	5° 8	22° 0	1°42	29°56	7°50	8°42	7° 5	7°18	W20
T 21	20 23 2	4°38'05	10♑49	25°27	18°27	0♍38	9° 0	5°10	21°59	1°43	29°57	7°41	8°39	7°12	7°16	T 21
F 22	20 26 59	5°35'36	24°42	27° 0	19°33	1°15	9°12	5°12	21°57	1°44	29°59	7°31	8°36	7°18	7°14	F 22
S 23	20 30 55	6°33'08	8♒19	28°32	20°39	1°53	9°24	5°14	21°56	1°45	0♎ 0	7°21	8°32	7°25	7°11	S 23
S 24	20 34 52	7°30'41	21°38	0♍ 3	21°44	2°31	9°35	5°16	21°54	1°46	0° 2	7°13	8°29	7°31	7° 9	S 24
M25	20 38 48	8°28'16	4♓38	1°32	22°50	3° 9	9°47	5°18	21°53	1°48	0° 4	7° 6	8°26	7°38	7° 6	M25
T 26	20 42 45	9°25'51	17°17	2°59	23°55	3°47	9°59	5°20	21°51	1°49	0° 5	7° 2	8°23	7°45	7° 4	T 26
W27	20 46 41	10°23'29	29°39	4°25	25° 0	4°25	10°11	5°21	21°50	1°50	0° 7	7° 0	8°20	7°51	7° 2	W27
T 28	20 50 38	11°21'07	11♈46	5°49	26° 5	5° 3	10°23	5°23	21°49	1°51	0° 9	7°D 0	8°17	7°58	6°59	T 28
F 29	20 54 34	12°18'48	23°43	7°11	27°10	5°41	10°36	5°24	21°47	1°52	0°10	7° 1	8°13	8° 5	6°57	F 29
S 30	20 58 31	13°16'30	5♉33	8°31	28°14	6°19	10°48	5°25	21°46	1°53	0°12	7° 2	8°10	8°11	6°54	S 30
S 31	21 2 28	14♌14'13	17♉23	9♍50	29♍18	6♍58	11♍ 0	5♉27	21♐45	1♊54	0♎14	7°R 2	8♎ 7	8♉18	6♓51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n38	5n44	0s33	23n55	1n41	14n15	1n25	16n34	1n10	10n40	1n 9	10n41	2s24	23s31	0s11	18n55	1s37	15n36	16n52	3s48	3s52	11n 9	3s38	5n23
S 2	22 31	9 13	1 34	23 40	1 44	13 49	1 22	16 22	1 9	10 36	1 9	10 42	2 24	23 31	0 11	18 55	1 37	15 35	16 51	3 48	3 50	11 11	3 39	5 24
S 3	22 24	12 18	2 31	23 22	1 46	13 23	1 20	16 10	1 9	10 32	1 9	10 43	2 24	23 31	0 11	18 55	1 37	15 35	16 51	3 47	3 49	11 12	3 39	5 24
M 4	22 16	14 55	3 22	23 2	1 48	12 56	1 17	15 58	1 9	10 28	1 8	10 45	2 24	23 31	0 11	18 56	1 37	15 34	16 50	3 46	3 48	11 14	3 40	5 24
T 5	22 8	16 55	4 5	22 40	1 49	12 30	1 14	15 46	1 8	10 24	1 8	10 46	2 25	23 31	0 11	18 56	1 37	15 33	16 50	3 43	3 47	11 15	3 40	5 24
W 6	22 0	18 10	4 36	22 16	1 49	12 2	1 11	15 33	1 8	10 20	1 8	10 47	2 25	23 31	0 11	18 56	1 37	15 32	16 49	3 40	3 45	11 17	3 40	5 24
T 7	21 51	18 35	4 56	21 50	1 48	11 35	1 8	15 21	1 7	10 16	1 8	10 48	2 25	23 31	0 12	18 57	1 37	15 31	16 49	3 36	3 44	11 18	3 41	5 25
F 8	21 42	18 6	5 1	21 23	1 47	11 8	1 5	15 8	1 7	10 12	1 8	10 49	2 25	23 30	0 12	18 57	1 37	15 30	16 48	3 31	3 43	11 20	3 41	5 25
S 9	21 32	16 39	4 51	20 54	1 45	10 40	1 2	14 55	1 7	10 8	1 8	10 49	2 26	23 30	0 12	18 57	1 37	15 29	16 48	3 26	3 42	11 21	3 42	5 25
S 10	21 23	14 18	4 25	20 23	1 43	10 12	0 59	14 43	1 6	10 4	1 8	10 50	2 26	23 30	0 12	18 57	1 37	15 28	16 47	3 21	3 40	11 23	3 42	5 25
M11	21 12	11 10	3 44	19 52	1 40	9 43	0 56	14 30	1 6	9 59	1 8	10 51	2 26	23 30	0 12	18 58	1 37	15 27	16 47	3 18	3 39	11 24	3 43	5 25
T 12	21 2	7 23	2 50	19 19	1 37	9 15	0 52	14 17	1 6	9 55	1 8	10 52	2 26	23 30	0 12	18 58	1 37	15 26	16 46	3 15	3 38	11 25	3 43	5 25
W13	20 51	3 10	1 45	18 45	1 33	8 46	0 49	14 4	1 5	9 51	1 8	10 53	2 27	23 30	0 12	18 58	1 37	15 26	16 46	3 14	3 37	11 27	3 44	5 26
T 14	20 40	1s15	0 33	18 11	1 29	8 17	0 45	13 50	1 5	9 47	1 8	10 54	2 27	23 30	0 12	18 58	1 37	15 25	16 45	3 13	3 35	11 28	3 45	5 26
F 15	20 28	5 38	0n41	17 35	1 24	7 48	0 41	13 37	1 4	9 42	1 7	10 54	2 27	23 30	0 12	18 59	1 37	15 24	16 45	3 13	3 34	11 30	3 45	5 26
S 16	20 16	9 44	1 54	16 59	1 19	7 19	0 38	13 24	1 4	9 38	1 7	10 55	2 27	23 30	0 12	18 59	1 37	15 23	16 44	3 13	3 33	11 31	3 46	5 26
S 17	20 4	13 17	3 0	16 22	1 13	6 50	0 34	13 10	1 4	9 33	1 7	10 56	2 27	23 29	0 12	18 59	1 37	15 22	16 44	3 13	3 32	11 33	3 46	5 26
M18	19 51	16 4	3 54	15 45	1 7	6 20	0 30	12 57	1 3	9 29	1 7	10 56	2 28	23 29	0 12	18 59	1 37	15 21	16 44	3 12	3 30	11 34	3 47	5 26
T 19	19 38	17 51	4 35	15 7	1 1	5 51	0 26	12 43	1 3	9 25	1 7	10 57	2 28	23 29	0 12	19 0	1 37	15 20	16 43	3 10	3 29	11 36	3 48	5 26
W20	19 25	18 32	4 58	14 28	0 54	5 21	0 22	12 29	1 2	9 20	1 7	10 57	2 28	23 29	0 12	19 0	1 37	15 19	16 43	3 7	3 28	11 37	3 49	5 27
T 21	19 11	18 3	5 3	13 50	0 47	4 51	0 17	12 16	1 2	9 16	1 7	10 58	2 28	23 29	0 12	19 0	1 37	15 18	16 42	3 4	3 26	11 38	3 49	5 27
F 22	18 57	16 31	4 50	13 11	0 40	4 21	0 13	12 2	1 1	9 11	1 7	10 58	2 29	23 29	0 12	19 0	1 37	15 17	16 42	3 0	3 25	11 40	3 50	5 27
S 23	18 43	14 3	4 21	12 32	0 32	3 51	0 9	11 48	1 1	9 7	1 7	10 59	2 29	23 29	0 12	19 0	1 37	15 16	16 41	2 56	3 24	11 41	3 51	5 27
S 24	18 28	10 54	3 38	11 53	0 24	3 21	0 4	11 34	1 1	9 2	1 7	10 59	2 29	23 29	0 12	19 1	1 37	15 15	16 41	2 52	3 23	11 43	3 51	5 27
M25	18 13	7 18	2 44	11 14	0 16	2 51	0s 0	11 20	1 0	8 58	1 7	11 0	2 29	23 29	0 12	19 1	1 37	15 14	16 41	2 50	3 21	11 44	3 52	5 27
T 26	17 58	3 27	1 44	10 34	0 8	2 21	0 5	11 5	1 0	8 53	1 7	11 0	2 30	23 29	0 12	19 1	1 37	15 13	16 40	2 48	3 20	11 45	3 53	5 27
W27	17 42	0n28	0 39	9 55	0s 1	1 51	0 10	10 51	0 59	8 48	1 7	11 0	2 30	23 29	0 12	19 1	1 38	15 12	16 40	2 47	3 19	11 47	3 54	5 27
T 28	17 27	4 17	0s26	9 16	0 9	1 20	0 15	10 37	0 59	8 44	1 7	11 0	2 30	23 28	0 12	19 1	1 38	15 11	16 39	2 47	3 18	11 48	3 55	5 27
F 29	17 11	7 52	1 29	8 38	0 18	0 50	0 20	10 22	0 59	8 39	1 7	11 1	2 30	23 28	0 12	19 1	1 38	15 10	16 39	2 48	3 16	11 50	3 56	5 28
S 30	16 54	11 6	2 28	7 59	0 27	0 20	0 25	10 8	0 58	8 34	1 7	11 1	2 31	23 28	0 12	19 2	1 38	15 9	16 39	2 48	3 15	11 51	3 56	5 28
S 31	16n37	13n53	3s20	7n21	0s37	0s11	0s30	9n53	0n58	8n30	1n 6	11n 1	2s31	23s28	0s12	19n 2	1s38	15n 8	16n38	2s48	3s14	11n53	3s57	5n28

Julian Day Number = 2171592.5, Delta T = 12m16s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'06, Lahiri = 13°10'06 Julian Calendar 1 July 1233 == Greg. Calendar 8 July 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

AUGUST 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 6 24	15♌11'59	29♉17	11♍ 7	0♎23	7♍36	11♍12	5♉28	21°R44	1♊55	0♎15	7°R 1	8♎ 4	8♉25	6°R49	M 1
T 2	21 10 21	16° 9'46	11♊21	12°22	1°26	8°14	11°24	5°29	21♐43	1°55	0°17	6♎57	8° 1	8°31	6♓46	T 2
W 3	21 14 17	17° 7'34	23°39	13°35	2°30	8°52	11°37	5°30	21°42	1°56	0°19	6°52	7°57	8°38	6°44	W 3
T 4	21 18 14	18° 5'25	6♋15	14°46	3°33	9°31	11°49	5°30	21°41	1°57	0°21	6°46	7°54	8°45	6°41	T 4
F 5	21 22 10	19° 3'17	19° 9	15°55	4°37	10° 9	12° 1	5°31	21°40	1°58	0°23	6°38	7°51	8°51	6°38	F 5
S 6	21 26 7	20° 1'11	2♌24	17° 2	5°40	10°47	12°14	5°32	21°39	1°59	0°25	6°30	7°48	8°58	6°36	S 6
S 7	21 30 3	20°59'06	15°59	18° 7	6°42	11°26	12°26	5°32	21°38	1°59	0°27	6°22	7°45	9° 5	6°33	S 7
M 8	21 34 0	21°57'03	29°50	19° 9	7°45	12° 4	12°39	5°33	21°37	2° 0	0°29	6°16	7°42	9°11	6°30	M 8
T 9	21 37 57	22°55'01	13♍54	20° 8	8°47	12°43	12°51	5°33	21°36	2° 1	0°30	6°12	7°38	9°18	6°27	T 9
W10	21 41 53	23°53'01	28° 6	21° 5	9°49	13°21	13° 4	5°33	21°36	2° 1	0°32	6°10	7°35	9°25	6°25	W10
T 11	21 45 50	24°51'03	12♎23	21°59	10°50	14° 0	13°17	5°R33	21°35	2° 2	0°34	6°D10	7°32	9°31	6°22	T 11
F 12	21 49 46	25°49'06	26°41	22°51	11°52	14°38	13°29	5°33	21°34	2° 3	0°36	6°11	7°29	9°38	6°19	F 12
S 13	21 53 43	26°47'10	10♏57	23°39	12°53	15°17	13°42	5°33	21°34	2° 3	0°38	6°13	7°26	9°45	6°16	S 13
S 14	21 57 39	27°45'16	25° 9	24°23	13°53	15°56	13°55	5°32	21°33	2° 4	0°40	6°R13	7°23	9°51	6°13	S 14
M15	22 1 36	28°43'23	9♐15	25° 4	14°54	16°34	14° 7	5°32	21°33	2° 4	0°43	6°13	7°19	9°58	6°10	M15
T 16	22 5 32	29°41'31	23°13	25°41	15°54	17°13	14°20	5°31	21°32	2° 5	0°45	6°11	7°16	10° 5	6° 8	T 16
W17	22 9 29	0♑39'41	7♑ 2	26°14	16°53	17°52	14°33	5°31	21°32	2° 5	0°47	6° 7	7°13	10°11	6° 5	W17
T 18	22 13 26	1°37'53	20°41	26°43	17°53	18°31	14°46	5°30	21°32	2° 5	0°49	6° 3	7°10	10°18	6° 2	T 18
F 19	22 17 22	2°36'06	4♒ 7	27° 7	18°52	19° 9	14°59	5°29	21°31	2° 6	0°51	5°57	7° 7	10°25	5°59	F 19
S 20	22 21 19	3°34'21	17°20	27°25	19°50	19°48	15°11	5°28	21°31	2° 6	0°53	5°52	7° 3	10°31	5°56	S 20
S 21	22 25 15	4°32'37	0♓18	27°39	20°48	20°27	15°24	5°27	21°31	2° 6	0°55	5°47	7° 0	10°38	5°53	S 21
M22	22 29 12	5°30'56	13° 1	27°47	21°46	21° 6	15°37	5°26	21°31	2° 7	0°57	5°44	6°57	10°45	5°50	M22
T 23	22 33 8	6°29'16	25°29	27°R49	22°43	21°45	15°50	5°25	21°31	2° 7	0°59	5°42	6°54	10°51	5°48	T 23
W24	22 37 5	7°27'38	7♈43	27°45	23°40	22°24	16° 3	5°24	21°D31	2° 7	1° 2	5°D42	6°51	10°58	5°45	W24
T 25	22 41 1	8°26'02	19°46	27°34	24°37	23° 3	16°16	5°22	21°31	2° 7	1° 4	5°43	6°48	11° 5	5°42	T 25
F 26	22 44 58	9°24'28	1♉40	27°17	25°32	23°42	16°29	5°21	21°31	2° 7	1° 6	5°44	6°44	11°11	5°39	F 26
S 27	22 48 54	10°22'56	13°30	26°52	26°28	24°21	16°42	5°19	21°31	2° 7	1° 8	5°46	6°41	11°18	5°36	S 27
S 28	22 52 51	11°21'27	25°20	26°21	27°23	25° 1	16°55	5°17	21°31	2° 7	1°11	5°47	6°38	11°25	5°33	S 28
M29	22 56 48	12°20'00	7♊14	25°44	28°17	25°40	17° 8	5°15	21°31	2°R 7	1°13	5°R48	6°35	11°31	5°31	M29
T 30	23 0 44	13°18'35	19°17	25° 0	29°11	26°19	17°21	5°13	21°32	2° 7	1°15	5°48	6°32	11°38	5°28	T 30
W31	23 4 41	14♍17'12	1♋35	24♍10	0♏ 4	26♍58	17♍34	5♉11	21♐32	2♊ 7	1♎17	5♎47	6♎28	11♉45	5♓25	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n21	16n 6	4s 4	6n43	0s46	0s41	0s35	9n38	0n57	8n25	1n 6	11n 1	2s31	23s28	0s12	19n 2	1s38	15n 7	16n38	2s48	3s13	11n54	3s58	5n28
T 2	16 3	17 39	4 38	6 6	0 55	1 11	0 40	9 24	0 57	8 20	1 6	11 1	2 31	23 28	0 12	19 2	1 38	15 6	16 38	2 46	3 11	11 55	3 59	5 28
W 3	15 46	18 24	5 0	5 29	1 5	1 41	0 45	9 9	0 56	8 16	1 6	11 1	2 32	23 28	0 12	19 2	1 38	15 5	16 37	2 44	3 10	11 57	4 0	5 28
T 4	15 28	18 16	5 8	4 52	1 15	2 11	0 50	8 54	0 56	8 11	1 6	11 1	2 32	23 28	0 12	19 2	1 38	15 4	16 37	2 42	3 9	11 58	4 1	5 28
F 5	15 10	17 12	5 1	4 17	1 24	2 42	0 56	8 39	0 56	8 6	1 6	11 1	2 32	23 28	0 12	19 2	1 38	15 3	16 37	2 39	3 8	12 0	4 2	5 28
S 6	14 52	15 12	4 37	3 42	1 34	3 12	1 1	8 24	0 55	8 1	1 6	11 1	2 32	23 28	0 12	19 2	1 38	15 1	16 36	2 35	3 6	12 1	4 3	5 28
S 7	14 34	12 19	3 58	3 7	1 44	3 42	1 7	8 9	0 55	7 56	1 6	11 1	2 33	23 28	0 12	19 3	1 38	15 0	16 36	2 32	3 5	12 2	4 4	5 28
M 8	14 15	8 42	3 4	2 34	1 54	4 12	1 12	7 54	0 54	7 51	1 6	11 1	2 33	23 28	0 12	19 3	1 38	14 59	16 36	2 30	3 4	12 4	4 5	5 28
T 9	13 56	4 33	1 58	2 2	2 4	4 41	1 18	7 39	0 54	7 47	1 6	11 1	2 33	23 28	0 12	19 3	1 38	14 58	16 35	2 28	3 3	12 5	4 6	5 28
W10	13 37	0 5	0 44	1 30	2 13	5 11	1 24	7 23	0 53	7 42	1 6	11 1	2 33	23 28	0 12	19 3	1 38	14 57	16 35	2 28	3 1	12 7	4 7	5 28
T 11	13 17	4s24	0n34	1 0	2 23	5 41	1 29	7 8	0 53	7 37	1 6	11 1	2 34	23 28	0 12	19 3	1 38	14 56	16 35	2 28	3 0	12 8	4 8	5 28
F 12	12 58	8 38	1 49	0 31	2 33	6 10	1 35	6 53	0 52	7 32	1 6	11 0	2 34	23 28	0 12	19 3	1 38	14 55	16 34	2 28	2 59	12 9	4 9	5 28
S 13	12 38	12 21	2 58	0 3	2 42	6 39	1 41	6 37	0 52	7 27	1 6	11 0	2 34	23 28	0 12	19 3	1 38	14 54	16 34	2 29	2 58	12 11	4 10	5 28
S 14	12 18	15 19	3 55	0s23	2 51	7 9	1 47	6 22	0 52	7 22	1 6	11 0	2 34	23 27	0 12	19 3	1 38	14 53	16 34	2 29	2 56	12 12	4 11	5 28
M15	11 58	17 21	4 38	0 48	3 1	7 38	1 53	6 6	0 51	7 17	1 6	10 59	2 35	23 27	0 12	19 3	1 38	14 52	16 34	2 29	2 55	12 13	4 12	5 28
T 16	11 38	18 18	5 4	1 10	3 9	8 6	1 59	5 51	0 51	7 12	1 6	10 59	2 35	23 27	0 12	19 3	1 39	14 51	16 33	2 28	2 54	12 15	4 13	5 28
W17	11 17	18 10	5 11	1 31	3 18	8 35	2 5	5 35	0 50	7 7	1 6	10 58	2 35	23 27	0 12	19 3	1 39	14 50	16 33	2 26	2 53	12 16	4 14	5 28
T 18	10 56	16 58	5 1	1 50	3 26	9 4	2 11	5 20	0 50	7 2	1 6	10 58	2 35	23 27	0 12	19 3	1 39	14 49	16 33	2 25	2 51	12 18	4 15	5 28
F 19	10 35	14 51	4 35	2 7	3 34	9 32	2 17	5 4	0 49	6 57	1 6	10 57	2 36	23 27	0 12	19 3	1 39	14 48	16 33	2 22	2 50	12 19	4 16	5 28
S 20	10 14	11 59	3 54	2 21	3 41	10 0	2 23	4 48	0 49	6 52	1 6	10 57	2 36	23 27	0 12	19 3	1 39	14 47	16 32	2 20	2 49	12 20	4 17	5 28
S 21	9 53	8 35	3 2	2 32	3 47	10 28	2 30	4 32	0 48	6 47	1 6	10 56	2 36	23 27	0 12	19 3	1 39	14 46	16 32	2 19	2 47	12 22	4 18	5 28
M22	9 32	4 50	2 1	2 41	3 53	10 55	2 36	4 17	0 48	6 42	1 6	10 56	2 36	23 27	0 12	19 3	1 39	14 45	16 32	2 17	2 46	12 23	4 19	5 28
T 23	9 10	0 57	0 56	2 46	3 58	11 23	2 42	4 1	0 48	6 37	1 6	10 55	2 37	23 27	0 12	19 3	1 39	14 44	16 32	2 16	2 45	12 24	4 20	5 28
W24	8 48	2n54	0s11	2 48	4 2	11 50	2 48	3 45	0 47	6 32	1 6	10 54	2 37	23 27	0 12	19 3	1 39	14 43	16 32	2 16	2 44	12 26	4 22	5 28
T 25	8 26	6 35	1 17	2 47	4 5	12 16	2 55	3 29	0 47	6 27	1 6	10 54	2 37	23 27	0 12	19 3	1 39	14 42	16 31	2 17	2 42	12 27	4 23	5 28
F 26	8 4	9 57	2 18	2 41	4 7	12 43	3 1	3 13	0 46	6 22	1 6	10 53	2 37	23 27	0 12	19 3	1 39	14 41	16 31	2 17	2 41	12 28	4 24	5 28
S 27	7 42	12 53	3 13	2 32	4 8	13 9	3 7	2 57	0 46	6 17	1 6	10 52	2 38	23 27	0 12	19 3	1 39	14 39	16 31	2 18	2 40	12 30	4 25	5 28
S 28	7 20	15 17	4 0	2 19	4 7	13 35	3 13	2 41	0 45	6 12	1 6	10 52	2 38	23 27	0 12	19 3	1 39	14 38	16 31	2 19	2 39	12 31	4 26	5 28
M29	6 58	17 3	4 37	2 2	4 4	14 1	3 20	2 25	0 45	6 7	1 6	10 51	2 38	23 27	0 12	19 3	1 39	14 37	16 31	2 19	2 37	12 33	4 27	5 27
T 30	6 35	18 5	5 3	1 40	4 0	14 26	3 26	2 9	0 44	6 2	1 6	10 50	2 38	23 27	0 12	19 3	1 39	14 36	16 31	2 19	2 36	12 34	4 28	5 27
W31	6n13	18n17	5s15	1s15	3s54	14s51	3s32	1n53	0n44	5n57	1n 6	10n49	2s38	23s27	0s12	19n 3	1s39	14n35	16n30	2s18	2s35	12n35	4s29	5n27

Julian Day Number = 2171623.5, Delta T = 12m16s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'10, Lahiri = 13°10'11 Julian Calendar 1 Aug. 1233 == Greg. Calendar 8 Aug. 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

SEPTEMBER 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 37	15♍15'51	14♋10	23°R14	0♏57	27♍38	17♍47	5°R 9	21♐32	2°R 7	1♎20	5°R45	6♎25	11♉52	5°R22	T 1
F 2	23 12 34	16°14'33	27° 8	22♍14	1°49	28°17	18° 0	5♉ 7	21°33	2♊ 7	1°22	5♎43	6°22	11°58	5♓19	F 2
S 3	23 16 30	17°13'17	10♌29	21°11	2°41	28°57	18°13	5° 5	21°33	2° 7	1°24	5°40	6°19	12° 5	5°16	S 3
S 4	23 20 27	18°12'03	24°14	20° 6	3°32	29°36	18°26	5° 2	21°34	2° 7	1°26	5°38	6°16	12°12	5°14	S 4
M 5	23 24 23	19°10'51	8♍21	19° 1	4°22	0♎16	18°39	5° 0	21°34	2° 6	1°29	5°36	6°13	12°18	5°11	M 5
T 6	23 28 20	20° 9'41	22°46	17°57	5°12	0°55	18°52	4°57	21°35	2° 6	1°31	5°35	6° 9	12°25	5° 8	T 6
W 7	23 32 17	21° 8'33	7♎24	16°55	6° 0	1°35	19° 5	4°54	21°36	2° 6	1°33	5°D34	6° 6	12°32	5° 5	W 7
T 8	23 36 13	22° 7'28	22° 8	15°58	6°48	2°14	19°18	4°51	21°36	2° 6	1°36	5°35	6° 3	12°38	5° 3	T 8
F 9	23 40 10	23° 6'24	6♏51	15° 7	7°36	2°54	19°31	4°48	21°37	2° 5	1°38	5°36	6° 0	12°45	5° 0	F 9
S 10	23 44 6	24° 5'22	21°27	14°24	8°22	3°34	19°44	4°45	21°38	2° 5	1°40	5°36	5°57	12°52	4°57	S 10
S 11	23 48 3	25° 4'21	5♐52	13°48	9° 8	4°14	19°57	4°42	21°39	2° 4	1°43	5°37	5°54	12°58	4°55	S 11
M12	23 51 59	26° 3'23	20° 2	13°23	9°52	4°53	20° 9	4°39	21°40	2° 4	1°45	5°R38	5°50	13° 5	4°52	M12
T 13	23 55 56	27° 2'26	3♑56	13° 7	10°36	5°33	20°22	4°36	21°41	2° 3	1°47	5°38	5°47	13°12	4°49	T 13
W14	23 59 52	28° 1'31	17°33	13°D 2	11°19	6°13	20°35	4°32	21°42	2° 3	1°50	5°37	5°44	13°18	4°47	W14
T 15	0 3 49	29° 0'38	0♒53	13° 7	12° 1	6°53	20°48	4°29	21°43	2° 2	1°52	5°37	5°41	13°25	4°44	T 15
F 16	0 7 46	29°59'47	13°58	13°23	12°41	7°33	21° 1	4°26	21°44	2° 2	1°54	5°36	5°38	13°32	4°42	F 16
S 17	0 11 42	0♎58'57	26°48	13°48	13°21	8°13	21°14	4°22	21°45	2° 1	1°57	5°35	5°34	13°38	4°39	S 17
S 18	0 15 39	1°58'09	9♓25	14°23	14° 0	8°53	21°27	4°18	21°47	2° 1	1°59	5°35	5°31	13°45	4°37	S 18
M19	0 19 35	2°57'24	21°49	15° 7	14°37	9°33	21°40	4°15	21°48	2° 0	2° 1	5°35	5°28	13°52	4°34	M19
T 20	0 23 32	3°56'40	4♈ 3	16° 0	15°13	10°13	21°53	4°11	21°49	1°59	2° 4	5°D34	5°25	13°58	4°32	T 20
W21	0 27 28	4°55'58	16° 7	17° 0	15°48	10°53	22° 6	4° 7	21°51	1°58	2° 6	5°34	5°22	14° 5	4°30	W21
T 22	0 31 25	5°55'19	28° 5	18° 6	16°21	11°33	22°19	4° 3	21°52	1°58	2° 9	5°R35	5°19	14°12	4°27	T 22
F 23	0 35 21	6°54'42	9♉56	19°19	16°53	12°14	22°31	3°59	21°54	1°57	2°11	5°34	5°15	14°18	4°25	F 23
S 24	0 39 18	7°54'07	21°45	20°37	17°24	12°54	22°44	3°55	21°55	1°56	2°13	5°34	5°12	14°25	4°23	S 24
S 25	0 43 14	8°53'34	3♊35	22° 0	17°53	13°34	22°57	3°51	21°57	1°55	2°16	5°34	5° 9	14°32	4°21	S 25
M26	0 47 11	9°53'03	15°29	23°26	18°20	14°15	23°10	3°47	21°58	1°54	2°18	5°33	5° 6	14°38	4°18	M26
T 27	0 51 8	10°52'35	27°31	24°56	18°46	14°55	23°22	3°42	22° 0	1°53	2°20	5°33	5° 3	14°45	4°16	T 27
W28	0 55 4	11°52'09	9♋45	26°28	19°11	15°36	23°35	3°38	22° 2	1°52	2°23	5°D33	4°59	14°52	4°14	W28
T 29	0 59 1	12°51'46	22°17	28° 3	19°33	16°16	23°48	3°34	22° 3	1°51	2°25	5°33	4°56	14°58	4°12	T 29
F 30	1 2 57	13♎51'25	5♌ 9	29♍39	19♏54	16♎57	24♍ 0	3♉29	22♐ 5	1♊50	2♎27	5♎33	4♎53	15♉ 5	4♓10	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n50	17n36	5s12	0s45	3s45	15s16	3s39	1n36	0n43	5n52	1n 6	10n48	2s39	23s27	0s12	19n 3	1s39	14n34	16n30	2s18	2s34	12n37	4s30	5n27
F 2	5 27	16 1	4 54	0 12	3 35	15 40	3 45	1 20	0 43	5 47	1 6	10 47	2 39	23 27	0 12	19 3	1 39	14 33	16 30	2 17	2 32	12 38	4 32	5 27
S 3	5 4	13 31	4 19	0n24	3 23	16 4	3 51	1 4	0 42	5 42	1 6	10 46	2 39	23 27	0 12	19 3	1 39	14 32	16 30	2 16	2 31	12 39	4 33	5 27
S 4	4 41	10 12	3 29	1 2	3 9	16 28	3 58	0 48	0 42	5 37	1 6	10 45	2 39	23 28	0 12	19 3	1 39	14 31	16 30	2 15	2 30	12 41	4 34	5 27
M 5	4 18	6 14	2 25	1 42	2 54	16 51	4 4	0 32	0 41	5 31	1 6	10 44	2 39	23 28	0 12	19 2	1 40	14 30	16 30	2 14	2 29	12 42	4 35	5 27
T 6	3 55	1 48	1 10	2 23	2 37	17 14	4 10	0 15	0 41	5 26	1 6	10 43	2 40	23 28	0 12	19 2	1 40	14 29	16 30	2 13	2 27	12 43	4 36	5 26
W 7	3 32	2s48	0n10	3 4	2 18	17 36	4 16	0s 1	0 40	5 21	1 6	10 42	2 40	23 28	0 12	19 2	1 40	14 28	16 30	2 13	2 26	12 45	4 37	5 26
T 8	3 8	7 15	1 31	3 44	1 59	17 58	4 22	0 17	0 40	5 16	1 6	10 41	2 40	23 28	0 12	19 2	1 40	14 27	16 30	2 13	2 25	12 46	4 38	5 26
F 9	2 45	11 16	2 45	4 22	1 39	18 19	4 28	0 33	0 39	5 11	1 6	10 40	2 40	23 28	0 12	19 2	1 40	14 26	16 30	2 14	2 23	12 47	4 39	5 26
S 10	2 21	14 32	3 48	4 57	1 19	18 41	4 35	0 50	0 39	5 6	1 6	10 38	2 40	23 28	0 12	19 2	1 40	14 25	16 30	2 14	2 22	12 49	4 41	5 26
S 11	1 58	16 51	4 36	5 29	0 59	19 1	4 41	1 6	0 38	5 1	1 6	10 37	2 41	23 28	0 12	19 2	1 40	14 24	16 29	2 15	2 21	12 50	4 42	5 26
M12	1 34	18 5	5 6	5 58	0 39	19 21	4 46	1 22	0 38	4 56	1 6	10 36	2 41	23 28	0 12	19 2	1 40	14 24	16 29	2 15	2 20	12 51	4 43	5 25
T 13	1 11	18 12	5 17	6 21	0 20	19 41	4 52	1 38	0 37	4 51	1 6	10 35	2 41	23 28	0 12	19 2	1 40	14 23	16 29	2 15	2 18	12 53	4 44	5 25
W14	0 47	17 15	5 11	6 40	0 2	20 0	4 58	1 55	0 37	4 46	1 6	10 34	2 41	23 28	0 12	19 1	1 40	14 22	16 29	2 15	2 17	12 54	4 45	5 25
T 15	0 24	15 22	4 47	6 54	0n16	20 19	5 4	2 11	0 36	4 41	1 7	10 32	2 41	23 28	0 12	19 1	1 40	14 21	16 29	2 14	2 16	12 55	4 46	5 25
F 16	0 0	12 44	4 9	7 3	0 32	20 37	5 10	2 27	0 36	4 36	1 7	10 31	2 41	23 28	0 12	19 1	1 40	14 20	16 29	2 14	2 15	12 57	4 47	5 25
S 17	0s24	9 31	3 19	7 7	0 46	20 55	5 15	2 44	0 35	4 30	1 7	10 30	2 41	23 28	0 12	19 1	1 40	14 19	16 29	2 14	2 13	12 58	4 48	5 25
S 18	0 47	5 54	2 20	7 5	1 0	21 12	5 21	3 0	0 35	4 25	1 7	10 28	2 42	23 28	0 12	19 1	1 40	14 18	16 29	2 14	2 12	12 59	4 49	5 24
M19	1 11	2 6	1 16	6 59	1 12	21 28	5 26	3 16	0 34	4 20	1 7	10 27	2 42	23 28	0 12	19 1	1 40	14 17	16 29	2 13	2 11	13 0	4 50	5 24
T 20	1 34	1n45	0 8	6 48	1 22	21 44	5 31	3 33	0 34	4 15	1 7	10 25	2 42	23 28	0 12	19 0	1 40	14 16	16 30	2 13	2 10	13 2	4 51	5 24
W21	1 58	5 28	0s58	6 33	1 31	21 59	5 36	3 49	0 33	4 10	1 7	10 24	2 42	23 29	0 12	19 0	1 40	14 15	16 30	2 13	2 8	13 3	4 53	5 24
T 22	2 22	8 56	2 2	6 14	1 39	22 14	5 41	4 5	0 33	4 5	1 7	10 23	2 42	23 29	0 12	19 0	1 40	14 14	16 30	2 13	2 7	13 4	4 54	5 23
F 23	2 45	12 1	3 0	5 51	1 45	22 28	5 46	4 21	0 32	4 0	1 7	10 21	2 42	23 29	0 12	19 0	1 40	14 13	16 30	2 13	2 6	13 6	4 55	5 23
S 24	3 9	14 35	3 50	5 25	1 50	22 41	5 50	4 38	0 32	3 55	1 7	10 20	2 42	23 29	0 12	19 0	1 40	14 13	16 30	2 13	2 5	13 7	4 56	5 23
S 25	3 32	16 32	4 30	4 56	1 54	22 54	5 55	4 54	0 31	3 50	1 7	10 18	2 43	23 29	0 12	18 59	1 40	14 12	16 30	2 13	2 3	13 8	4 57	5 23
M26	3 56	17 48	4 58	4 25	1 57	23 6	5 59	5 10	0 31	3 45	1 7	10 17	2 43	23 29	0 12	18 59	1 40	14 11	16 30	2 13	2 2	13 10	4 58	5 23
T 27	4 19	18 16	5 14	3 51	1 59	23 17	6 3	5 26	0 30	3 40	1 7	10 15	2 43	23 29	0 12	18 59	1 41	14 10	16 30	2 13	2 1	13 11	4 59	5 22
W28	4 43	17 55	5 17	3 14	2 0	23 28	6 7	5 42	0 30	3 35	1 7	10 14	2 43	23 29	0 12	18 59	1 41	14 9	16 30	2 13	1 59	13 12	5 0	5 22
T 29	5 6	16 41	5 4	2 37	2 0	23 37	6 10	5 58	0 29	3 30	1 7	10 12	2 43	23 29	0 12	18 58	1 41	14 8	16 30	2 13	1 58	13 13	5 1	5 22
F 30	5s29	14n35	4s36	1n58	1n59	23s46	6s14	6s14	0n29	3n25	1n 7	10n10	2s43	23s29	0s12	18n58	1s41	14n 8	16n30	2s13	1s57	13n15	5s 2	5n21

Julian Day Number = 2171654.5, Delta T = 12m15s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'14, Lahiri = 13°10'15 Julian Calendar 1 Sept. 1233 == Greg. Calendar 8 Sept. 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

OCTOBER 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 54	14♎51'06	18♌26	1♎17	20♏13	17♎37	24♍13	3°R25	22♐ 7	1°R49	2♎30	5♎34	4♎50	15♉12	4°R 8	S 1
S 2	1 10 50	15°50'49	2♍10	2°56	20°30	18°18	24°25	3♉20	22° 9	1♊48	2°32	5°35	4°47	15°18	4♓ 6	S 2
M 3	1 14 47	16°50'35	16°19	4°36	20°45	18°59	24°38	3°16	22°11	1°47	2°34	5°36	4°44	15°25	4° 4	M 3
T 4	1 18 43	17°50'22	0♎54	6°17	20°58	19°39	24°50	3°11	22°13	1°46	2°36	5°R36	4°40	15°32	4° 2	T 4
W 5	1 22 40	18°50'12	15°47	7°58	21° 9	20°20	25° 3	3° 7	22°15	1°45	2°39	5°36	4°37	15°38	4° 1	W 5
T 6	1 26 37	19°50'04	0♏51	9°39	21°18	21° 1	25°15	3° 2	22°17	1°44	2°41	5°35	4°34	15°45	3°59	T 6
F 7	1 30 33	20°49'58	15°58	11°20	21°24	21°42	25°28	2°57	22°19	1°43	2°43	5°34	4°31	15°52	3°57	F 7
S 8	1 34 30	21°49'53	0♐58	13° 1	21°29	22°23	25°40	2°52	22°21	1°42	2°46	5°32	4°28	15°58	3°55	S 8
S 9	1 38 26	22°49'51	15°44	14°42	21°R31	23° 4	25°52	2°48	22°24	1°40	2°48	5°30	4°25	16° 5	3°54	S 9
M10	1 42 23	23°49'50	0♑ 8	16°23	21°30	23°45	26° 5	2°43	22°26	1°39	2°50	5°28	4°21	16°12	3°52	M10
T 11	1 46 19	24°49'51	14° 9	18° 4	21°28	24°26	26°17	2°38	22°28	1°38	2°52	5°27	4°18	16°19	3°51	T 11
W12	1 50 16	25°49'53	27°45	19°44	21°22	25° 7	26°29	2°33	22°30	1°36	2°54	5°D26	4°15	16°25	3°49	W12
T 13	1 54 12	26°49'57	10♒58	21°24	21°15	25°48	26°41	2°28	22°33	1°35	2°57	5°27	4°12	16°32	3°48	T 13
F 14	1 58 9	27°50'03	23°50	23° 4	21° 5	26°29	26°53	2°24	22°35	1°34	2°59	5°28	4° 9	16°39	3°46	F 14
S 15	2 2 6	28°50'10	6♓25	24°43	20°52	27°10	27° 5	2°19	22°38	1°32	3° 1	5°30	4° 5	16°45	3°45	S 15
S 16	2 6 2	29°50'19	18°45	26°22	20°37	27°52	27°17	2°14	22°40	1°31	3° 3	5°31	4° 2	16°52	3°44	S 16
M17	2 9 59	0♏50'29	0♈55	28° 0	20°20	28°33	27°29	2° 9	22°43	1°30	3° 5	5°R32	3°59	16°59	3°43	M17
T 18	2 13 55	1°50'41	12°56	29°38	20° 0	29°14	27°41	2° 4	22°45	1°28	3° 7	5°32	3°56	17° 5	3°41	T 18
W19	2 17 52	2°50'55	24°52	1♏16	19°38	29°56	27°52	1°59	22°48	1°27	3°10	5°31	3°53	17°12	3°40	W19
T 20	2 21 48	3°51'11	6♉44	2°53	19°14	0♏37	28° 4	1°54	22°50	1°25	3°12	5°28	3°50	17°19	3°39	T 20
F 21	2 25 45	4°51'28	18°34	4°30	18°48	1°19	28°16	1°49	22°53	1°24	3°14	5°23	3°46	17°25	3°38	F 21
S 22	2 29 41	5°51'47	0♊24	6° 7	18°20	2° 0	28°27	1°45	22°56	1°22	3°16	5°18	3°43	17°32	3°37	S 22
S 23	2 33 38	6°52'08	12°16	7°43	17°50	2°42	28°39	1°40	22°59	1°21	3°18	5°12	3°40	17°39	3°36	S 23
M24	2 37 35	7°52'31	24°13	9°18	17°19	3°23	28°50	1°35	23° 1	1°19	3°20	5° 6	3°37	17°45	3°36	M24
T 25	2 41 31	8°52'56	6♋17	10°54	16°46	4° 5	29° 2	1°30	23° 4	1°18	3°22	5° 1	3°34	17°52	3°35	T 25
W26	2 45 28	9°53'23	18°31	12°29	16°12	4°47	29°13	1°25	23° 7	1°16	3°24	4°57	3°31	17°59	3°34	W26
T 27	2 49 24	10°53'52	0♌59	14° 4	15°37	5°29	29°24	1°20	23°10	1°15	3°26	4°55	3°27	18° 5	3°33	T 27
F 28	2 53 21	11°54'22	13°45	15°39	15° 1	6°10	29°36	1°16	23°13	1°13	3°28	4°D55	3°24	18°12	3°33	F 28
S 29	2 57 17	12°54'54	26°52	17°13	14°25	6°52	29°47	1°11	23°16	1°12	3°30	4°55	3°21	18°19	3°32	S 29
S 30	3 1 14	13°55'29	10♍25	18°47	13°49	7°34	29°58	1° 6	23°19	1°10	3°32	4°57	3°18	18°25	3°32	S 30
M31	3 5 10	14♏56'05	24♍25	20♏21	13♏12	8♏16	0♎ 9	1♉ 2	23♐22	1♊ 8	3♎34	4♎58	3♎15	18♉32	3♓31	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s52	11n40	3s53	1n17	1n58	23s54	6s17	6s31	0n28	3n20	1n 8	10n 9	2s43	23s30	0s12	18n58	1s41	14n 7	16n30	2s13	1s56	13n16	5s 3	5n21
S 2	6 16	8 1	2 55	0 36	1 56	24 2	6 19	6 47	0 28	3 15	1 8	10 7	2 43	23 30	0 12	18 58	1 41	14 6	16 31	2 14	1 54	13 17	5 4	5 21
M 3	6 39	3 48	1 45	0s 7	1 53	24 8	6 22	7 3	0 27	3 11	1 8	10 6	2 43	23 30	0 12	18 57	1 41	14 5	16 31	2 14	1 53	13 19	5 4	5 21
T 4	7 2	0s45	0 26	0 49	1 50	24 14	6 24	7 19	0 27	3 6	1 8	10 4	2 43	23 30	0 12	18 57	1 41	14 5	16 31	2 14	1 52	13 20	5 5	5 20
W 5	7 24	5 22	0n56	1 33	1 46	24 18	6 25	7 35	0 26	3 1	1 8	10 2	2 43	23 30	0 12	18 57	1 41	14 4	16 31	2 14	1 51	13 21	5 6	5 20
T 6	7 47	9 42	2 15	2 17	1 42	24 22	6 26	7 50	0 26	2 56	1 8	10 1	2 43	23 30	0 12	18 57	1 41	14 3	16 31	2 14	1 49	13 22	5 7	5 20
F 7	8 10	13 24	3 25	3 0	1 38	24 24	6 27	8 6	0 25	2 51	1 8	9 59	2 43	23 30	0 12	18 56	1 41	14 2	16 31	2 13	1 48	13 24	5 8	5 20
S 8	8 32	16 11	4 21	3 44	1 33	24 26	6 28	8 22	0 24	2 46	1 8	9 58	2 43	23 30	0 12	18 56	1 41	14 2	16 32	2 12	1 47	13 25	5 9	5 19
S 9	8 55	17 50	4 58	4 28	1 28	24 26	6 27	8 38	0 24	2 41	1 8	9 56	2 43	23 31	0 12	18 56	1 41	14 1	16 32	2 11	1 46	13 26	5 10	5 19
M10	9 17	18 18	5 15	5 12	1 22	24 26	6 27	8 54	0 23	2 37	1 8	9 54	2 43	23 31	0 12	18 56	1 41	14 0	16 32	2 11	1 44	13 27	5 11	5 19
T 11	9 39	17 36	5 12	5 56	1 16	24 24	6 26	9 9	0 23	2 32	1 8	9 53	2 44	23 31	0 12	18 55	1 41	14 0	16 32	2 10	1 43	13 29	5 11	5 18
W12	10 1	15 55	4 52	6 40	1 11	24 21	6 24	9 25	0 22	2 27	1 9	9 51	2 44	23 31	0 12	18 55	1 41	13 59	16 32	2 10	1 42	13 30	5 12	5 18
T 13	10 23	13 25	4 17	7 23	1 5	24 16	6 22	9 40	0 22	2 22	1 9	9 49	2 44	23 31	0 12	18 55	1 41	13 58	16 33	2 10	1 40	13 31	5 13	5 18
F 14	10 45	10 19	3 30	8 6	0 58	24 11	6 19	9 56	0 21	2 18	1 9	9 48	2 44	23 31	0 12	18 54	1 41	13 58	16 33	2 11	1 39	13 32	5 14	5 17
S 15	11 6	6 49	2 34	8 48	0 52	24 4	6 16	10 11	0 21	2 13	1 9	9 46	2 44	23 31	0 12	18 54	1 41	13 57	16 33	2 12	1 38	13 34	5 15	5 17
S 16	11 28	3 4	1 31	9 30	0 46	23 56	6 11	10 27	0 20	2 8	1 9	9 44	2 43	23 31	0 12	18 54	1 41	13 56	16 33	2 12	1 37	13 35	5 15	5 17
M17	11 49	0n45	0 25	10 12	0 39	23 47	6 7	10 42	0 19	2 4	1 9	9 43	2 43	23 32	0 12	18 54	1 41	13 56	16 34	2 13	1 35	13 36	5 16	5 17
T 18	12 10	4 30	0s41	10 53	0 33	23 36	6 1	10 57	0 19	1 59	1 9	9 41	2 43	23 32	0 12	18 53	1 41	13 55	16 34	2 12	1 34	13 37	5 17	5 16
W19	12 31	8 3	1 44	11 33	0 26	23 24	5 55	11 12	0 18	1 55	1 9	9 39	2 43	23 32	0 12	18 53	1 41	13 55	16 34	2 12	1 33	13 39	5 18	5 16
T 20	12 51	11 15	2 43	12 13	0 19	23 10	5 48	11 27	0 18	1 50	1 9	9 38	2 43	23 32	0 12	18 53	1 41	13 54	16 35	2 11	1 32	13 40	5 18	5 16
F 21	13 12	13 59	3 34	12 52	0 13	22 56	5 40	11 43	0 17	1 45	1 10	9 36	2 43	23 32	0 12	18 52	1 41	13 53	16 35	2 9	1 30	13 41	5 19	5 15
S 22	13 32	16 8	4 16	13 31	0 6	22 40	5 32	11 57	0 17	1 41	1 10	9 34	2 43	23 32	0 12	18 52	1 41	13 53	16 35	2 7	1 29	13 42	5 20	5 15
S 23	13 52	17 36	4 47	14 9	0s 1	22 22	5 23	12 12	0 16	1 36	1 10	9 33	2 43	23 32	0 12	18 52	1 41	13 52	16 36	2 4	1 28	13 44	5 20	5 15
M24	14 12	18 19	5 6	14 46	0 7	22 4	5 13	12 27	0 15	1 32	1 10	9 31	2 43	23 33	0 12	18 51	1 41	13 52	16 36	2 2	1 27	13 45	5 21	5 14
T 25	14 31	18 12	5 12	15 23	0 14	21 44	5 2	12 42	0 15	1 28	1 10	9 30	2 43	23 33	0 12	18 51	1 41	13 51	16 36	2 0	1 25	13 46	5 21	5 14
W26	14 50	17 15	5 3	15 58	0 21	21 23	4 51	12 57	0 14	1 23	1 10	9 28	2 43	23 33	0 12	18 51	1 41	13 51	16 36	1 59	1 24	13 47	5 22	5 14
T 27	15 9	15 28	4 40	16 33	0 27	21 2	4 39	13 11	0 14	1 19	1 10	9 26	2 43	23 33	0 12	18 50	1 41	13 50	16 37	1 58	1 23	13 49	5 22	5 13
F 28	15 28	12 53	4 3	17 8	0 34	20 39	4 27	13 26	0 13	1 14	1 11	9 25	2 43	23 33	0 12	18 50	1 41	13 50	16 37	1 58	1 21	13 50	5 23	5 13
S 29	15 47	9 35	3 13	17 41	0 40	20 16	4 14	13 40	0 13	1 10	1 11	9 23	2 43	23 33	0 12	18 50	1 41	13 50	16 38	1 58	1 20	13 51	5 24	5 13
S 30	16 5	5 41	2 10	18 13	0 46	19 52	4 0	13 54	0 12	1 6	1 11	9 22	2 43	23 34	0 12	18 49	1 41	13 49	16 38	1 58	1 19	13 52	5 24	5 12
M31	16s23	1n21	0s57	18s45	0s52	19s27	3s46	14s 8	0n11	1n 2	1n11	9n20	2s43	23s34	0s12	18n49	1s41	13n49	16n38	1s59	1s18	13n53	5s25	5n12

Julian Day Number = 2171684.5, Delta T = 12m15s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'18, Lahiri = 13°10'19 Julian Calendar 1 Oct. 1233 == Greg. Calendar 8 Oct. 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

NOVEMBER 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 7	15♏56'42	8♎52	21♏55	12°R36	8♏58	0♎20	0°R57	23♐25	1°R 7	3♎36	4°R59	3♎11	18♉39	3°R31	T 1
W 2	3 13 3	16°57'22	23°43	23°28	12♏ 1	9°40	0°30	0♉52	23°28	1♊ 5	3°37	4♎57	3° 8	18°46	3♓31	W 2
T 3	3 17 0	17°58'03	8♏52	25° 1	11°26	10°22	0°41	0°48	23°31	1° 3	3°39	4°54	3° 5	18°52	3°30	T 3
F 4	3 20 57	18°58'46	24°10	26°34	10°52	11° 4	0°52	0°43	23°34	1° 2	3°41	4°48	3° 2	18°59	3°30	F 4
S 5	3 24 53	19°59'30	9♐26	28° 7	10°19	11°47	1° 2	0°39	23°37	1° 0	3°43	4°41	2°59	19° 6	3°30	S 5
S 6	3 28 50	21° 0'15	24°29	29°40	9°48	12°29	1°13	0°34	23°40	0°58	3°45	4°34	2°56	19°12	3°30	S 6
M 7	3 32 46	22° 1'02	9♑11	1♐13	9°18	13°11	1°23	0°30	23°43	0°57	3°46	4°27	2°52	19°19	3°D30	M 7
T 8	3 36 43	23° 1'49	23°25	2°45	8°50	13°53	1°33	0°26	23°47	0°55	3°48	4°22	2°49	19°26	3°30	T 8
W 9	3 40 39	24° 2'38	7♒ 9	4°17	8°24	14°36	1°43	0°21	23°50	0°53	3°50	4°18	2°46	19°32	3°30	W 9
T 10	3 44 36	25° 3'27	20°25	5°50	8° 0	15°18	1°54	0°17	23°53	0°52	3°51	4°D17	2°43	19°39	3°30	T 10
F 11	3 48 33	26° 4'18	3♓16	7°22	7°38	16° 1	2° 4	0°13	23°56	0°50	3°53	4°17	2°40	19°46	3°30	F 11
S 12	3 52 29	27° 5'09	15°45	8°54	7°19	16°43	2°13	0° 9	24° 0	0°48	3°55	4°18	2°36	19°52	3°31	S 12
S 13	3 56 26	28° 6'01	27°58	10°25	7° 1	17°26	2°23	0° 5	24° 3	0°47	3°56	4°19	2°33	19°59	3°31	S 13
M14	4 0 22	29° 6'54	9♈59	11°57	6°46	18° 8	2°33	0° 1	24° 6	0°45	3°58	4°R19	2°30	20° 6	3°31	M14
T 15	4 4 19	0♐ 7'48	21°53	13°28	6°34	18°51	2°43	29♈57	24°10	0°43	3°59	4°17	2°27	20°12	3°32	T 15
W16	4 8 15	1° 8'43	3♉42	14°59	6°24	19°34	2°52	29°53	24°13	0°42	4° 1	4°13	2°24	20°19	3°32	W16
T 17	4 12 12	2° 9'39	15°32	16°30	6°17	20°16	3° 1	29°50	24°17	0°40	4° 2	4° 6	2°21	20°26	3°33	T 17
F 18	4 16 8	3°10'36	27°22	18° 0	6°12	20°59	3°11	29°46	24°20	0°38	4° 4	3°56	2°17	20°33	3°34	F 18
S 19	4 20 5	4°11'34	9♊16	19°30	6° 9	21°42	3°20	29°42	24°23	0°36	4° 5	3°45	2°14	20°39	3°34	S 19
S 20	4 24 2	5°12'33	21°15	21° 0	6°D 9	22°25	3°29	29°39	24°27	0°35	4° 7	3°32	2°11	20°46	3°35	S 20
M21	4 27 58	6°13'32	3♋19	22°28	6°11	23° 8	3°38	29°35	24°30	0°33	4° 8	3°20	2° 8	20°53	3°36	M21
T 22	4 31 55	7°14'33	15°31	23°57	6°16	23°51	3°47	29°32	24°34	0°31	4° 9	3° 9	2° 5	20°59	3°37	T 22
W23	4 35 51	8°15'35	27°52	25°24	6°23	24°34	3°55	29°29	24°37	0°30	4°11	3° 0	2° 2	21° 6	3°38	W23
T 24	4 39 48	9°16'38	10♌24	26°51	6°33	25°17	4° 4	29°26	24°41	0°28	4°12	2°53	1°58	21°13	3°39	T 24
F 25	4 43 44	10°17'41	23° 9	28°16	6°45	26° 0	4°12	29°23	24°44	0°26	4°13	2°50	1°55	21°19	3°40	F 25
S 26	4 47 41	11°18'46	6♍12	29°40	6°59	26°43	4°21	29°20	24°48	0°25	4°14	2°D48	1°52	21°26	3°41	S 26
S 27	4 51 37	12°19'52	19°35	1♎ 3	7°15	27°26	4°29	29°17	24°51	0°23	4°15	2°48	1°49	21°33	3°42	S 27
M28	4 55 34	13°20'59	3♎21	2°24	7°33	28° 9	4°37	29°14	24°55	0°21	4°17	2°R48	1°46	21°39	3°43	M28
T 29	4 59 31	14°22'06	17°32	3°42	7°53	28°52	4°45	29°11	24°58	0°20	4°18	2°48	1°42	21°46	3°44	T 29
W30	5 3 27	15♐23'15	2♏ 7	4♎58	8♏15	29♏36	4♎53	29♈ 8	25♐ 2	0♊18	4♎19	2♎45	1♎39	21♉53	3♓46	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s41	3s12	0n21	19s16	0s59	19s 2	3s31	14s22	0n11	0n57	1n11	9n19	2s42	23s34	0s12	18n49	1s41	13n48	16n39	1s59	1s16	13n55	5s25	5n11
W 2	16 58	7 42	1 40	19 45	1 5	18 37	3 17	14 36	0 10	0 53	1 11	9 17	2 42	23 34	0 12	18 48	1 41	13 48	16 39	1 59	1 15	13 56	5 25	5 11
T 3	17 15	11 47	2 53	20 14	1 10	18 12	3 2	14 50	0 10	0 49	1 11	9 16	2 42	23 34	0 12	18 48	1 41	13 48	16 39	1 57	1 14	13 57	5 26	5 11
F 4	17 32	15 6	3 55	20 42	1 16	17 47	2 46	15 4	0 9	0 45	1 12	9 14	2 42	23 34	0 12	18 48	1 41	13 47	16 40	1 55	1 13	13 58	5 26	5 10
S 5	17 49	17 21	4 39	21 9	1 22	17 22	2 31	15 18	0 8	0 41	1 12	9 13	2 42	23 34	0 12	18 47	1 41	13 47	16 40	1 52	1 11	14 0	5 27	5 10
S 6	18 5	18 22	5 4	21 35	1 27	16 57	2 15	15 31	0 8	0 37	1 12	9 12	2 42	23 35	0 12	18 47	1 41	13 47	16 41	1 49	1 10	14 1	5 27	5 10
M 7	18 21	18 7	5 7	21 59	1 32	16 32	2 0	15 45	0 7	0 33	1 12	9 10	2 42	23 35	0 12	18 47	1 41	13 46	16 41	1 47	1 9	14 2	5 27	5 9
T 8	18 36	16 42	4 52	22 23	1 37	16 9	1 44	15 58	0 7	0 29	1 12	9 9	2 41	23 35	0 12	18 46	1 41	13 46	16 42	1 44	1 8	14 3	5 28	5 9
W 9	18 52	14 22	4 19	22 46	1 42	15 46	1 29	16 11	0 6	0 25	1 12	9 8	2 41	23 35	0 12	18 46	1 41	13 46	16 42	1 43	1 6	14 4	5 28	5 9
T 10	19 6	11 21	3 34	23 7	1 47	15 23	1 13	16 24	0 5	0 21	1 13	9 6	2 41	23 35	0 12	18 46	1 41	13 46	16 42	1 42	1 5	14 6	5 28	5 8
F 11	19 21	7 52	2 39	23 27	1 51	15 2	0 58	16 37	0 5	0 17	1 13	9 5	2 41	23 35	0 12	18 45	1 41	13 45	16 43	1 42	1 4	14 7	5 28	5 8
S 12	19 35	4 8	1 38	23 46	1 55	14 41	0 43	16 50	0 4	0 14	1 13	9 4	2 41	23 36	0 12	18 45	1 41	13 45	16 43	1 43	1 2	14 8	5 29	5 8
S 13	19 49	0 17	0 34	24 4	1 59	14 22	0 29	17 3	0 4	0 10	1 13	9 2	2 41	23 36	0 12	18 44	1 41	13 45	16 44	1 43	1 1	14 9	5 29	5 7
M14	20 2	3n30	0s30	24 20	2 3	14 4	0 15	17 15	0 3	0 6	1 13	9 1	2 40	23 36	0 12	18 44	1 41	13 45	16 44	1 43	1 0	14 10	5 29	5 7
T 15	20 16	7 7	1 33	24 35	2 6	13 46	0 1	17 28	0 2	0 3	1 14	9 0	2 40	23 36	0 12	18 44	1 41	13 45	16 45	1 43	0 59	14 12	5 29	5 7
W16	20 28	10 26	2 31	24 49	2 9	13 30	0n13	17 40	0 2	0s 1	1 14	8 59	2 40	23 36	0 12	18 43	1 41	13 44	16 45	1 41	0 57	14 13	5 29	5 6
T 17	20 41	13 20	3 22	25 2	2 12	13 15	0 26	17 52	0 1	0 5	1 14	8 58	2 40	23 36	0 12	18 43	1 41	13 44	16 46	1 38	0 56	14 14	5 29	5 6
F 18	20 53	15 41	4 4	25 13	2 14	13 2	0 39	18 4	0 1	0 8	1 14	8 57	2 40	23 36	0 12	18 43	1 41	13 44	16 46	1 34	0 55	14 15	5 30	5 6
S 19	21 4	17 23	4 36	25 22	2 16	12 49	0 51	18 16	0s 0	0 12	1 14	8 56	2 39	23 37	0 12	18 42	1 41	13 44	16 47	1 30	0 54	14 16	5 30	5 5
S 20	21 15	18 19	4 56	25 31	2 17	12 38	1 3	18 28	0 1	0 15	1 14	8 55	2 39	23 37	0 12	18 42	1 41	13 44	16 47	1 25	0 52	14 17	5 30	5 5
M21	21 26	18 27	5 3	25 37	2 18	12 28	1 15	18 39	0 1	0 18	1 15	8 54	2 39	23 37	0 12	18 42	1 41	13 44	16 48	1 20	0 51	14 19	5 30	5 4
T 22	21 36	17 44	4 56	25 42	2 19	12 19	1 26	18 50	0 2	0 22	1 15	8 53	2 39	23 37	0 12	18 41	1 41	13 44	16 48	1 15	0 50	14 20	5 30	5 4
W23	21 46	16 10	4 35	25 46	2 19	12 12	1 36	19 2	0 3	0 25	1 15	8 52	2 38	23 37	0 12	18 41	1 41	13 44	16 49	1 12	0 49	14 21	5 30	5 4
T 24	21 56	13 50	4 1	25 48	2 18	12 5	1 46	19 13	0 3	0 28	1 15	8 51	2 38	23 37	0 12	18 41	1 41	13 44	16 49	1 9	0 47	14 22	5 30	5 3
F 25	22 5	10 48	3 14	25 49	2 17	12 0	1 56	19 24	0 4	0 31	1 15	8 50	2 38	23 38	0 12	18 40	1 41	13 44	16 50	1 8	0 46	14 23	5 30	5 3
S 26	22 14	7 10	2 16	25 48	2 15	11 56	2 5	19 34	0 4	0 35	1 16	8 49	2 38	23 38	0 12	18 40	1 41	13 44	16 50	1 7	0 45	14 24	5 30	5 3
S 27	22 22	3 4	1 10	25 45	2 13	11 53	2 14	19 45	0 5	0 38	1 16	8 48	2 38	23 38	0 12	18 40	1 41	13 44	16 51	1 7	0 43	14 26	5 30	5 2
M28	22 30	1s18	0n 3	25 41	2 10	11 50	2 22	19 55	0 6	0 41	1 16	8 48	2 37	23 38	0 12	18 39	1 41	13 44	16 51	1 7	0 42	14 27	5 29	5 2
T 29	22 37	5 43	1 17	25 35	2 6	11 49	2 30	20 6	0 6	0 44	1 16	8 47	2 37	23 38	0 12	18 39	1 41	13 44	16 52	1 7	0 41	14 28	5 29	5 2
W30	22s44	9s56	2n29	25s28	2s 1	11s49	2n38	20s16	0s 7	0s47	1n17	8n46	2s37	23s38	0s12	18n39	1s41	13n44	16n52	1s 6	0s40	14n29	5s29	5n 1

Julian Day Number = 2171715.5, Delta T = 12m15s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'23, Lahiri = 13°10'23 Julian Calendar 1 Nov. 1233 == Greg. Calendar 8 Nov. 1233

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ASTRODIENST EPHEMERIS for the year 1233
geocentric

DECEMBER 1233 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 24	16♐24'24	17♏ 2	6♑11	8♏39	0♐19	5♎ 1	29°R 6	25♐ 6	0°R16	4♎20	2°R39	1♎36	21♉59	3♓47	T 1
F 2	5 11 20	17°25'34	2♐11	7°21	9° 5	1° 3	5° 8	29♈ 4	25° 9	0♊15	4°21	2♎31	1°33	22° 6	3°48	F 2
S 3	5 15 17	18°26'44	17°24	8°27	9°32	1°46	5°16	29° 1	25°13	0°13	4°22	2°20	1°30	22°13	3°50	S 3
S 4	5 19 13	19°27'55	2♑30	9°28	10° 1	2°30	5°23	28°59	25°16	0°12	4°23	2° 8	1°27	22°20	3°51	S 4
M 5	5 23 10	20°29'07	17°18	10°23	10°32	3°13	5°30	28°57	25°20	0°10	4°24	1°57	1°23	22°26	3°53	M 5
T 6	5 27 6	21°30'18	1♒41	11°13	11° 4	3°57	5°37	28°55	25°24	0° 9	4°25	1°47	1°20	22°33	3°55	T 6
W 7	5 31 3	22°31'30	15°35	11°55	11°38	4°40	5°44	28°53	25°27	0° 7	4°25	1°40	1°17	22°40	3°56	W 7
T 8	5 35 0	23°32'42	28°59	12°30	12°13	5°24	5°51	28°51	25°31	0° 5	4°26	1°36	1°14	22°46	3°58	T 8
F 9	5 38 56	24°33'53	11♓55	12°56	12°49	6° 8	5°57	28°50	25°34	0° 4	4°27	1°34	1°11	22°53	4° 0	F 9
S 10	5 42 53	25°35'04	24°27	13°12	13°27	6°51	6° 4	28°48	25°38	0° 2	4°28	1°33	1° 8	23° 0	4° 2	S 10
S 11	5 46 49	26°36'16	6♈40	13°R18	14° 6	7°35	6°10	28°46	25°42	0° 1	4°28	1°33	1° 4	23° 6	4° 4	S 11
M12	5 50 46	27°37'27	18°40	13°13	14°46	8°19	6°16	28°45	25°45	29♉59	4°29	1°32	1° 1	23°13	4° 6	M12
T 13	5 54 42	28°38'38	0♉32	12°56	15°28	9° 3	6°22	28°44	25°49	29°58	4°30	1°30	0°58	23°20	4° 8	T 13
W14	5 58 39	29°39'49	12°20	12°27	16°10	9°47	6°28	28°43	25°52	29°57	4°30	1°24	0°55	23°27	4°10	W14
T 15	6 2 35	0♑40'59	24° 9	11°46	16°54	10°31	6°34	28°42	25°56	29°55	4°31	1°16	0°52	23°33	4°12	T 15
F 16	6 6 32	1°42'10	6♊ 2	10°55	17°39	11°15	6°39	28°41	26° 0	29°54	4°32	1° 5	0°48	23°40	4°14	F 16
S 17	6 10 29	2°43'20	18° 2	9°53	18°25	11°59	6°45	28°40	26° 3	29°52	4°32	0°51	0°45	23°47	4°16	S 17
S 18	6 14 25	3°44'31	0♋10	8°43	19°11	12°43	6°50	28°39	26° 7	29°51	4°32	0°36	0°42	23°53	4°18	S 18
M19	6 18 22	4°45'41	12°26	7°27	19°59	13°27	6°55	28°39	26°10	29°50	4°33	0°22	0°39	24° 0	4°21	M19
T 20	6 22 18	5°46'50	24°52	6° 8	20°47	14°11	7° 0	28°38	26°14	29°48	4°33	0° 8	0°36	24° 7	4°23	T 20
W21	6 26 15	6°48'00	7♌27	4°48	21°37	14°55	7° 4	28°38	26°17	29°47	4°34	29♍57	0°33	24°13	4°25	W21
T 22	6 30 11	7°49'10	20°13	3°29	22°27	15°40	7° 9	28°38	26°21	29°46	4°34	29°49	0°29	24°20	4°28	T 22
F 23	6 34 8	8°50'19	3♍10	2°14	23°18	16°24	7°13	28°37	26°25	29°45	4°34	29°44	0°26	24°27	4°30	F 23
S 24	6 38 4	9°51'28	16°19	1° 4	24°10	17° 8	7°18	28°D37	26°28	29°43	4°35	29°41	0°23	24°33	4°33	S 24
S 25	6 42 1	10°52'37	29°43	0° 3	25° 2	17°53	7°22	28°37	26°32	29°42	4°35	29°D41	0°20	24°40	4°35	S 25
M26	6 45 58	11°53'46	13♎23	29♐10	25°55	18°37	7°25	28°38	26°35	29°41	4°35	29°R41	0°17	24°47	4°38	M26
T 27	6 49 54	12°54'55	27°21	28°26	26°49	19°21	7°29	28°38	26°39	29°40	4°35	29°40	0°14	24°54	4°41	T 27
W28	6 53 51	13°56'04	11♏38	27°52	27°44	20° 6	7°33	28°38	26°42	29°39	4°35	29°37	0°10	25° 0	4°43	W28
T 29	6 57 47	14°57'13	26°11	27°28	28°39	20°51	7°36	28°39	26°46	29°38	4°35	29°32	0° 7	25° 7	4°46	T 29
F 30	7 1 44	15°58'21	10♐56	27°13	29°35	21°35	7°39	28°40	26°49	29°36	4°35	29°24	0° 4	25°14	4°49	F 30
S 31	7 5 40	16♑59'29	25♐47	27°D 7	0♐31	22♐20	7♎42	28♈40	26♐53	29♉35	4°R35	29♍14	0♎ 1	25♉20	4♓52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s50	13s36	3n32	25s19	1s56	11s50	2n45	20s25	0s 8	0s49	1n17	8n46	2s36	23s38	0s12	18n38	1s41	13n44	16n53	1s 4	0s38	14n30	5s29	5n 1
F 2	22 56	16 26	4 20	25 9	1 49	11 52	2 52	20 35	0 8	0 52	1 17	8 45	2 36	23 39	0 12	18 38	1 41	13 44	16 54	1 0	0 37	14 31	5 29	5 1
S 3	23 2	18 6	4 51	24 58	1 42	11 55	2 58	20 45	0 9	0 55	1 17	8 44	2 36	23 39	0 12	18 38	1 41	13 44	16 54	0 56	0 36	14 32	5 29	5 0
S 4	23 7	18 30	5 1	24 45	1 33	11 58	3 4	20 54	0 10	0 58	1 17	8 44	2 36	23 39	0 12	18 37	1 41	13 44	16 55	0 51	0 35	14 34	5 28	5 0
M 5	23 12	17 37	4 50	24 31	1 24	12 2	3 9	21 3	0 10	1 0	1 18	8 43	2 35	23 39	0 12	18 37	1 41	13 45	16 55	0 47	0 33	14 35	5 28	5 0
T 6	23 16	15 37	4 22	24 16	1 13	12 7	3 15	21 12	0 11	1 3	1 18	8 43	2 35	23 39	0 12	18 37	1 41	13 45	16 56	0 43	0 32	14 36	5 28	4 59
W 7	23 19	12 45	3 38	24 1	1 1	12 13	3 20	21 21	0 11	1 5	1 18	8 42	2 35	23 39	0 12	18 37	1 41	13 45	16 56	0 40	0 31	14 37	5 27	4 59
T 8	23 23	9 19	2 43	23 44	0 48	12 19	3 24	21 29	0 12	1 8	1 18	8 42	2 35	23 39	0 12	18 36	1 41	13 45	16 57	0 38	0 30	14 38	5 27	4 59
F 9	23 25	5 33	1 42	23 28	0 33	12 26	3 28	21 38	0 13	1 10	1 19	8 42	2 34	23 39	0 12	18 36	1 41	13 45	16 58	0 37	0 28	14 39	5 27	4 58
S 10	23 28	1 38	0 38	23 10	0 18	12 34	3 32	21 46	0 13	1 13	1 19	8 41	2 34	23 40	0 12	18 36	1 41	13 46	16 58	0 37	0 27	14 40	5 26	4 58
S 11	23 30	2n15	0s27	22 53	0 1	12 42	3 36	21 54	0 14	1 15	1 19	8 41	2 34	23 40	0 12	18 35	1 41	13 46	16 59	0 37	0 26	14 42	5 26	4 58
M12	23 31	5 58	1 29	22 36	0n17	12 51	3 39	22 1	0 15	1 17	1 19	8 41	2 33	23 40	0 12	18 35	1 41	13 46	16 59	0 37	0 24	14 43	5 26	4 58
T 13	23 32	9 25	2 27	22 19	0 36	13 0	3 42	22 9	0 15	1 19	1 20	8 41	2 33	23 40	0 12	18 35	1 41	13 46	17 0	0 36	0 23	14 44	5 25	4 57
W14	23 32	12 28	3 18	22 2	0 55	13 9	3 45	22 16	0 16	1 21	1 20	8 41	2 33	23 40	0 12	18 35	1 41	13 47	17 0	0 34	0 22	14 45	5 25	4 57
T 15	23 32	15 0	4 0	21 47	1 14	13 19	3 47	22 23	0 17	1 23	1 20	8 41	2 33	23 40	0 12	18 34	1 41	13 47	17 1	0 30	0 21	14 46	5 24	4 57
F 16	23 31	16 56	4 32	21 31	1 34	13 30	3 49	22 30	0 17	1 25	1 20	8 41	2 32	23 40	0 12	18 34	1 41	13 47	17 2	0 26	0 19	14 47	5 24	4 56
S 17	23 30	18 9	4 52	21 17	1 53	13 41	3 51	22 37	0 18	1 27	1 21	8 41	2 32	23 40	0 12	18 34	1 41	13 48	17 2	0 20	0 18	14 48	5 23	4 56
S 18	23 29	18 33	4 59	21 4	2 11	13 52	3 53	22 43	0 19	1 29	1 21	8 41	2 32	23 41	0 12	18 34	1 41	13 48	17 3	0 14	0 17	14 49	5 23	4 56
M19	23 27	18 5	4 53	20 52	2 28	14 3	3 54	22 50	0 19	1 31	1 21	8 41	2 31	23 41	0 12	18 33	1 41	13 48	17 3	0 9	0 16	14 51	5 22	4 55
T 20	23 25	16 46	4 33	20 41	2 43	14 15	3 55	22 56	0 20	1 33	1 21	8 41	2 31	23 41	0 12	18 33	1 41	13 49	17 4	0 3	0 14	14 52	5 22	4 55
W21	23 22	14 38	3 59	20 32	2 55	14 26	3 56	23 1	0 21	1 34	1 22	8 41	2 31	23 41	0 12	18 33	1 41	13 49	17 5	0n 1	0 13	14 53	5 21	4 55
T 22	23 18	11 46	3 12	20 24	3 6	14 38	3 57	23 7	0 21	1 36	1 22	8 41	2 30	23 41	0 12	18 33	1 41	13 50	17 5	0 5	0 12	14 54	5 20	4 55
F 23	23 14	8 17	2 15	20 17	3 14	14 51	3 57	23 12	0 22	1 37	1 22	8 41	2 30	23 41	0 12	18 32	1 41	13 50	17 6	0 7	0 10	14 55	5 20	4 54
S 24	23 10	4 21	1 10	20 13	3 19	15 3	3 57	23 17	0 23	1 39	1 22	8 42	2 30	23 41	0 12	18 32	1 40	13 50	17 6	0 8	0 9	14 56	5 19	4 54
S 25	23 5	0 7	0n 0	20 10	3 22	15 16	3 58	23 22	0 23	1 40	1 23	8 42	2 30	23 41	0 12	18 32	1 40	13 51	17 7	0 8	0 8	14 57	5 18	4 54
M26	23 0	4s12	1 12	20 9	3 23	15 28	3 57	23 27	0 24	1 41	1 23	8 42	2 29	23 41	0 12	18 32	1 40	13 51	17 7	0 8	0 7	14 58	5 18	4 53
T 27	22 54	8 23	2 21	20 10	3 21	15 41	3 57	23 31	0 25	1 43	1 23	8 43	2 29	23 42	0 12	18 32	1 40	13 52	17 8	0 8	0 5	14 59	5 17	4 53
W28	22 48	12 10	3 23	20 13	3 18	15 53	3 57	23 35	0 25	1 44	1 23	8 43	2 29	23 42	0 12	18 31	1 40	13 52	17 9	0 9	0 4	15 0	5 16	4 53
T 29	22 42	15 17	4 12	20 17	3 13	16 6	3 56	23 39	0 26	1 45	1 24	8 44	2 28	23 42	0 12	18 31	1 40	13 53	17 9	0 11	0 3	15 2	5 16	4 53
F 30	22 35	17 27	4 46	20 23	3 8	16 19	3 55	23 43	0 27	1 46	1 24	8 44	2 28	23 42	0 12	18 31	1 40	13 53	17 10	0 14	0 2	15 3	5 15	4 52
S 31	22s27	18s27	5n 1	20s30	3n 1	16s32	3n54	23s46	0s27	1s47	1n24	8n45	2s28	23s42	0s12	18n31	1s40	13n54	17n10	0n18	0s 0	15n 4	5s14	4n52

Julian Day Number = 2171745.5, Delta T = 12m15s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'27, Lahiri = 13°10'27 Julian Calendar 1 Dec. 1233 == Greg. Calendar 8 Dec. 1233

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

JANUARY 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 37	18♉ 0'36	10♉36	27♐ 9	1♐28	23♐ 4	7♎45	28♈41	26♐56	29°R34	4°R35	29°R 3	29♍58	25♉27	4♓54	S 1
M 2	7 13 33	19° 1'43	25°13	27°19	2°25	23°49	7°47	28°42	26°59	29♉33	4♎35	28♍51	29°54	25°34	4°57	M 2
T 3	7 17 30	20° 2'49	9♒31	27°37	3°23	24°34	7°50	28°43	27° 3	29°32	4°35	28°42	29°51	25°40	5° 0	T 3
W 4	7 21 27	21° 3'54	23°25	28° 1	4°22	25°19	7°52	28°45	27° 6	29°31	4°35	28°34	29°48	25°47	5° 3	W 4
T 5	7 25 23	22° 4'58	6♓52	28°31	5°20	26° 3	7°54	28°46	27°10	29°31	4°35	28°30	29°45	25°54	5° 6	T 5
F 6	7 29 20	23° 6'01	19°53	29° 6	6°20	26°48	7°56	28°47	27°13	29°30	4°35	28°28	29°42	26° 1	5° 9	F 6
S 7	7 33 16	24° 7'03	2♈29	29°47	7°19	27°33	7°58	28°49	27°16	29°29	4°34	28°D27	29°39	26° 7	5°12	S 7
S 8	7 37 13	25° 8'04	14°46	0♉32	8°20	28°18	7°59	28°51	27°20	29°28	4°34	28°28	29°35	26°14	5°15	S 8
M 9	7 41 9	26° 9'03	26°49	1°21	9°20	29° 3	8° 1	28°52	27°23	29°27	4°34	28°R28	29°32	26°21	5°18	M 9
T 10	7 45 6	27°10'01	8♉43	2°14	10°21	29°48	8° 2	28°54	27°26	29°27	4°33	28°27	29°29	26°27	5°22	T 10
W11	7 49 2	28°10'59	20°32	3°10	11°22	0♉33	8° 3	28°56	27°29	29°26	4°33	28°25	29°26	26°34	5°25	W11
T 12	7 52 59	29°11'54	2♊23	4° 9	12°24	1°18	8° 3	28°58	27°33	29°25	4°33	28°19	29°23	26°41	5°28	T 12
F 13	7 56 56	0♒12'49	14°19	5°11	13°26	2° 3	8° 4	29° 1	27°36	29°24	4°32	28°12	29°20	26°47	5°31	F 13
S 14	8 0 52	1°13'42	26°24	6°15	14°29	2°48	8° 4	29° 3	27°39	29°24	4°32	28° 2	29°16	26°54	5°35	S 14
S 15	8 4 49	2°14'34	8♋40	7°22	15°31	3°33	8°R 4	29° 5	27°42	29°23	4°31	27°51	29°13	27° 1	5°38	S 15
M16	8 8 45	3°15'25	21° 9	8°31	16°34	4°18	8° 4	29° 8	27°45	29°23	4°31	27°41	29°10	27° 8	5°41	M16
T 17	8 12 42	4°16'14	3♌51	9°42	17°38	5° 4	8° 4	29°11	27°48	29°22	4°30	27°31	29° 7	27°14	5°45	T 17
W18	8 16 38	5°17'03	16°46	10°55	18°41	5°49	8° 4	29°13	27°51	29°22	4°29	27°23	29° 4	27°21	5°48	W18
T 19	8 20 35	6°17'50	29°53	12° 9	19°45	6°34	8° 3	29°16	27°54	29°21	4°29	27°17	29° 0	27°28	5°51	T 19
F 20	8 24 31	7°18'35	13♍11	13°25	20°49	7°19	8° 2	29°19	27°57	29°21	4°28	27°14	28°57	27°34	5°55	F 20
S 21	8 28 28	8°19'20	26°39	14°42	21°54	8° 5	8° 1	29°22	28° 0	29°20	4°27	27°D13	28°54	27°41	5°58	S 21
S 22	8 32 25	9°20'03	10♎18	16° 1	22°58	8°50	8° 0	29°25	28° 3	29°20	4°27	27°13	28°51	27°48	6° 2	S 22
M23	8 36 21	10°20'46	24° 6	17°22	24° 3	9°36	7°59	29°28	28° 6	29°20	4°26	27°14	28°48	27°54	6° 5	M23
T 24	8 40 18	11°21'27	8♏ 5	18°43	25° 9	10°21	7°57	29°32	28° 9	29°19	4°25	27°R15	28°45	28° 1	6° 9	T 24
W25	8 44 14	12°22'07	22°13	20° 6	26°14	11° 6	7°56	29°35	28°12	29°19	4°24	27°15	28°41	28° 8	6°12	W25
T 26	8 48 11	13°22'46	6♐28	21°30	27°20	11°52	7°54	29°39	28°15	29°19	4°23	27°13	28°38	28°15	6°16	T 26
F 27	8 52 7	14°23'24	20°50	22°55	28°26	12°38	7°52	29°42	28°17	29°19	4°22	27° 8	28°35	28°21	6°19	F 27
S 28	8 56 4	15°24'01	5♑13	24°21	29°32	13°23	7°49	29°46	28°20	29°18	4°21	27° 3	28°32	28°28	6°23	S 28
S 29	9 0 0	16°24'37	19°33	25°48	0♑38	14° 9	7°47	29°50	28°23	29°18	4°20	26°56	28°29	28°35	6°27	S 29
M30	9 3 57	17°25'11	3♒44	27°16	1°45	14°54	7°44	29°54	28°26	29°18	4°20	26°49	28°26	28°41	6°30	M30
T 31	9 7 54	18♒25'43	17♒41	28♑45	2♑51	15♑40	7♎41	29♈58	28♐28	29♉18	4♎18	26♍44	28♍22	28♉48	6♓34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s19	18s12	4n56	20s38	2n53	16s44	3n53	23s49	0s28	1s48	1n25	8n45	2s27	23s42	0s12	18n31	1s40	13n54	17n11	0n23	0n 1	15n 5	5s13	4n52
M 2	22 11	16 44	4 31	20 47	2 44	16 57	3 51	23 52	0 29	1 48	1 25	8 46	2 27	23 42	0 12	18 31	1 40	13 55	17 12	0 27	0 2	15 6	5 12	4 52
T 3	22 2	14 15	3 49	20 56	2 35	17 9	3 50	23 55	0 29	1 49	1 25	8 47	2 27	23 42	0 12	18 30	1 40	13 56	17 12	0 31	0 3	15 7	5 12	4 51
W 4	21 53	11 1	2 55	21 6	2 25	17 22	3 48	23 57	0 30	1 50	1 25	8 47	2 27	23 42	0 12	18 30	1 40	13 56	17 13	0 34	0 5	15 8	5 11	4 51
T 5	21 43	7 17	1 52	21 16	2 16	17 34	3 46	23 59	0 31	1 50	1 26	8 48	2 26	23 42	0 12	18 30	1 40	13 57	17 13	0 36	0 6	15 9	5 10	4 51
F 6	21 33	3 20	0 46	21 26	2 6	17 46	3 45	24 1	0 31	1 51	1 26	8 49	2 26	23 42	0 12	18 30	1 40	13 57	17 14	0 37	0 7	15 10	5 9	4 51
S 7	21 22	0n40	0s22	21 37	1 55	17 58	3 42	24 3	0 32	1 51	1 26	8 50	2 26	23 43	0 12	18 30	1 40	13 58	17 14	0 37	0 9	15 11	5 8	4 50
S 8	21 12	4 31	1 26	21 47	1 45	18 9	3 40	24 4	0 33	1 51	1 26	8 51	2 25	23 43	0 12	18 30	1 40	13 59	17 15	0 37	0 10	15 12	5 7	4 50
M 9	21 0	8 7	2 25	21 57	1 35	18 21	3 38	24 5	0 33	1 52	1 27	8 51	2 25	23 43	0 12	18 30	1 40	13 59	17 16	0 37	0 11	15 13	5 6	4 50
T 10	20 49	11 20	3 18	22 6	1 25	18 32	3 35	24 6	0 34	1 52	1 27	8 52	2 25	23 43	0 12	18 29	1 40	14 0	17 16	0 37	0 12	15 14	5 5	4 50
W11	20 37	14 5	4 1	22 15	1 15	18 43	3 33	24 7	0 35	1 52	1 27	8 53	2 24	23 43	0 12	18 29	1 40	14 1	17 17	0 38	0 14	15 15	5 4	4 50
T 12	20 24	16 14	4 34	22 24	1 4	18 54	3 30	24 7	0 35	1 52	1 27	8 54	2 24	23 43	0 12	18 29	1 40	14 1	17 17	0 40	0 15	15 17	5 3	4 49
F 13	20 11	17 43	4 56	22 32	0 55	19 4	3 27	24 7	0 36	1 52	1 28	8 55	2 24	23 43	0 12	18 29	1 39	14 2	17 18	0 43	0 16	15 18	5 2	4 49
S 14	19 58	18 25	5 5	22 38	0 45	19 14	3 25	24 7	0 37	1 52	1 28	8 57	2 24	23 43	0 12	18 29	1 39	14 3	17 18	0 47	0 17	15 19	5 1	4 49
S 15	19 44	18 16	4 59	22 45	0 35	19 24	3 22	24 7	0 37	1 52	1 28	8 58	2 23	23 43	0 12	18 29	1 39	14 3	17 19	0 51	0 19	15 20	5 0	4 49
M16	19 30	17 15	4 40	22 50	0 26	19 34	3 19	24 6	0 38	1 52	1 29	8 59	2 23	23 43	0 12	18 29	1 39	14 4	17 19	0 56	0 20	15 21	4 59	4 49
T 17	19 16	15 23	4 6	22 54	0 17	19 43	3 15	24 5	0 39	1 51	1 29	9 0	2 23	23 43	0 12	18 29	1 39	14 5	17 20	1 0	0 21	15 22	4 58	4 48
W18	19 1	12 42	3 20	22 58	0 8	19 52	3 12	24 4	0 39	1 51	1 29	9 1	2 22	23 43	0 12	18 29	1 39	14 5	17 21	1 3	0 23	15 23	4 57	4 48
T 19	18 46	9 21	2 22	23 0	0s 1	20 0	3 9	24 2	0 40	1 50	1 29	9 3	2 22	23 43	0 12	18 29	1 39	14 6	17 21	1 5	0 24	15 24	4 56	4 48
F 20	18 31	5 29	1 15	23 1	0 10	20 8	3 5	24 0	0 41	1 50	1 30	9 4	2 22	23 43	0 12	18 29	1 39	14 7	17 22	1 6	0 25	15 25	4 55	4 48
S 21	18 15	1 17	0 3	23 1	0 18	20 16	3 2	23 58	0 41	1 49	1 30	9 5	2 21	23 44	0 12	18 29	1 39	14 8	17 22	1 7	0 26	15 26	4 54	4 48
S 22	17 59	3s 1	1n10	23 0	0 26	20 23	2 58	23 56	0 42	1 48	1 30	9 7	2 21	23 44	0 12	18 29	1 39	14 8	17 23	1 7	0 28	15 27	4 53	4 48
M23	17 43	7 13	2 20	22 58	0 34	20 30	2 55	23 54	0 43	1 48	1 30	9 8	2 21	23 44	0 12	18 29	1 39	14 9	17 23	1 6	0 29	15 28	4 52	4 47
T 24	17 26	11 4	3 23	22 54	0 41	20 36	2 51	23 51	0 43	1 47	1 31	9 9	2 21	23 44	0 12	18 29	1 39	14 10	17 24	1 6	0 30	15 29	4 51	4 47
W25	17 10	14 19	4 13	22 50	0 49	20 42	2 47	23 48	0 44	1 46	1 31	9 11	2 20	23 44	0 12	18 29	1 39	14 11	17 24	1 6	0 31	15 30	4 49	4 47
T 26	16 52	16 44	4 49	22 44	0 56	20 47	2 44	23 45	0 44	1 45	1 31	9 12	2 20	23 44	0 12	18 29	1 39	14 11	17 25	1 7	0 33	15 31	4 48	4 47
F 27	16 35	18 7	5 7	22 37	1 3	20 52	2 40	23 41	0 45	1 44	1 31	9 14	2 20	23 44	0 12	18 29	1 39	14 12	17 25	1 8	0 34	15 32	4 47	4 47
S 28	16 17	18 20	5 6	22 28	1 9	20 56	2 36	23 37	0 46	1 43	1 32	9 16	2 20	23 44	0 12	18 29	1 39	14 13	17 26	1 11	0 35	15 33	4 46	4 47
S 29	15 59	17 24	4 46	22 18	1 15	21 0	2 32	23 33	0 46	1 41	1 32	9 17	2 19	23 44	0 12	18 29	1 38	14 14	17 26	1 13	0 36	15 34	4 45	4 46
M30	15 41	15 23	4 8	22 7	1 21	21 4	2 28	23 29	0 47	1 40	1 32	9 19	2 19	23 44	0 12	18 29	1 38	14 15	17 26	1 16	0 38	15 35	4 44	4 46
T 31	15s22	12s29	3n16	21s54	1s27	21s 7	2n24	23s24	0s48	1s39	1n33	9n20	2s19	23s44	0s12	18n29	1s38	14n15	17n27	1n18	0n39	15n36	4s42	4n46

Julian Day Number = 2171776.5, Delta T = 12m15s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'31, Lahiri = 13°10'32 Julian Calendar 1 Jan. 1234 == Greg. Calendar 8 Jan. 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

FEBRUARY 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 11 50	19♒26'14	1♓20	0♒15	3♉58	16♉26	7°R38	0♉ 2	28♐31	29°D18	4°R17	26°R39	28♍19	28♉55	6♓38	W 1
T 2	9 15 47	20°26'43	14°38	1°46	5° 5	17°11	7♎35	0° 6	28°33	29♉18	4♎16	26♍37	28°16	29° 2	6°41	T 2
F 3	9 19 43	21°27'10	27°35	3°19	6°12	17°57	7°32	0°11	28°36	29°18	4°15	26°D36	28°13	29° 8	6°45	F 3
S 4	9 23 40	22°27'35	10♈12	4°52	7°20	18°43	7°28	0°15	28°38	29°18	4°14	26°37	28°10	29°15	6°49	S 4
S 5	9 27 36	23°27'59	22°31	6°26	8°27	19°29	7°24	0°19	28°41	29°18	4°13	26°38	28° 6	29°22	6°52	S 5
M 6	9 31 33	24°28'20	4♉37	8° 1	9°35	20°14	7°20	0°24	28°43	29°19	4°12	26°40	28° 3	29°28	6°56	M 6
T 7	9 35 29	25°28'40	16°33	9°37	10°43	21° 0	7°16	0°29	28°46	29°19	4°11	26°42	28° 0	29°35	7° 0	T 7
W 8	9 39 26	26°28'57	28°25	11°14	11°51	21°46	7°12	0°33	28°48	29°19	4° 9	26°R42	27°57	29°42	7° 4	W 8
T 9	9 43 23	27°29'13	10♊17	12°52	12°59	22°32	7° 8	0°38	28°50	29°19	4° 8	26°41	27°54	29°48	7° 7	T 9
F 10	9 47 19	28°29'26	22°14	14°31	14° 7	23°18	7° 3	0°43	28°52	29°19	4° 7	26°39	27°51	29°55	7°11	F 10
S 11	9 51 16	29°29'38	4♋22	16°11	15°15	24° 4	6°58	0°48	28°55	29°20	4° 6	26°36	27°47	0♊ 2	7°15	S 11
S 12	9 55 12	0♓29'47	16°43	17°53	16°24	24°49	6°54	0°53	28°57	29°20	4° 4	26°31	27°44	0° 9	7°19	S 12
M13	9 59 9	1°29'54	29°19	19°35	17°32	25°35	6°49	0°58	28°59	29°21	4° 3	26°27	27°41	0°15	7°23	M13
T 14	10 3 5	2°30'00	12♌14	21°18	18°41	26°21	6°43	1° 3	29° 1	29°21	4° 2	26°23	27°38	0°22	7°26	T 14
W15	10 7 2	3°30'03	25°26	23° 2	19°50	27° 7	6°38	1° 9	29° 3	29°21	4° 0	26°20	27°35	0°29	7°30	W15
T 16	10 10 58	4°30'04	8♍54	24°48	20°59	27°53	6°33	1°14	29° 5	29°22	3°59	26°18	27°31	0°35	7°34	T 16
F 17	10 14 55	5°30'03	22°38	26°34	22° 8	28°39	6°27	1°19	29° 7	29°22	3°58	26°D17	27°28	0°42	7°38	F 17
S 18	10 18 52	6°30'01	6♎34	28°22	23°17	29°25	6°21	1°25	29° 9	29°23	3°56	26°17	27°25	0°49	7°42	S 18
S 19	10 22 48	7°29'56	20°38	0♓11	24°26	0♒11	6°15	1°30	29°11	29°24	3°55	26°18	27°22	0°56	7°45	S 19
M20	10 26 45	8°29'50	4♏49	2° 1	25°35	0°57	6° 9	1°36	29°13	29°24	3°53	26°20	27°19	1° 2	7°49	M20
T 21	10 30 41	9°29'43	19° 2	3°52	26°45	1°44	6° 3	1°42	29°14	29°25	3°52	26°21	27°16	1° 9	7°53	T 21
W22	10 34 38	10°29'33	3♐16	5°44	27°54	2°30	5°57	1°48	29°16	29°26	3°50	26°22	27°12	1°16	7°57	W22
T 23	10 38 34	11°29'22	17°27	7°37	29° 4	3°16	5°51	1°53	29°18	29°26	3°49	26°R22	27° 9	1°22	8° 1	T 23
F 24	10 42 31	12°29'10	1♑34	9°32	0♒14	4° 2	5°44	1°59	29°19	29°27	3°47	26°21	27° 6	1°29	8° 4	F 24
S 25	10 46 27	13°28'55	15°35	11°27	1°24	4°48	5°38	2° 5	29°21	29°28	3°46	26°20	27° 3	1°36	8° 8	S 25
S 26	10 50 24	14°28'39	29°27	13°24	2°34	5°34	5°31	2°11	29°23	29°29	3°44	26°18	27° 0	1°43	8°12	S 26
M27	10 54 21	15°28'21	13♒ 9	15°21	3°44	6°20	5°24	2°18	29°24	29°29	3°43	26°17	26°57	1°49	8°16	M27
T 28	10 58 17	16♓28'01	26♒38	17♓20	4♒54	7♒ 7	5♎17	2♉24	29♐25	29♉30	3♎41	26♍16	26♍53	1♊56	8♓20	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 3	8s58	2n13	21s40	1s32	21s 9	2n20	23s19	0s48	1s37	1n33	9n22	2s18	23s44	0s12	18n29	1s38	14n16	17n27	1n20	0n40	15n37	4s41	4n46
T 2	14 44	5 5	1 5	21 25	1 37	21 11	2 16	23 14	0 49	1 36	1 33	9 24	2 18	23 44	0 12	18 29	1 38	14 17	17 28	1 21	0 42	15 38	4 40	4 46
F 3	14 25	1 3	0s 5	21 8	1 41	21 12	2 11	23 9	0 50	1 34	1 33	9 26	2 18	23 44	0 12	18 29	1 38	14 18	17 28	1 21	0 43	15 39	4 39	4 46
S 4	14 5	2n56	1 14	20 50	1 46	21 13	2 7	23 3	0 50	1 33	1 33	9 27	2 18	23 44	0 13	18 29	1 38	14 19	17 29	1 21	0 44	15 40	4 37	4 46
S 5	13 45	6 41	2 17	20 30	1 50	21 13	2 3	22 57	0 51	1 31	1 34	9 29	2 17	23 44	0 13	18 29	1 38	14 20	17 29	1 20	0 45	15 41	4 36	4 46
M 6	13 25	10 5	3 13	20 9	1 53	21 13	1 59	22 51	0 52	1 29	1 34	9 31	2 17	23 44	0 13	18 29	1 38	14 20	17 29	1 20	0 47	15 42	4 35	4 45
T 7	13 5	13 1	4 0	19 47	1 56	21 12	1 55	22 45	0 52	1 27	1 34	9 33	2 17	23 44	0 13	18 29	1 38	14 21	17 30	1 19	0 48	15 43	4 34	4 45
W 8	12 44	15 24	4 36	19 23	1 59	21 11	1 50	22 38	0 53	1 26	1 34	9 35	2 17	23 44	0 13	18 30	1 38	14 22	17 30	1 19	0 49	15 44	4 32	4 45
T 9	12 24	17 7	5 1	18 58	2 2	21 9	1 46	22 31	0 53	1 24	1 35	9 37	2 16	23 44	0 13	18 30	1 38	14 23	17 31	1 19	0 50	15 45	4 31	4 45
F 10	12 3	18 7	5 12	18 31	2 4	21 6	1 42	22 24	0 54	1 22	1 35	9 39	2 16	23 44	0 13	18 30	1 38	14 24	17 31	1 20	0 52	15 46	4 30	4 45
S 11	11 42	18 18	5 10	18 3	2 6	21 3	1 37	22 17	0 55	1 20	1 35	9 41	2 16	23 45	0 13	18 30	1 38	14 25	17 31	1 22	0 53	15 47	4 28	4 45
S 12	11 21	17 37	4 54	17 33	2 7	20 59	1 33	22 9	0 55	1 17	1 35	9 43	2 16	23 45	0 13	18 30	1 38	14 25	17 32	1 23	0 54	15 48	4 27	4 45
M13	10 59	16 5	4 24	17 2	2 8	20 55	1 29	22 2	0 56	1 15	1 35	9 45	2 15	23 45	0 13	18 30	1 38	14 26	17 32	1 25	0 55	15 49	4 26	4 45
T 14	10 38	13 42	3 39	16 29	2 8	20 50	1 25	21 54	0 57	1 13	1 36	9 47	2 15	23 45	0 13	18 30	1 38	14 27	17 32	1 27	0 57	15 50	4 24	4 45
W15	10 16	10 33	2 42	15 55	2 8	20 45	1 20	21 45	0 57	1 11	1 36	9 49	2 15	23 45	0 13	18 31	1 37	14 28	17 33	1 28	0 58	15 51	4 23	4 45
T 16	9 54	6 48	1 34	15 19	2 8	20 39	1 16	21 37	0 58	1 8	1 36	9 51	2 15	23 45	0 13	18 31	1 37	14 29	17 33	1 29	0 59	15 52	4 22	4 45
F 17	9 32	2 38	0 20	14 42	2 7	20 32	1 12	21 28	0 58	1 6	1 36	9 53	2 15	23 45	0 13	18 31	1 37	14 30	17 33	1 29	1 1	15 53	4 20	4 45
S 18	9 10	1s45	0n56	14 3	2 5	20 25	1 7	21 19	0 59	1 4	1 36	9 55	2 14	23 45	0 13	18 31	1 37	14 30	17 34	1 29	1 2	15 54	4 19	4 44
S 19	8 47	6 5	2 10	13 23	2 4	20 17	1 3	21 10	1 0	1 1	1 37	9 57	2 14	23 45	0 13	18 31	1 37	14 31	17 34	1 28	1 3	15 55	4 18	4 44
M20	8 25	10 5	3 17	12 41	2 1	20 9	0 59	21 0	1 0	0 59	1 37	9 59	2 14	23 45	0 13	18 31	1 37	14 32	17 34	1 28	1 4	15 56	4 16	4 44
T 21	8 2	13 31	4 12	11 58	1 58	20 0	0 55	20 51	1 1	0 56	1 37	10 1	2 14	23 45	0 13	18 32	1 37	14 33	17 35	1 27	1 6	15 57	4 15	4 44
W22	7 40	16 8	4 51	11 14	1 55	19 50	0 50	20 41	1 1	0 53	1 37	10 4	2 13	23 45	0 13	18 32	1 37	14 34	17 35	1 27	1 7	15 58	4 14	4 44
T 23	7 17	17 45	5 12	10 28	1 51	19 40	0 46	20 31	1 2	0 51	1 37	10 6	2 13	23 45	0 13	18 32	1 37	14 35	17 35	1 27	1 8	15 59	4 12	4 44
F 24	6 54	18 17	5 15	9 41	1 47	19 30	0 42	20 20	1 2	0 48	1 37	10 8	2 13	23 45	0 13	18 32	1 37	14 35	17 35	1 27	1 9	16 0	4 11	4 44
S 25	6 31	17 41	4 59	8 52	1 42	19 19	0 38	20 10	1 3	0 45	1 37	10 10	2 13	23 45	0 13	18 32	1 37	14 36	17 36	1 28	1 11	16 1	4 9	4 44
S 26	6 8	16 2	4 25	8 2	1 36	19 7	0 34	19 59	1 4	0 42	1 38	10 12	2 13	23 45	0 13	18 33	1 37	14 37	17 36	1 28	1 12	16 2	4 8	4 44
M27	5 45	13 29	3 37	7 11	1 30	18 55	0 30	19 48	1 4	0 40	1 38	10 15	2 12	23 45	0 13	18 33	1 37	14 38	17 36	1 29	1 13	16 2	4 7	4 44
T 28	5s22	10s14	2n37	6s18	1s24	18s42	0n26	19s37	1s 5	0s37	1n38	10n17	2s12	23s45	0s13	18n33	1s37	14n39	17n36	1n30	1n15	16n 3	4s 5	4n44

Julian Day Number = 2171807.5, Delta T = 12m15s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'35, Lahiri = 13°10'36 Julian Calendar 1 Feb. 1234 == Greg. Calendar 8 Feb. 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

MARCH 1234 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 2 14	17♓27'39	9♓53	19♓19	6♒ 4	7♒53	5°R10	2♉30	29♐27	29♉31	3°R39	26°R15	26♍50	2♊ 3	8♓23	W 1
T 2	11 6 10	18°27'15	22°53	21°19	7°14	8°39	5♎ 3	2°36	29°28	29°32	3♎38	26°D14	26°47	2° 9	8°27	T 2
F 3	11 10 7	19°26'49	5♈37	23°20	8°24	9°25	4°56	2°43	29°29	29°33	3°36	26♍14	26°44	2°16	8°31	F 3
S 4	11 14 3	20°26'21	18° 6	25°21	9°35	10°11	4°49	2°49	29°31	29°34	3°35	26°15	26°41	2°23	8°35	S 4
S 5	11 18 0	21°25'50	0♉22	27°22	10°45	10°58	4°41	2°55	29°32	29°35	3°33	26°15	26°37	2°29	8°38	S 5
M 6	11 21 56	22°25'18	12°26	29°23	11°55	11°44	4°34	3° 2	29°33	29°36	3°31	26°16	26°34	2°36	8°42	M 6
T 7	11 25 53	23°24'43	24°23	1♈24	13° 6	12°30	4°27	3° 9	29°34	29°37	3°30	26°16	26°31	2°43	8°46	T 7
W 8	11 29 49	24°24'06	6♊15	3°25	14°17	13°16	4°19	3°15	29°35	29°39	3°28	26°16	26°28	2°50	8°49	W 8
T 9	11 33 46	25°23'26	18° 8	5°24	15°27	14° 3	4°12	3°22	29°36	29°40	3°26	26°17	26°25	2°56	8°53	T 9
F 10	11 37 43	26°22'45	0♋ 5	7°23	16°38	14°49	4° 4	3°29	29°37	29°41	3°25	26°17	26°22	3° 3	8°57	F 10
S 11	11 41 39	27°22'01	12°12	9°20	17°49	15°35	3°56	3°35	29°38	29°42	3°23	26°17	26°18	3°10	9° 0	S 11
S 12	11 45 36	28°21'14	24°32	11°15	18°59	16°21	3°49	3°42	29°39	29°43	3°21	26°17	26°15	3°16	9° 4	S 12
M13	11 49 32	29°20'25	7♌10	13° 8	20°10	17° 8	3°41	3°49	29°40	29°45	3°20	26°17	26°12	3°23	9° 8	M13
T 14	11 53 29	0♈19'34	20° 9	14°58	21°21	17°54	3°34	3°56	29°40	29°46	3°18	26°17	26° 9	3°30	9°11	T 14
W15	11 57 25	1°18'41	3♍30	16°45	22°32	18°40	3°26	4° 3	29°41	29°47	3°16	26°18	26° 6	3°37	9°15	W15
T 16	12 1 22	2°17'45	17°14	18°28	23°43	19°26	3°18	4°10	29°42	29°49	3°15	26°18	26° 2	3°43	9°19	T 16
F 17	12 5 18	3°16'47	1♎18	20° 7	24°54	20°13	3°10	4°17	29°42	29°50	3°13	26°R18	25°59	3°50	9°22	F 17
S 18	12 9 15	4°15'47	15°40	21°43	26° 5	20°59	3° 3	4°24	29°43	29°51	3°11	26°18	25°56	3°57	9°26	S 18
S 19	12 13 12	5°14'45	0♏13	23°14	27°16	21°45	2°55	4°31	29°43	29°53	3°10	26°17	25°53	4° 3	9°29	S 19
M20	12 17 8	6°13'41	14°52	24°40	28°28	22°31	2°47	4°38	29°44	29°54	3° 8	26°16	25°50	4°10	9°33	M20
T 21	12 21 5	7°12'36	29°30	26° 0	29°39	23°18	2°40	4°45	29°44	29°56	3° 6	26°15	25°47	4°17	9°36	T 21
W22	12 25 1	8°11'28	14♐ 2	27°16	0♓50	24° 4	2°32	4°53	29°44	29°57	3° 5	26°14	25°43	4°24	9°40	W22
T 23	12 28 58	9°10'19	28°22	28°26	2° 1	24°50	2°24	5° 0	29°45	29°59	3° 3	26°13	25°40	4°30	9°43	T 23
F 24	12 32 54	10° 9'08	12♑28	29°31	3°13	25°37	2°17	5° 7	29°45	0♊ 0	3° 1	26°D13	25°37	4°37	9°46	F 24
S 25	12 36 51	11° 7'56	26°18	0♉30	4°24	26°23	2° 9	5°15	29°45	0° 2	3° 0	26°13	25°34	4°44	9°50	S 25
S 26	12 40 47	12° 6'41	9♒52	1°22	5°36	27° 9	2° 2	5°22	29°45	0° 4	2°58	26°14	25°31	4°50	9°53	S 26
M27	12 44 44	13° 5'25	23°11	2° 9	6°47	27°55	1°54	5°29	29°45	0° 5	2°56	26°15	25°28	4°57	9°56	M27
T 28	12 48 41	14° 4'07	6♓16	2°50	7°59	28°41	1°47	5°37	29°R45	0° 7	2°55	26°17	25°24	5° 4	10° 0	T 28
W29	12 52 37	15° 2'48	19° 7	3°24	9°10	29°28	1°39	5°44	29°45	0° 9	2°53	26°17	25°21	5°11	10° 3	W29
T 30	12 56 34	16° 1'26	1♈46	3°53	10°22	0♓14	1°32	5°52	29°45	0°10	2°51	26°R18	25°18	5°17	10° 6	T 30
F 31	13 0 30	17♈ 0'02	14♈13	4♉15	11♓33	1♓ 0	1♎25	5♉59	29♐45	0♊12	2♎50	26♍17	25♍15	5♊24	10♓ 9	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s58	6s31	1n29	5s25	1s16	18s29	0n22	19s25	1s 5	0s34	1n38	10n19	2s12	23s45	0s13	18n33	1s37	14n39	17n36	1n30	1n16	16n 4	4s 4	4n44
T 2	4 35	2 33	0 19	4 30	1 9	18 15	0 18	19 14	1 6	0 31	1 38	10 22	2 12	23 45	0 13	18 34	1 37	14 40	17 37	1 30	1 17	16 5	4 3	4 44
F 3	4 12	1n27	0s52	3 35	1 0	18 1	0 14	19 2	1 6	0 28	1 38	10 24	2 12	23 45	0 13	18 34	1 36	14 41	17 37	1 30	1 18	16 6	4 1	4 44
S 4	3 48	5 18	1 58	2 39	0 52	17 46	0 10	18 50	1 7	0 25	1 38	10 26	2 11	23 45	0 13	18 34	1 36	14 42	17 37	1 30	1 20	16 7	4 0	4 44
S 5	3 25	8 52	2 58	1 42	0 42	17 31	0 6	18 38	1 8	0 22	1 38	10 29	2 11	23 45	0 13	18 35	1 36	14 43	17 37	1 30	1 21	16 8	3 58	4 44
M 6	3 1	12 0	3 49	0n13	0 22	16 59	0s 1	18 13	1 9	0 16	1 39	10 34	2 11	23 45	0 13	18 35	1 36	14 43	17 37	1 29	1 22	16 9	3 57	4 44
T 7	2 38	14 35	4 30	0n13	0 22	16 59	0s 1	18 13	1 9	0 16	1 39	10 34	2 11	23 45	0 13	18 35	1 36	14 44	17 37	1 29	1 23	16 10	3 56	4 44
W 8	2 14	16 32	4 58	1 11	0 11	16 42	0 5	18 0	1 9	0 13	1 39	10 36	2 11	23 45	0 13	18 35	1 36	14 45	17 38	1 29	1 25	16 11	3 54	4 44
T 9	1 50	17 47	5 14	2 9	0 0	16 24	0 9	17 47	1 10	0 10	1 39	10 38	2 11	23 45	0 13	18 36	1 36	14 46	17 38	1 29	1 26	16 12	3 53	4 44
F 10	1 27	18 16	5 17	3 7	0n11	16 7	0 12	17 34	1 10	0 7	1 39	10 41	2 10	23 45	0 13	18 36	1 36	14 46	17 38	1 29	1 27	16 13	3 51	4 44
S 11	1 3	17 54	5 5	4 4	0 23	15 49	0 16	17 21	1 11	0 4	1 39	10 43	2 10	23 45	0 13	18 36	1 36	14 47	17 38	1 29	1 28	16 14	3 50	4 44
S 12	0 39	16 43	4 40	5 0	0 35	15 30	0 19	17 8	1 11	0 1	1 39	10 46	2 10	23 45	0 13	18 37	1 36	14 48	17 38	1 29	1 30	16 15	3 49	4 44
M13	0 16	14 41	4 0	5 55	0 46	15 11	0 23	16 54	1 12	0n 2	1 39	10 48	2 10	23 45	0 13	18 37	1 36	14 49	17 38	1 29	1 31	16 15	3 47	4 44
T 14	0n 8	11 52	3 7	6 49	0 58	14 51	0 26	16 40	1 12	0 5	1 39	10 51	2 10	23 45	0 13	18 37	1 36	14 49	17 38	1 29	1 32	16 16	3 46	4 44
W15	0 31	8 21	2 3	7 41	1 10	14 31	0 30	16 26	1 13	0 9	1 39	10 53	2 10	23 45	0 13	18 38	1 36	14 50	17 38	1 29	1 34	16 17	3 45	4 44
T 16	0 55	4 18	0 50	8 32	1 22	14 11	0 33	16 12	1 13	0 12	1 39	10 56	2 9	23 45	0 13	18 38	1 36	14 51	17 38	1 29	1 35	16 18	3 43	4 44
F 17	1 19	0s 6	0n28	9 20	1 34	13 50	0 36	15 58	1 14	0 15	1 39	10 58	2 9	23 45	0 13	18 38	1 36	14 51	17 38	1 29	1 36	16 19	3 42	4 44
S 18	1 42	4 34	1 45	10 7	1 45	13 29	0 39	15 44	1 14	0 18	1 39	11 1	2 9	23 45	0 13	18 39	1 36	14 52	17 38	1 29	1 37	16 20	3 40	4 44
S 19	2 6	8 50	2 57	10 51	1 55	13 8	0 42	15 29	1 15	0 21	1 39	11 3	2 9	23 45	0 13	18 39	1 36	14 53	17 38	1 29	1 39	16 21	3 39	4 45
M20	2 29	12 34	3 58	11 32	2 6	12 46	0 45	15 15	1 15	0 24	1 39	11 6	2 9	23 46	0 13	18 39	1 36	14 53	17 38	1 29	1 40	16 22	3 38	4 45
T 21	2 52	15 31	4 43	12 11	2 15	12 24	0 48	15 0	1 15	0 27	1 39	11 8	2 9	23 46	0 13	18 40	1 36	14 54	17 38	1 30	1 41	16 23	3 36	4 45
W22	3 16	17 27	5 9	12 47	2 24	12 1	0 51	14 45	1 16	0 30	1 39	11 11	2 9	23 46	0 13	18 40	1 35	14 55	17 38	1 30	1 42	16 24	3 35	4 45
T 23	3 39	18 15	5 16	13 20	2 33	11 38	0 54	14 30	1 16	0 33	1 39	11 13	2 8	23 46	0 13	18 40	1 35	14 55	17 38	1 31	1 44	16 24	3 34	4 45
F 24	4 2	17 54	5 4	13 50	2 40	11 15	0 57	14 14	1 17	0 36	1 39	11 16	2 8	23 46	0 13	18 41	1 35	14 56	17 38	1 31	1 45	16 25	3 32	4 45
S 25	4 25	16 29	4 34	14 17	2 46	10 51	0 59	13 59	1 17	0 39	1 39	11 18	2 8	23 46	0 13	18 41	1 35	14 57	17 38	1 31	1 46	16 26	3 31	4 45
S 26	4 48	14 10	3 49	14 41	2 52	10 27	1 2	13 43	1 18	0 42	1 39	11 21	2 8	23 46	0 13	18 42	1 35	14 57	17 38	1 30	1 47	16 27	3 30	4 45
M27	5 11	11 7	2 53	15 2	2 57	10 3	1 4	13 28	1 18	0 45	1 39	11 24	2 8	23 46	0 13	18 42	1 35	14 58	17 38	1 30	1 49	16 28	3 28	4 45
T 28	5 34	7 34	1 48	15 19	3 0	9 39	1 7	13 12	1 18	0 48	1 39	11 26	2 8	23 46	0 14	18 42	1 35	14 58	17 38	1 29	1 50	16 29	3 27	4 45
W29	5 57	3 43	0 40	15 33	3 2	9 14	1 9	12 56	1 19	0 51	1 39	11 29	2 8	23 46	0 14	18 43	1 35	14 59	17 38	1 29	1 51	16 30	3 26	4 45
T 30	6 20	0n15	0s30	15 44	3 3	8 49	1 11	12 40	1 19	0 54	1 38	11 31	2 8	23 46	0 14	18 43	1 35	14 59	17 38	1 29	1 53	16 31	3 24	4 45
F 31	6n42	4n 8	1s37	15n52	3n 3	8s23	1s14	12s24	1s20	0n56	1n38	11n34	2s 8	23s46	0s14	18n44	1s35	15n 0	17n38	1n29	1n54	16n31	3s23	4n46

Julian Day Number = 2171835.5, Delta T = 12m14s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'39, Lahiri = 13°10'40 Julian Calendar 1 March 1234 == Greg. Calendar 8 March 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

APRIL 1234 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 27	17♈58'37	26♈30	4♉31	12♓45	1♓46	1°R17	6♉ 7	29°R45	0♊14	2°R48	26°R14	25♍12	5♊31	10♓13	S 1
S 2	13 8 23	18°57'09	8♉37	4°40	13°57	2°32	1♎10	6°14	29♐45	0°16	2♎47	26♍11	25° 8	5°37	10°16	S 2
M 3	13 12 20	19°55'40	20°38	4°R44	15° 8	3°19	1° 3	6°22	29°44	0°17	2°45	26° 8	25° 5	5°44	10°19	M 3
T 4	13 16 16	20°54'08	2♊32	4°42	16°20	4° 5	0°56	6°29	29°44	0°19	2°43	26° 3	25° 2	5°51	10°22	T 4
W 5	13 20 13	21°52'35	14°24	4°35	17°32	4°51	0°50	6°37	29°44	0°21	2°42	25°59	24°59	5°58	10°25	W 5
T 6	13 24 9	22°50'59	26°16	4°22	18°43	5°37	0°43	6°45	29°43	0°23	2°40	25°56	24°56	6° 4	10°28	T 6
F 7	13 28 6	23°49'22	8♋12	4° 4	19°55	6°23	0°36	6°52	29°43	0°25	2°39	25°54	24°53	6°11	10°31	F 7
S 8	13 32 3	24°47'42	20°17	3°42	21° 7	7° 9	0°30	7° 0	29°42	0°27	2°37	25°D53	24°49	6°18	10°34	S 8
S 9	13 35 59	25°46'00	2♌34	3°15	22°19	7°55	0°23	7° 8	29°41	0°29	2°36	25°53	24°46	6°24	10°37	S 9
M10	13 39 56	26°44'16	15° 9	2°45	23°31	8°41	0°17	7°15	29°41	0°30	2°34	25°54	24°43	6°31	10°40	M10
T 11	13 43 52	27°42'30	28° 5	2°12	24°43	9°27	0°11	7°23	29°40	0°32	2°33	25°55	24°40	6°38	10°43	T 11
W12	13 47 49	28°40'41	11♍26	1°37	25°55	10°13	0° 5	7°31	29°39	0°34	2°31	25°57	24°37	6°45	10°45	W12
T 13	13 51 45	29°38'51	25°14	1° 0	27° 6	10°59	29♍59	7°39	29°39	0°36	2°30	25°R57	24°34	6°51	10°48	T 13
F 14	13 55 42	0♉36'59	9♎28	0°21	28°18	11°45	29°53	7°46	29°38	0°38	2°28	25°57	24°30	6°58	10°51	F 14
S 15	13 59 38	1°35'05	24° 5	29♈43	29°30	12°31	29°47	7°54	29°37	0°40	2°27	25°54	24°27	7° 5	10°54	S 15
S 16	14 3 35	2°33'09	8♏59	29° 5	0♈42	13°17	29°42	8° 2	29°36	0°42	2°26	25°51	24°24	7°11	10°56	S 16
M17	14 7 32	3°31'11	24° 3	28°28	1°54	14° 3	29°36	8°10	29°35	0°44	2°24	25°45	24°21	7°18	10°59	M17
T 18	14 11 28	4°29'12	9♐ 6	27°52	3° 6	14°48	29°31	8°17	29°34	0°46	2°23	25°40	24°18	7°25	11° 2	T 18
W19	14 15 25	5°27'12	24° 0	27°19	4°18	15°34	29°26	8°25	29°33	0°48	2°21	25°35	24°14	7°32	11° 4	W19
T 20	14 19 21	6°25'10	8♑36	26°49	5°31	16°20	29°21	8°33	29°32	0°51	2°20	25°30	24°11	7°38	11° 7	T 20
F 21	14 23 18	7°23'07	22°52	26°21	6°43	17° 6	29°16	8°41	29°31	0°53	2°19	25°28	24° 8	7°45	11° 9	F 21
S 22	14 27 14	8°21'03	6♒43	25°58	7°55	17°52	29°11	8°48	29°30	0°55	2°18	25°D27	24° 5	7°52	11°12	S 22
S 23	14 31 11	9°18'57	20°12	25°38	9° 7	18°37	29° 7	8°56	29°28	0°57	2°16	25°27	24° 2	7°58	11°14	S 23
M24	14 35 7	10°16'50	3♓19	25°22	10°19	19°23	29° 2	9° 4	29°27	0°59	2°15	25°28	23°59	8° 5	11°16	M24
T 25	14 39 4	11°14'41	16° 8	25°11	11°31	20° 9	28°58	9°12	29°26	1° 1	2°14	25°30	23°55	8°12	11°19	T 25
W26	14 43 1	12°12'31	28°42	25° 5	12°44	20°54	28°54	9°20	29°24	1° 3	2°13	25°R30	23°52	8°19	11°21	W26
T 27	14 46 57	13°10'20	11♈ 4	25°D 2	13°56	21°40	28°50	9°27	29°23	1° 5	2°11	25°29	23°49	8°25	11°23	T 27
F 28	14 50 54	14° 8'08	23°17	25° 5	15° 8	22°25	28°47	9°35	29°22	1° 7	2°10	25°25	23°46	8°32	11°25	F 28
S 29	14 54 50	15° 5'55	5♉21	25°12	16°20	23°11	28°43	9°43	29°20	1°10	2° 9	25°19	23°43	8°39	11°27	S 29
S 30	14 58 47	16♉ 3'40	17♉21	25♈24	17♈33	23♓56	28♍40	9♉51	29♐19	1♊12	2♎ 8	25♍12	23♍39	8♊45	11♓29	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 5	7n48	2s39	15n56	3n 2	7s58	1s16	12s 8	1s20	0n59	1n38	11n36	2s 7	23s46	0s14	18n44	1s35	15n 1	17n37	1n30	1n55	16n32	3s22	4n46
S 2	7 27	11 5	3 32	15 57	2 59	7 32	1 18	11 52	1 20	1 2	1 38	11 39	2 7	23 46	0 14	18 44	1 35	15 1	17 37	1 31	1 56	16 33	3 20	4 46
M 3	7 49	13 52	4 16	15 54	2 55	7 6	1 20	11 35	1 21	1 5	1 38	11 42	2 7	23 46	0 14	18 45	1 35	15 2	17 37	1 33	1 58	16 34	3 19	4 46
T 4	8 11	16 3	4 48	15 48	2 50	6 40	1 22	11 19	1 21	1 7	1 38	11 44	2 7	23 46	0 14	18 45	1 35	15 2	17 37	1 34	1 59	16 35	3 18	4 46
W 5	8 33	17 32	5 7	15 39	2 43	6 14	1 23	11 2	1 21	1 10	1 38	11 47	2 7	23 46	0 14	18 46	1 35	15 2	17 37	1 36	2 0	16 36	3 17	4 46
T 6	8 55	18 16	5 13	15 27	2 35	5 47	1 25	10 45	1 22	1 12	1 38	11 49	2 7	23 46	0 14	18 46	1 35	15 3	17 37	1 37	2 1	16 37	3 15	4 46
F 7	9 17	18 11	5 6	15 12	2 25	5 20	1 27	10 29	1 22	1 15	1 38	11 52	2 7	23 46	0 14	18 46	1 35	15 3	17 36	1 38	2 3	16 37	3 14	4 46
S 8	9 38	17 17	4 46	14 55	2 15	4 53	1 28	10 12	1 23	1 17	1 37	11 54	2 7	23 46	0 14	18 47	1 35	15 4	17 36	1 39	2 4	16 38	3 13	4 47
S 9	10 0	15 35	4 12	14 34	2 3	4 26	1 30	9 55	1 23	1 20	1 37	11 57	2 7	23 46	0 14	18 47	1 35	15 4	17 36	1 39	2 5	16 39	3 12	4 47
M10	10 21	13 6	3 25	14 12	1 50	3 59	1 31	9 38	1 23	1 22	1 37	12 0	2 7	23 46	0 14	18 48	1 35	15 5	17 36	1 38	2 6	16 40	3 10	4 47
T 11	10 42	9 54	2 27	13 47	1 36	3 32	1 33	9 21	1 23	1 25	1 37	12 2	2 7	23 46	0 14	18 48	1 35	15 5	17 36	1 38	2 8	16 41	3 9	4 47
W12	11 3	6 6	1 19	13 20	1 21	3 4	1 34	9 3	1 24	1 27	1 37	12 5	2 7	23 46	0 14	18 49	1 35	15 5	17 35	1 37	2 9	16 42	3 8	4 47
T 13	11 24	1 51	0 4	12 53	1 5	2 37	1 35	8 46	1 24	1 29	1 37	12 7	2 6	23 46	0 14	18 49	1 35	15 6	17 35	1 37	2 10	16 42	3 7	4 47
F 14	11 44	2s39	1n13	12 24	0 48	2 9	1 36	8 29	1 24	1 31	1 36	12 10	2 6	23 46	0 14	18 50	1 35	15 6	17 35	1 37	2 11	16 43	3 6	4 47
S 15	12 4	7 6	2 27	11 54	0 31	1 41	1 37	8 12	1 25	1 33	1 36	12 12	2 6	23 46	0 14	18 50	1 35	15 6	17 35	1 38	2 13	16 44	3 5	4 48
S 16	12 24	11 11	3 33	11 25	0 14	1 13	1 38	7 54	1 25	1 35	1 36	12 15	2 6	23 46	0 14	18 50	1 34	15 7	17 34	1 40	2 14	16 45	3 3	4 48
M17	12 44	14 35	4 24	10 55	0s 3	0 45	1 39	7 37	1 25	1 37	1 36	12 18	2 6	23 46	0 14	18 51	1 34	15 7	17 34	1 42	2 15	16 46	3 2	4 48
T 18	13 4	17 0	4 57	10 27	0 20	0 17	1 40	7 19	1 25	1 39	1 36	12 20	2 6	23 46	0 14	18 51	1 34	15 7	17 34	1 44	2 17	16 47	3 1	4 48
W19	13 24	18 14	5 10	9 59	0 37	0n11	1 40	7 1	1 26	1 41	1 36	12 23	2 6	23 46	0 14	18 52	1 34	15 7	17 33	1 46	2 18	16 47	3 0	4 48
T 20	13 43	18 14	5 2	9 33	0 54	0 39	1 41	6 44	1 26	1 43	1 35	12 25	2 6	23 46	0 14	18 52	1 34	15 8	17 33	1 48	2 19	16 48	2 59	4 48
F 21	14 2	17 4	4 36	9 8	1 10	1 7	1 42	6 26	1 26	1 45	1 35	12 28	2 6	23 46	0 14	18 53	1 34	15 8	17 33	1 49	2 20	16 49	2 58	4 48
S 22	14 21	14 54	3 53	8 45	1 25	1 35	1 42	6 8	1 26	1 46	1 35	12 30	2 6	23 46	0 14	18 53	1 34	15 8	17 33	1 49	2 22	16 50	2 57	4 49
S 23	14 39	11 58	2 59	8 24	1 40	2 3	1 42	5 51	1 26	1 48	1 35	12 33	2 6	23 46	0 14	18 54	1 34	15 8	17 32	1 49	2 23	16 51	2 56	4 49
M24	14 58	8 31	1 57	8 5	1 54	2 32	1 43	5 33	1 27	1 50	1 35	12 35	2 6	23 46	0 14	18 54	1 34	15 9	17 32	1 48	2 24	16 51	2 55	4 49
T 25	15 16	4 43	0 50	7 49	2 7	3 0	1 43	5 15	1 27	1 51	1 34	12 38	2 6	23 46	0 14	18 55	1 34	15 9	17 32	1 48	2 25	16 52	2 54	4 49
W26	15 34	0 47	0s17	7 35	2 19	3 28	1 43	4 57	1 27	1 53	1 34	12 40	2 6	23 46	0 14	18 55	1 34	15 9	17 31	1 48	2 27	16 53	2 53	4 49
T 27	15 51	3n 7	1 23	7 24	2 31	3 56	1 43	4 39	1 27	1 54	1 34	12 43	2 6	23 46	0 14	18 55	1 34	15 9	17 31	1 48	2 28	16 54	2 52	4 50
F 28	16 9	6 51	2 24	7 15	2 41	4 24	1 43	4 21	1 27	1 55	1 34	12 45	2 6	23 46	0 14	18 56	1 34	15 9	17 30	1 50	2 29	16 55	2 51	4 50
S 29	16 26	10 15	3 18	7 9	2 50	4 52	1 43	4 3	1 27	1 56	1 33	12 48	2 6	23 46	0 14	18 56	1 34	15 9	17 30	1 52	2 30	16 55	2 50	4 50
S 30	16n43	13n12	4s 2	7n 5	2s58	5n20	1s43	3s45	1s28	1n58	1n33	12n50	2s 6	23s46	0s14	18n57	1s34	15n 9	17n30	1n55	2n32	16n56	2s49	4n50

Julian Day Number = 2171866.5, Delta T = 12m14s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'43, Lahiri = 13°10'44 Julian Calendar 1 Apr. 1234 == Greg. Calendar 8 Apr. 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

MAY 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 2 43	17♉ 1'23	29♉16	25♈40	18♈45	24♓42	28°R36	9♉58	29°R17	1♊14	2°R 7	25°R 2	23♍36	8♊52	11♓31	M 1
T 2	15 6 40	17°59'06	11♊ 8	26° 0	19°57	25°27	28♍33	10° 6	29♐15	1°16	2♎ 6	24♍52	23°33	8°59	11°33	T 2
W 3	15 10 36	18°56'46	22°59	26°25	21° 9	26°12	28°30	10°14	29°14	1°18	2° 5	24°42	23°30	9° 6	11°35	W 3
T 4	15 14 33	19°54'26	4♋52	26°54	22°22	26°58	28°28	10°22	29°12	1°21	2° 4	24°33	23°27	9°12	11°37	T 4
F 5	15 18 30	20°52'04	16°49	27°27	23°34	27°43	28°25	10°29	29°10	1°23	2° 3	24°26	23°24	9°19	11°39	F 5
S 6	15 22 26	21°49'40	28°53	28° 4	24°47	28°28	28°23	10°37	29° 9	1°25	2° 2	24°21	23°20	9°26	11°41	S 6
S 7	15 26 23	22°47'15	11♌ 8	28°45	25°59	29°13	28°21	10°45	29° 7	1°27	2° 1	24°19	23°17	9°33	11°43	S 7
M 8	15 30 19	23°44'49	23°39	29°30	27°11	29°59	28°19	10°52	29° 5	1°29	2° 0	24°D18	23°14	9°39	11°44	M 8
T 9	15 34 16	24°42'21	6♍30	0♉18	28°24	0♈44	28°17	11° 0	29° 3	1°32	1°59	24°18	23°11	9°46	11°46	T 9
W10	15 38 12	25°39'51	19°45	1°10	29°36	1°29	28°15	11° 8	29° 1	1°34	1°59	24°R19	23° 8	9°53	11°47	W10
T 11	15 42 9	26°37'20	3♎28	2° 6	0♉49	2°14	28°14	11°15	29° 0	1°36	1°58	24°19	23° 5	9°59	11°49	T 11
F 12	15 46 5	27°34'48	17°40	3° 5	2° 1	2°58	28°13	11°23	28°58	1°38	1°57	24°17	23° 1	10° 6	11°50	F 12
S 13	15 50 2	28°32'14	2♏19	4° 7	3°14	3°43	28°11	11°31	28°56	1°41	1°56	24°12	22°58	10°13	11°52	S 13
S 14	15 53 59	29°29'40	17°20	5°12	4°26	4°28	28°11	11°38	28°54	1°43	1°56	24° 6	22°55	10°20	11°53	S 14
M15	15 57 55	0♊27'04	2♐35	6°20	5°39	5°13	28°10	11°46	28°52	1°45	1°55	23°57	22°52	10°26	11°55	M15
T 16	16 1 52	1°24'28	17°54	7°32	6°51	5°58	28° 9	11°53	28°50	1°47	1°54	23°47	22°49	10°33	11°56	T 16
W17	16 5 48	2°21'50	3♑ 4	8°46	8° 4	6°42	28° 9	12° 1	28°48	1°50	1°54	23°38	22°45	10°40	11°57	W17
T 18	16 9 45	3°19'12	17°57	10° 4	9°16	7°27	28° 9	12° 8	28°45	1°52	1°53	23°30	22°42	10°46	11°58	T 18
F 19	16 13 41	4°16'33	2♒25	11°24	10°29	8°12	28°D 9	12°16	28°43	1°54	1°52	23°24	22°39	10°53	11°59	F 19
S 20	16 17 38	5°13'54	16°25	12°47	11°41	8°56	28° 9	12°23	28°41	1°56	1°52	23°21	22°36	11° 0	12° 0	S 20
S 21	16 21 34	6°11'14	29°56	14°14	12°54	9°41	28° 9	12°30	28°39	1°59	1°51	23°20	22°33	11° 7	12° 1	S 21
M22	16 25 31	7° 8'33	13♓ 2	15°43	14° 7	10°25	28°10	12°38	28°37	2° 1	1°51	23°D20	22°30	11°13	12° 2	M22
T 23	16 29 28	8° 5'52	25°46	17°14	15°19	11° 9	28°10	12°45	28°35	2° 3	1°50	23°R20	22°26	11°20	12° 3	T 23
W24	16 33 24	9° 3'10	8♈12	18°49	16°32	11°54	28°11	12°52	28°32	2° 5	1°50	23°19	22°23	11°27	12° 4	W24
T 25	16 37 21	10° 0'28	20°25	20°26	17°45	12°38	28°12	13° 0	28°30	2° 8	1°50	23°16	22°20	11°33	12° 5	T 25
F 26	16 41 17	10°57'46	2♉28	22° 6	18°57	13°22	28°14	13° 7	28°28	2°10	1°49	23°11	22°17	11°40	12° 6	F 26
S 27	16 45 14	11°55'03	14°25	23°49	20°10	14° 6	28°15	13°14	28°26	2°12	1°49	23° 3	22°14	11°47	12° 6	S 27
S 28	16 49 10	12°52'19	26°18	25°35	21°23	14°50	28°17	13°21	28°23	2°14	1°49	22°52	22°11	11°54	12° 7	S 28
M29	16 53 7	13°49'35	8♊10	27°23	22°36	15°34	28°18	13°28	28°21	2°16	1°49	22°39	22° 7	12° 0	12° 8	M29
T 30	16 57 3	14°46'51	20° 2	29°14	23°49	16°18	28°20	13°35	28°19	2°19	1°48	22°26	22° 4	12° 7	12° 8	T 30
W31	17 1 0	15♊44'06	1♋55	1♊ 7	25♉ 1	17♈ 2	28♍23	13♉42	28♐16	2♊21	1♎48	22♍12	22♍ 1	12♊14	12♓ 9	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n59	15n35	4s35	7n 4	3s 6	5n47	1s43	3s27	1s28	1n59	1n33	12n53	2s 6	23s46	0s14	18n57	1s34	15n 9	17n29	1n59	2n33	16n57	2s48	4n50
T 2	17 16	17 18	4 57	7 6	3 12	6 15	1 42	3 9	1 28	2 0	1 33	12 55	2 6	23 46	0 14	18 58	1 34	15 9	17 29	2 3	2 34	16 58	2 47	4 50
W 3	17 32	18 16	5 5	7 10	3 17	6 43	1 42	2 52	1 28	2 1	1 32	12 57	2 6	23 46	0 14	18 58	1 34	15 9	17 29	2 7	2 35	16 59	2 46	4 51
T 4	17 47	18 27	5 0	7 16	3 22	7 10	1 42	2 34	1 28	2 1	1 32	13 0	2 6	23 46	0 14	18 59	1 34	15 9	17 28	2 10	2 37	16 59	2 45	4 51
F 5	18 3	17 48	4 43	7 25	3 25	7 37	1 41	2 16	1 28	2 2	1 32	13 2	2 6	23 46	0 14	18 59	1 34	15 9	17 28	2 13	2 38	17 0	2 44	4 51
S 6	18 18	16 21	4 12	7 36	3 28	8 5	1 40	1 58	1 28	2 3	1 32	13 5	2 6	23 46	0 14	19 0	1 34	15 9	17 27	2 15	2 39	17 1	2 43	4 51
S 7	18 33	14 9	3 30	7 48	3 30	8 32	1 40	1 40	1 28	2 4	1 32	13 7	2 6	23 46	0 14	19 0	1 34	15 9	17 27	2 16	2 41	17 2	2 42	4 52
M 8	18 47	11 14	2 36	8 3	3 31	8 58	1 39	1 22	1 28	2 4	1 31	13 9	2 6	23 46	0 14	19 1	1 34	15 9	17 26	2 16	2 42	17 2	2 42	4 52
T 9	19 1	7 43	1 34	8 20	3 31	9 25	1 38	1 4	1 28	2 5	1 31	13 12	2 6	23 46	0 14	19 1	1 34	15 9	17 26	2 16	2 43	17 3	2 41	4 52
W10	19 15	3 42	0 24	8 39	3 30	9 52	1 37	0 46	1 29	2 5	1 31	13 14	2 6	23 46	0 14	19 1	1 34	15 9	17 25	2 16	2 44	17 4	2 40	4 52
T 11	19 29	0s38	0n49	8 59	3 28	10 18	1 36	0 28	1 29	2 5	1 30	13 16	2 6	23 46	0 14	19 2	1 34	15 9	17 25	2 16	2 46	17 5	2 39	4 52
F 12	19 42	5 6	2 1	9 22	3 26	10 44	1 35	0 10	1 29	2 6	1 30	13 19	2 6	23 46	0 14	19 2	1 34	15 9	17 25	2 17	2 47	17 5	2 38	4 53
S 13	19 55	9 23	3 8	9 45	3 23	11 10	1 34	0n 8	1 29	2 6	1 30	13 21	2 6	23 46	0 14	19 3	1 34	15 9	17 24	2 19	2 48	17 6	2 38	4 53
S 14	20 7	13 11	4 3	10 10	3 19	11 35	1 33	0 26	1 29	2 6	1 30	13 23	2 6	23 46	0 14	19 3	1 34	15 9	17 24	2 21	2 49	17 7	2 37	4 53
M15	20 20	16 9	4 42	10 37	3 15	12 1	1 32	0 44	1 29	2 6	1 29	13 26	2 6	23 46	0 14	19 4	1 34	15 9	17 23	2 25	2 51	17 8	2 36	4 53
T 16	20 32	17 59	5 1	11 5	3 10	12 26	1 31	1 1	1 29	2 6	1 29	13 28	2 6	23 46	0 14	19 4	1 34	15 8	17 23	2 29	2 52	17 8	2 36	4 53
W17	20 43	18 31	4 59	11 34	3 5	12 51	1 29	1 19	1 29	2 6	1 29	13 30	2 6	23 46	0 14	19 5	1 34	15 8	17 22	2 32	2 53	17 9	2 35	4 54
T 18	20 54	17 46	4 36	12 4	2 58	13 15	1 28	1 37	1 29	2 6	1 29	13 32	2 6	23 46	0 14	19 5	1 34	15 8	17 22	2 35	2 54	17 10	2 34	4 54
F 19	21 5	15 52	3 56	12 36	2 52	13 39	1 27	1 54	1 29	2 5	1 28	13 35	2 6	23 46	0 14	19 6	1 34	15 8	17 21	2 38	2 56	17 11	2 34	4 54
S 20	21 16	13 5	3 3	13 8	2 44	14 3	1 25	2 12	1 28	2 5	1 28	13 37	2 6	23 46	0 14	19 6	1 34	15 8	17 21	2 39	2 57	17 11	2 33	4 54
S 21	21 26	9 39	2 1	13 41	2 36	14 27	1 24	2 30	1 28	2 5	1 28	13 39	2 6	23 46	0 15	19 6	1 34	15 7	17 20	2 39	2 58	17 12	2 32	4 55
M22	21 35	5 51	0 54	14 15	2 28	14 50	1 22	2 47	1 28	2 4	1 28	13 41	2 6	23 46	0 15	19 7	1 34	15 7	17 20	2 40	2 59	17 13	2 32	4 55
T 23	21 45	1 53	0s13	14 49	2 19	15 13	1 20	3 5	1 28	2 4	1 27	13 43	2 6	23 46	0 15	19 7	1 34	15 7	17 19	2 39	3 1	17 14	2 31	4 55
W24	21 54	2n 4	1 18	15 24	2 10	15 36	1 19	3 22	1 28	2 3	1 27	13 45	2 6	23 46	0 15	19 8	1 34	15 6	17 19	2 40	3 2	17 14	2 31	4 55
T 25	22 2	5 52	2 18	16 0	2 1	15 58	1 17	3 40	1 28	2 3	1 27	13 48	2 6	23 46	0 15	19 8	1 34	15 6	17 18	2 41	3 3	17 15	2 30	4 55
F 26	22 11	9 23	3 11	16 35	1 51	16 20	1 15	3 57	1 28	2 2	1 27	13 50	2 6	23 46	0 15	19 9	1 34	15 6	17 18	2 43	3 4	17 16	2 30	4 56
S 27	22 19	12 29	3 55	17 11	1 40	16 41	1 13	4 14	1 28	2 1	1 26	13 52	2 6	23 46	0 15	19 9	1 34	15 5	17 17	2 46	3 6	17 17	2 29	4 56
S 28	22 26	15 3	4 29	17 47	1 30	17 2	1 11	4 31	1 28	2 0	1 26	13 54	2 7	23 46	0 15	19 10	1 34	15 5	17 17	2 51	3 7	17 17	2 29	4 56
M29	22 33	16 59	4 50	18 23	1 19	17 23	1 9	4 48	1 28	1 59	1 26	13 56	2 7	23 46	0 15	19 10	1 34	15 5	17 16	2 56	3 8	17 18	2 28	4 56
T 30	22 40	18 11	5 0	18 58	1 8	17 43	1 7	5 6	1 27	1 58	1 25	13 58	2 7	23 46	0 15	19 10	1 34	15 4	17 16	3 1	3 10	17 19	2 28	4 57
W31	22n46	18n36	4s56	19n33	0s56	18n 2	1s 5	5n23	1s27	1n57	1n25	14n 0	2s 7	23s46	0s15	19n11	1s34	15n 4	17n15	3n 6	3n11	17n19	2s28	4n57

Julian Day Number = 2171896.5, Delta T = 12m14s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'48, Lahiri = 13°10'48 Julian Calendar 1 May 1234 == Greg. Calendar 8 May 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

JUNE 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 4 57	16♊41'21	13♋51	3♊ 3	26♉14	17♈46	28♍25	13♉49	28°R14	2♊23	1°R48	21°R59	21♍58	12♊21	12♓ 9	T 1
F 2	17 8 53	17°38'35	25°52	5° 1	27°27	18°30	28°27	13°56	28♐12	2°25	1♎48	21♍49	21°55	12°27	12°10	F 2
S 3	17 12 50	18°35'48	8♌ 0	7° 2	28°40	19°13	28°30	14° 3	28° 9	2°27	1°48	21°42	21°51	12°34	12°10	S 3
S 4	17 16 46	19°33'01	20°19	9° 4	29°53	19°57	28°33	14°10	28° 7	2°30	1°48	21°37	21°48	12°41	12°10	S 4
M 5	17 20 43	20°30'13	2♍50	11° 9	1♊ 6	20°40	28°36	14°17	28° 4	2°32	1°D48	21°35	21°45	12°47	12°10	M 5
T 6	17 24 39	21°27'24	15°39	13°15	2°19	21°24	28°39	14°24	28° 2	2°34	1°48	21°34	21°42	12°54	12°10	T 6
W 7	17 28 36	22°24'35	28°50	15°22	3°32	22° 7	28°42	14°30	28° 0	2°36	1°48	21°34	21°39	13° 1	12°11	W 7
T 8	17 32 32	23°21'46	12♎25	17°31	4°45	22°50	28°46	14°37	27°57	2°38	1°48	21°33	21°36	13° 8	12°R11	T 8
F 9	17 36 29	24°18'55	26°28	19°41	5°57	23°33	28°49	14°44	27°55	2°40	1°48	21°31	21°32	13°14	12°11	F 9
S 10	17 40 26	25°16'05	10♏58	21°51	7°10	24°17	28°53	14°50	27°52	2°42	1°48	21°26	21°29	13°21	12°10	S 10
S 11	17 44 22	26°13'14	25°51	24° 2	8°23	25° 0	28°57	14°57	27°50	2°44	1°48	21°19	21°26	13°28	12°10	S 11
M12	17 48 19	27°10'23	11♐ 2	26°13	9°36	25°43	29° 1	15° 3	27°47	2°47	1°49	21° 9	21°23	13°34	12°10	M12
T 13	17 52 15	28° 7'32	26°20	28°23	10°50	26°25	29° 6	15°10	27°45	2°49	1°49	20°59	21°20	13°41	12°10	T 13
W14	17 56 12	29° 4'40	11♑34	0♋34	12° 3	27° 8	29°10	15°16	27°43	2°51	1°49	20°48	21°17	13°48	12°10	W14
T 15	18 0 8	0♋ 1'49	26°33	2°43	13°16	27°51	29°15	15°22	27°40	2°53	1°49	20°39	21°13	13°55	12° 9	T 15
F 16	18 4 5	0°58'58	11♒ 9	4°52	14°29	28°34	29°19	15°29	27°38	2°55	1°50	20°33	21°10	14° 1	12° 9	F 16
S 17	18 8 1	1°56'07	25°17	6°59	15°42	29°16	29°24	15°35	27°35	2°57	1°50	20°28	21° 7	14° 8	12° 8	S 17
S 18	18 11 58	2°53'16	8♓55	9° 6	16°55	29°59	29°29	15°41	27°33	2°59	1°51	20°26	21° 4	14°15	12° 8	S 18
M19	18 15 55	3°50'25	22° 5	11°10	18° 8	0♉41	29°35	15°47	27°30	3° 1	1°51	20°D26	21° 1	14°22	12° 7	M19
T 20	18 19 51	4°47'35	4♈50	13°14	19°22	1°23	29°40	15°53	27°28	3° 3	1°52	20°R26	20°57	14°28	12° 7	T 20
W21	18 23 48	5°44'46	17°16	15°16	20°35	2° 6	29°45	15°59	27°26	3° 5	1°52	20°26	20°54	14°35	12° 6	W21
T 22	18 27 44	6°41'57	29°26	17°16	21°48	2°48	29°51	16° 5	27°23	3° 7	1°53	20°24	20°51	14°42	12° 5	T 22
F 23	18 31 41	7°39'08	11♉26	19°14	23° 1	3°30	29°57	16°11	27°21	3° 9	1°53	20°19	20°48	14°48	12° 4	F 23
S 24	18 35 37	8°36'20	23°20	21°10	24°15	4°12	0♎ 3	16°17	27°19	3°10	1°54	20°12	20°45	14°55	12° 4	S 24
S 25	18 39 34	9°33'33	5♊11	23° 5	25°28	4°54	0° 9	16°22	27°16	3°12	1°55	20° 3	20°42	15° 2	12° 3	S 25
M26	18 43 30	10°30'46	17° 3	24°58	26°41	5°35	0°15	16°28	27°14	3°14	1°55	19°51	20°38	15° 9	12° 2	M26
T 27	18 47 27	11°27'59	28°56	26°49	27°55	6°17	0°21	16°34	27°11	3°16	1°56	19°39	20°35	15°15	12° 1	T 27
W28	18 51 24	12°25'13	10♋55	28°38	29° 8	6°59	0°28	16°39	27° 9	3°18	1°57	19°26	20°32	15°22	12° 0	W28
T 29	18 55 20	13°22'28	22°58	0♌25	0♋22	7°40	0°35	16°45	27° 7	3°20	1°57	19°15	20°29	15°29	11°59	T 29
F 30	18 59 17	14♋19'42	5♌ 8	2♌11	1♋35	8♉21	0♎41	16♉50	27♐ 5	3♊22	1♎58	19♍ 6	20♍26	15♊36	11♓58	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n52	18n11	4s39	20n 7	0s45	18n22	1s 3	5n39	1s27	1n56	1n25	14n 2	2s 7	23s46	0s15	19n11	1s34	15n 3	17n15	3n11	3n12	17n20	2s27	4n57
F 2	22 58	16 58	4 9	20 40	0 34	18 41	1 1	5 56	1 27	1 55	1 25	14 4	2 7	23 46	0 15	19 12	1 34	15 3	17 14	3 15	3 13	17 21	2 27	4 57
S 3	23 3	14 59	3 28	21 12	0 22	18 59	0 59	6 13	1 27	1 53	1 24	14 6	2 7	23 46	0 15	19 12	1 34	15 2	17 13	3 18	3 15	17 21	2 27	4 58
S 4	23 7	12 17	2 37	21 43	0 11	19 17	0 57	6 30	1 26	1 52	1 24	14 8	2 7	23 46	0 15	19 12	1 34	15 2	17 13	3 20	3 16	17 22	2 26	4 58
M 5	23 12	9 0	1 37	22 12	0n 0	19 34	0 55	6 46	1 26	1 51	1 24	14 10	2 7	23 46	0 15	19 13	1 34	15 2	17 12	3 21	3 17	17 23	2 26	4 58
T 6	23 16	5 12	0 31	22 40	0 11	19 51	0 53	7 3	1 26	1 49	1 24	14 12	2 7	23 46	0 15	19 13	1 34	15 1	17 12	3 21	3 18	17 24	2 26	4 58
W 7	23 19	1 3	0n38	23 5	0 22	20 7	0 50	7 19	1 26	1 48	1 23	14 14	2 7	23 46	0 15	19 14	1 34	15 1	17 11	3 21	3 20	17 24	2 25	4 58
T 8	23 22	3s16	1 48	23 29	0 32	20 23	0 48	7 36	1 26	1 46	1 23	14 16	2 7	23 46	0 15	19 14	1 34	15 0	17 11	3 22	3 21	17 25	2 25	4 59
F 9	23 25	7 34	2 53	23 49	0 42	20 38	0 46	7 52	1 25	1 44	1 23	14 17	2 8	23 46	0 15	19 14	1 34	14 59	17 10	3 23	3 22	17 26	2 25	4 59
S 10	23 27	11 32	3 49	24 8	0 51	20 53	0 43	8 8	1 25	1 42	1 23	14 19	2 8	23 46	0 15	19 15	1 34	14 59	17 10	3 25	3 23	17 26	2 25	4 59
S 11	23 29	14 54	4 32	24 24	1 0	21 7	0 41	8 24	1 25	1 41	1 22	14 21	2 8	23 46	0 15	19 15	1 34	14 58	17 9	3 28	3 25	17 27	2 25	4 59
M12	23 30	17 18	4 56	24 37	1 8	21 21	0 39	8 40	1 24	1 39	1 22	14 23	2 8	23 46	0 15	19 16	1 34	14 58	17 9	3 31	3 26	17 28	2 25	5 0
T 13	23 31	18 30	4 59	24 47	1 16	21 34	0 36	8 56	1 24	1 37	1 22	14 25	2 8	23 46	0 15	19 16	1 34	14 57	17 8	3 35	3 27	17 28	2 24	5 0
W14	23 32	18 21	4 41	24 55	1 22	21 46	0 34	9 11	1 24	1 35	1 22	14 26	2 8	23 46	0 15	19 16	1 34	14 57	17 7	3 40	3 28	17 29	2 24	5 0
T 15	23 32	16 56	4 4	24 59	1 29	21 58	0 32	9 27	1 24	1 33	1 21	14 28	2 8	23 46	0 15	19 17	1 34	14 56	17 7	3 43	3 30	17 30	2 24	5 0
F 16	23 32	14 25	3 12	25 1	1 34	22 9	0 29	9 43	1 23	1 31	1 21	14 30	2 8	23 46	0 15	19 17	1 34	14 55	17 6	3 46	3 31	17 30	2 24	5 0
S 17	23 31	11 7	2 9	25 0	1 39	22 19	0 27	9 58	1 23	1 28	1 21	14 31	2 8	23 46	0 15	19 18	1 34	14 55	17 6	3 47	3 32	17 31	2 24	5 1
S 18	23 30	7 19	1 1	24 56	1 43	22 29	0 24	10 13	1 23	1 26	1 21	14 33	2 8	23 46	0 15	19 18	1 34	14 54	17 5	3 48	3 33	17 32	2 24	5 1
M19	23 29	3 17	0s 9	24 50	1 46	22 39	0 22	10 28	1 22	1 24	1 20	14 35	2 9	23 46	0 15	19 18	1 34	14 53	17 5	3 48	3 35	17 32	2 24	5 1
T 20	23 27	0n46	1 16	24 41	1 49	22 47	0 19	10 44	1 22	1 21	1 20	14 36	2 9	23 46	0 15	19 19	1 34	14 53	17 4	3 48	3 36	17 33	2 24	5 1
W21	23 25	4 42	2 17	24 29	1 50	22 55	0 17	10 58	1 21	1 19	1 20	14 38	2 9	23 45	0 15	19 19	1 34	14 52	17 4	3 48	3 37	17 34	2 24	5 2
T 22	23 22	8 20	3 11	24 16	1 52	23 3	0 14	11 13	1 21	1 17	1 20	14 40	2 9	23 45	0 15	19 19	1 34	14 51	17 3	3 49	3 38	17 34	2 24	5 2
F 23	23 19	11 35	3 56	24 0	1 52	23 9	0 12	11 28	1 21	1 14	1 19	14 41	2 9	23 45	0 15	19 20	1 34	14 50	17 3	3 51	3 40	17 35	2 24	5 2
S 24	23 15	14 20	4 30	23 42	1 52	23 15	0 9	11 43	1 20	1 11	1 19	14 43	2 9	23 45	0 15	19 20	1 34	14 50	17 2	3 54	3 41	17 36	2 25	5 2
S 25	23 11	16 28	4 52	23 22	1 51	23 21	0 7	11 57	1 20	1 9	1 19	14 44	2 9	23 45	0 15	19 20	1 34	14 49	17 1	3 58	3 42	17 36	2 25	5 2
M26	23 7	17 54	5 1	23 1	1 49	23 25	0 4	12 11	1 19	1 6	1 19	14 46	2 10	23 45	0 15	19 21	1 34	14 48	17 1	4 2	3 43	17 37	2 25	5 3
T 27	23 2	18 34	4 58	22 38	1 47	23 29	0 2	12 26	1 19	1 3	1 18	14 47	2 10	23 45	0 15	19 21	1 34	14 47	17 0	4 7	3 45	17 37	2 25	5 3
W28	22 57	18 25	4 41	22 13	1 44	23 33	0n 1	12 40	1 19	1 1	1 18	14 48	2 10	23 45	0 15	19 21	1 34	14 47	17 0	4 12	3 46	17 38	2 25	5 3
T 29	22 52	17 26	4 12	21 47	1 41	23 35	0 3	12 54	1 18	0 58	1 18	14 50	2 10	23 45	0 15	19 22	1 34	14 46	16 59	4 16	3 47	17 39	2 25	5 3
F 30	22n46	15n39	3s31	21n20	1n37	23n37	0n 6	13n 7	1s18	0n55	1n18	14n51	2s10	23s45	0s15	19n22	1s34	14n45	16n59	4n20	3n48	17n39	2s26	5n 3

Julian Day Number = 2171927.5, Delta T = 12m14s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'52, Lahiri = 13°10'52 Julian Calendar 1 June 1234 == Greg. Calendar 8 June 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

JULY 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 13	15♋16'57	17♌26	3♌54	2♋49	9♉ 3	0♎48	16♉55	27°R 2	3♊23	1♎59	18°R59	20♍23	15♊42	11°R56	S 1
S 2	19 7 10	16°14'13	29°54	5°36	4° 2	9°44	0°55	17° 1	27♐ 0	3°25	2° 0	18♍55	20°19	15°49	11♓55	S 2
M 3	19 11 6	17°11'29	12♍34	7°16	5°16	10°25	1° 3	17° 6	26°58	3°27	2° 1	18°54	20°16	15°56	11°54	M 3
T 4	19 15 3	18° 8'45	25°29	8°54	6°29	11° 6	1°10	17°11	26°56	3°29	2° 2	18°D54	20°13	16° 2	11°52	T 4
W 5	19 18 59	19° 6'01	8♎41	10°30	7°43	11°47	1°17	17°16	26°53	3°30	2° 3	18°54	20°10	16° 9	11°51	W 5
T 6	19 22 56	20° 3'18	22°14	12° 5	8°56	12°27	1°25	17°21	26°51	3°32	2° 4	18°R54	20° 7	16°16	11°50	T 6
F 7	19 26 53	21° 0'36	6♏ 8	13°37	10°10	13° 8	1°33	17°26	26°49	3°34	2° 5	18°53	20° 3	16°23	11°48	F 7
S 8	19 30 49	21°57'53	20°26	15° 8	11°24	13°48	1°40	17°30	26°47	3°35	2° 6	18°50	20° 0	16°29	11°47	S 8
S 9	19 34 46	22°55'12	5♐ 3	16°36	12°37	14°29	1°48	17°35	26°45	3°37	2° 7	18°45	19°57	16°36	11°45	S 9
M10	19 38 42	23°52'31	19°57	18° 3	13°51	15° 9	1°56	17°40	26°43	3°38	2° 8	18°39	19°54	16°43	11°43	M10
T 11	19 42 39	24°49'50	4♑59	19°28	15° 5	15°49	2° 4	17°44	26°41	3°40	2° 9	18°31	19°51	16°49	11°42	T 11
W12	19 46 35	25°47'10	20° 0	20°51	16°18	16°29	2°13	17°49	26°39	3°42	2°11	18°23	19°48	16°56	11°40	W12
T 13	19 50 32	26°44'31	4♒51	22°12	17°32	17° 9	2°21	17°53	26°37	3°43	2°12	18°16	19°44	17° 3	11°38	T 13
F 14	19 54 28	27°41'53	19°24	23°31	18°46	17°49	2°30	17°57	26°35	3°45	2°13	18°11	19°41	17°10	11°36	F 14
S 15	19 58 25	28°39'16	3♓32	24°48	20° 0	18°29	2°38	18° 2	26°33	3°46	2°14	18° 8	19°38	17°16	11°35	S 15
S 16	20 2 22	29°36'40	17°13	26° 3	21°13	19° 8	2°47	18° 6	26°31	3°47	2°16	18°D 7	19°35	17°23	11°33	S 16
M17	20 6 18	0♌34'05	0♈27	27°15	22°27	19°48	2°56	18°10	26°29	3°49	2°17	18° 8	19°32	17°30	11°31	M17
T 18	20 10 15	1°31'32	13°17	28°26	23°41	20°27	3° 5	18°14	26°27	3°50	2°18	18° 9	19°28	17°37	11°29	T 18
W19	20 14 11	2°29'00	25°45	29°34	24°55	21° 6	3°14	18°18	26°25	3°52	2°20	18°10	19°25	17°43	11°27	W19
T 20	20 18 8	3°26'29	7♉58	0♍39	26° 9	21°45	3°23	18°21	26°24	3°53	2°21	18°R10	19°22	17°50	11°25	T 20
F 21	20 22 4	4°23'59	19°59	1°43	27°23	22°24	3°32	18°25	26°22	3°54	2°23	18° 9	19°19	17°57	11°23	F 21
S 22	20 26 1	5°21'31	1♊53	2°43	28°37	23° 3	3°42	18°29	26°20	3°56	2°24	18° 5	19°16	18° 3	11°21	S 22
S 23	20 29 57	6°19'05	13°44	3°41	29°51	23°42	3°51	18°32	26°18	3°57	2°26	18° 1	19°13	18°10	11°18	S 23
M24	20 33 54	7°16'40	25°38	4°36	1♌ 5	24°20	4° 1	18°36	26°17	3°58	2°27	17°54	19° 9	18°17	11°16	M24
T 25	20 37 51	8°14'16	7♋35	5°28	2°19	24°59	4°10	18°39	26°15	3°59	2°29	17°47	19° 6	18°24	11°14	T 25
W26	20 41 47	9°11'53	19°40	6°16	3°33	25°37	4°20	18°42	26°14	4° 0	2°30	17°40	19° 3	18°30	11°12	W26
T 27	20 45 44	10° 9'32	1♌53	7° 2	4°47	26°15	4°30	18°45	26°12	4° 2	2°32	17°34	19° 0	18°37	11° 9	T 27
F 28	20 49 40	11° 7'13	14°16	7°44	6° 1	26°53	4°40	18°48	26°11	4° 3	2°33	17°28	18°57	18°44	11° 7	F 28
S 29	20 53 37	12° 4'54	26°49	8°22	7°16	27°31	4°50	18°51	26° 9	4° 4	2°35	17°25	18°54	18°51	11° 5	S 29
S 30	20 57 33	13° 2'37	9♍34	8°56	8°30	28° 9	5° 0	18°54	26° 8	4° 5	2°37	17°23	18°50	18°57	11° 2	S 30
M31	21 1 30	14♌ 0'21	22♍31	9♍26	9♌44	28♉46	5♎10	18♉57	26♐ 6	4♊ 6	2♎38	17°D23	18♍47	19♊ 4	11♓ 0	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n39	13n 8	2s39	20n52	1n33	23n38	0n 8	13n21	1s17	0n52	1n18	14n53	2s10	23s45	0s15	19n22	1s34	14n44	16n58	4n22	3n50	17n40	2s26	5n 4
S 2	22 33	10 0	1 39	20 22	1 28	23 39	0 10	13 35	1 17	0 49	1 17	14 54	2 10	23 45	0 15	19 23	1 35	14 43	16 58	4 24	3 51	17 41	2 26	5 4
M 3	22 26	6 21	0 34	19 52	1 23	23 39	0 13	13 48	1 16	0 46	1 17	14 55	2 11	23 45	0 15	19 23	1 35	14 43	16 57	4 25	3 52	17 41	2 27	5 4
T 4	22 18	2 20	0n35	19 21	1 17	23 38	0 15	14 1	1 16	0 43	1 17	14 57	2 11	23 45	0 15	19 23	1 35	14 42	16 57	4 25	3 53	17 42	2 27	5 4
W 5	22 10	1s52	1 44	18 49	1 11	23 36	0 18	14 14	1 15	0 39	1 17	14 58	2 11	23 45	0 15	19 23	1 35	14 41	16 56	4 24	3 55	17 42	2 27	5 4
T 6	22 2	6 5	2 48	18 16	1 4	23 34	0 20	14 27	1 14	0 36	1 16	14 59	2 11	23 45	0 15	19 24	1 35	14 40	16 56	4 24	3 56	17 43	2 28	5 5
F 7	21 53	10 5	3 45	17 43	0 57	23 31	0 22	14 40	1 14	0 33	1 16	15 0	2 11	23 45	0 15	19 24	1 35	14 39	16 55	4 25	3 57	17 44	2 28	5 5
S 8	21 44	13 36	4 29	17 9	0 50	23 27	0 25	14 53	1 13	0 30	1 16	15 1	2 11	23 45	0 15	19 24	1 35	14 38	16 55	4 26	3 58	17 44	2 29	5 5
S 9	21 35	16 21	4 57	16 35	0 42	23 23	0 27	15 5	1 13	0 26	1 16	15 3	2 12	23 45	0 15	19 25	1 35	14 37	16 54	4 28	4 0	17 45	2 29	5 5
M10	21 25	18 5	5 6	16 1	0 34	23 18	0 29	15 18	1 12	0 23	1 16	15 4	2 12	23 45	0 15	19 25	1 35	14 36	16 54	4 31	4 1	17 45	2 29	5 5
T 11	21 15	18 33	4 53	15 26	0 25	23 12	0 31	15 30	1 12	0 19	1 15	15 5	2 12	23 45	0 15	19 25	1 35	14 36	16 53	4 34	4 2	17 46	2 30	5 5
W12	21 4	17 44	4 21	14 52	0 17	23 6	0 34	15 42	1 11	0 16	1 15	15 6	2 12	23 45	0 15	19 25	1 35	14 35	16 53	4 37	4 3	17 47	2 30	5 6
T 13	20 54	15 43	3 31	14 17	0 7	22 58	0 36	15 54	1 10	0 12	1 15	15 7	2 12	23 44	0 15	19 26	1 35	14 34	16 52	4 39	4 5	17 47	2 31	5 6
F 14	20 42	12 43	2 28	13 42	0s 2	22 51	0 38	16 6	1 10	0 9	1 15	15 8	2 12	23 44	0 15	19 26	1 35	14 33	16 52	4 41	4 6	17 48	2 31	5 6
S 15	20 31	9 3	1 18	13 8	0 11	22 42	0 40	16 17	1 9	0 5	1 15	15 9	2 13	23 44	0 15	19 26	1 35	14 32	16 51	4 43	4 7	17 48	2 32	5 6
S 16	20 19	5 0	0 5	12 33	0 21	22 33	0 42	16 29	1 9	0 2	1 14	15 10	2 13	23 44	0 15	19 26	1 35	14 31	16 51	4 43	4 8	17 49	2 33	5 6
M17	20 7	0 50	1s 6	11 59	0 31	22 23	0 44	16 40	1 8	0s 2	1 14	15 11	2 13	23 44	0 15	19 27	1 35	14 30	16 50	4 43	4 10	17 50	2 33	5 6
T 18	19 54	3n15	2 12	11 25	0 42	22 13	0 46	16 51	1 7	0 6	1 14	15 12	2 13	23 44	0 15	19 27	1 35	14 29	16 50	4 42	4 11	17 50	2 34	5 6
W19	19 41	7 3	3 9	10 51	0 52	22 1	0 48	17 2	1 6	0 10	1 14	15 13	2 13	23 44	0 15	19 27	1 35	14 28	16 49	4 42	4 12	17 51	2 34	5 7
T 20	19 28	10 29	3 57	10 18	1 3	21 50	0 50	17 13	1 6	0 13	1 14	15 13	2 13	23 44	0 15	19 27	1 35	14 27	16 49	4 42	4 13	17 51	2 35	5 7
F 21	19 14	13 25	4 33	9 46	1 14	21 37	0 52	17 24	1 5	0 17	1 13	15 14	2 14	23 44	0 15	19 27	1 35	14 26	16 49	4 42	4 15	17 52	2 36	5 7
S 22	19 0	15 46	4 57	9 14	1 24	21 24	0 54	17 34	1 4	0 21	1 13	15 15	2 14	23 44	0 15	19 28	1 35	14 25	16 48	4 44	4 16	17 52	2 36	5 7
S 23	18 46	17 26	5 8	8 43	1 35	21 10	0 56	17 45	1 4	0 25	1 13	15 16	2 14	23 44	0 15	19 28	1 35	14 24	16 48	4 46	4 17	17 53	2 37	5 7
M24	18 32	18 22	5 6	8 13	1 47	20 56	0 57	17 55	1 3	0 29	1 13	15 17	2 14	23 44	0 15	19 28	1 35	14 23	16 47	4 48	4 18	17 53	2 38	5 7
T 25	18 17	18 28	4 51	7 43	1 58	20 41	0 59	18 5	1 2	0 33	1 13	15 17	2 14	23 44	0 15	19 28	1 35	14 22	16 47	4 51	4 20	17 54	2 39	5 7
W26	18 2	17 45	4 23	7 15	2 9	20 25	1 1	18 15	1 1	0 37	1 13	15 18	2 15	23 44	0 15	19 28	1 35	14 21	16 46	4 54	4 21	17 55	2 39	5 7
T 27	17 46	16 13	3 42	6 48	2 20	20 9	1 2	18 25	1 1	0 41	1 12	15 19	2 15	23 44	0 15	19 29	1 35	14 20	16 46	4 56	4 22	17 55	2 40	5 8
F 28	17 30	13 54	2 50	6 22	2 31	19 53	1 4	18 34	1 0	0 45	1 12	15 19	2 15	23 44	0 15	19 29	1 35	14 19	16 46	4 58	4 23	17 56	2 41	5 8
S 29	17 14	10 54	1 50	5 58	2 42	19 35	1 6	18 44	0 59	0 49	1 12	15 20	2 15	23 44	0 15	19 29	1 36	14 18	16 45	5 0	4 25	17 56	2 42	5 8
S 30	16 58	7 21	0 43	5 35	2 53	19 17	1 7	18 53	0 58	0 54	1 12	15 21	2 15	23 44	0 15	19 29	1 36	14 17	16 45	5 0	4 26	17 57	2 43	5 8
M31	16n42	3n25	0n28	5n13	3s 4	18n59	1n 8	19n 2	0s57	0s58	1n12	15n21	2s16	23s44	0s15	19n29	1s36	14n16	16n44	5n 0	4n27	17n57	2s43	5n 8

Julian Day Number = 2171957.5, Delta T = 12m14s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°03'56, Lahiri = 13°10'56 Julian Calendar 1 July 1234 == Greg. Calendar 8 July 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

AUGUST 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 26	14♌58'06	5♎41	9♍52	10♌58	29♉24	5♎20	18♉59	26°R 5	4♊ 7	2♎40	17♍24	18♍44	19♊11	10°R57	T 1
W 2	21 9 23	15°55'52	19° 5	10°13	12°12	0♊ 1	5°31	19° 2	26♐ 4	4° 8	2°42	17°25	18°41	19°17	10♓55	W 2
T 3	21 13 20	16°53'40	2♏44	10°29	13°27	0°38	5°41	19° 4	26° 2	4° 9	2°44	17°27	18°38	19°24	10°52	T 3
F 4	21 17 16	17°51'29	16°38	10°40	14°41	1°15	5°52	19° 7	26° 1	4°10	2°45	17°R27	18°34	19°31	10°50	F 4
S 5	21 21 13	18°49'19	0♐47	10°46	15°55	1°51	6° 2	19° 9	26° 0	4°11	2°47	17°27	18°31	19°38	10°47	S 5
S 6	21 25 9	19°47'10	15° 9	10°R46	17°10	2°28	6°13	19°11	25°59	4°11	2°49	17°25	18°28	19°44	10°45	S 6
M 7	21 29 6	20°45'03	29°41	10°40	18°24	3° 4	6°24	19°13	25°58	4°12	2°51	17°22	18°25	19°51	10°42	M 7
T 8	21 33 2	21°42'57	14♑18	10°29	19°38	3°41	6°35	19°15	25°57	4°13	2°53	17°19	18°22	19°58	10°39	T 8
W 9	21 36 59	22°40'52	28°55	10°11	20°53	4°17	6°46	19°17	25°56	4°14	2°55	17°15	18°19	20° 4	10°37	W 9
T 10	21 40 55	23°38'49	13♒24	9°47	22° 7	4°52	6°57	19°19	25°55	4°14	2°57	17°13	18°15	20°11	10°34	T 10
F 11	21 44 52	24°36'47	27°40	9°18	23°21	5°28	7° 8	19°20	25°54	4°15	2°59	17°10	18°12	20°18	10°31	F 11
S 12	21 48 49	25°34'47	11♓37	8°42	24°36	6° 4	7°19	19°22	25°53	4°16	3° 1	17°D 9	18° 9	20°25	10°29	S 12
S 13	21 52 45	26°32'48	25°12	8° 2	25°50	6°39	7°30	19°23	25°52	4°16	3° 3	17°10	18° 6	20°31	10°26	S 13
M14	21 56 42	27°30'52	8♈25	7°16	27° 5	7°14	7°41	19°24	25°52	4°17	3° 5	17°10	18° 3	20°38	10°23	M14
T 15	22 0 38	28°28'57	21°16	6°25	28°19	7°49	7°53	19°26	25°51	4°18	3° 7	17°12	18° 0	20°45	10°21	T 15
W16	22 4 35	29°27'05	3♉47	5°31	29°34	8°24	8° 4	19°27	25°50	4°18	3° 9	17°13	17°56	20°52	10°18	W16
T 17	22 8 31	0♍25'14	16° 2	4°34	0♍48	8°58	8°16	19°28	25°50	4°19	3°11	17°14	17°53	20°58	10°15	T 17
F 18	22 12 28	1°23'25	28° 5	3°36	2° 3	9°33	8°27	19°29	25°49	4°19	3°13	17°R15	17°50	21° 5	10°12	F 18
S 19	22 16 24	2°21'39	10♊ 0	2°37	3°17	10° 7	8°39	19°29	25°49	4°19	3°15	17°15	17°47	21°12	10° 9	S 19
S 20	22 20 21	3°19'54	21°53	1°39	4°32	10°41	8°51	19°30	25°48	4°20	3°17	17°14	17°44	21°18	10° 7	S 20
M21	22 24 18	4°18'12	3♋48	0°43	5°46	11°15	9° 2	19°31	25°48	4°20	3°19	17°13	17°40	21°25	10° 4	M21
T 22	22 28 14	5°16'32	15°48	29♌51	7° 1	11°48	9°14	19°31	25°47	4°21	3°21	17°11	17°37	21°32	10° 1	T 22
W23	22 32 11	6°14'53	27°58	29° 3	8°16	12°22	9°26	19°31	25°47	4°21	3°23	17° 9	17°34	21°39	9°58	W23
T 24	22 36 7	7°13'17	10♌20	28°21	9°30	12°55	9°38	19°31	25°47	4°21	3°25	17° 8	17°31	21°45	9°55	T 24
F 25	22 40 4	8°11'43	22°55	27°46	10°45	13°28	9°50	19°R32	25°47	4°21	3°28	17° 7	17°28	21°52	9°52	F 25
S 26	22 44 0	9°10'10	5♍46	27°20	12° 0	14° 0	10° 2	19°32	25°46	4°21	3°30	17° 6	17°25	21°59	9°50	S 26
S 27	22 47 57	10° 8'40	18°52	27° 1	13°14	14°33	10°14	19°31	25°46	4°22	3°32	17°D 6	17°21	22° 6	9°47	S 27
M28	22 51 53	11° 7'12	2♎13	26°D52	14°29	15° 5	10°26	19°31	25°46	4°22	3°34	17° 6	17°18	22°12	9°44	M28
T 29	22 55 50	12° 5'45	15°47	26°52	15°44	15°37	10°38	19°31	25°D46	4°22	3°36	17° 7	17°15	22°19	9°41	T 29
W30	22 59 46	13° 4'20	29°33	27° 1	16°58	16° 8	10°50	19°30	25°46	4°22	3°39	17° 7	17°12	22°26	9°38	W30
T 31	23 3 43	14♍ 2'57	13♏30	27♌21	18♍13	16♊40	11♎ 3	19♉30	25♐46	4°R22	3♎41	17♍ 8	17♍ 9	22♊32	9♓35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n25	0s46	1n38	4n54	3s15	18n40	1n10	19n11	0s57	1s 2	1n12	15n22	2s16	23s44	0s15	19n29	1s36	14n15	16n44	5n 0	4n28	17n58	2s44	5n 8
W 2	16 8	4 58	2 45	4 37	3 25	18 21	1 11	19 20	0 56	1 6	1 11	15 22	2 16	23 44	0 15	19 29	1 36	14 14	16 44	4 59	4 30	17 58	2 45	5 8
T 3	15 50	8 59	3 43	4 21	3 35	18 1	1 12	19 28	0 55	1 11	1 11	15 23	2 16	23 44	0 15	19 30	1 36	14 13	16 43	4 59	4 31	17 59	2 46	5 8
F 4	15 32	12 34	4 29	4 9	3 44	17 40	1 14	19 37	0 54	1 15	1 11	15 23	2 16	23 44	0 15	19 30	1 36	14 12	16 43	4 59	4 32	17 59	2 47	5 8
S 5	15 15	15 30	5 0	3 58	3 53	17 19	1 15	19 45	0 53	1 19	1 11	15 23	2 17	23 43	0 15	19 30	1 36	14 11	16 42	4 59	4 33	18 0	2 48	5 8
S 6	14 56	17 31	5 13	3 51	4 1	16 57	1 16	19 53	0 52	1 24	1 11	15 24	2 17	23 43	0 15	19 30	1 36	14 10	16 42	4 59	4 35	18 0	2 49	5 8
M 7	14 38	18 26	5 6	3 46	4 8	16 36	1 17	20 1	0 51	1 28	1 11	15 24	2 17	23 43	0 15	19 30	1 36	14 9	16 42	5 0	4 36	18 1	2 50	5 8
T 8	14 19	18 8	4 40	3 44	4 15	16 13	1 18	20 9	0 50	1 33	1 11	15 24	2 17	23 43	0 15	19 30	1 36	14 8	16 41	5 2	4 37	18 2	2 51	5 8
W 9	14 1	16 38	3 55	3 46	4 20	15 50	1 19	20 16	0 50	1 37	1 10	15 25	2 17	23 43	0 15	19 30	1 36	14 7	16 41	5 3	4 38	18 2	2 52	5 8
T 10	13 42	14 4	2 55	3 51	4 24	15 27	1 20	20 24	0 49	1 42	1 10	15 25	2 18	23 43	0 15	19 30	1 36	14 6	16 41	5 4	4 40	18 3	2 53	5 8
F 11	13 22	10 41	1 45	3 59	4 27	15 3	1 20	20 31	0 48	1 46	1 10	15 25	2 18	23 43	0 15	19 30	1 36	14 5	16 40	5 5	4 41	18 3	2 53	5 8
S 12	13 3	6 46	0 31	4 11	4 29	14 39	1 21	20 38	0 47	1 51	1 10	15 25	2 18	23 43	0 15	19 30	1 36	14 3	16 40	5 6	4 42	18 4	2 54	5 9
S 13	12 43	2 35	0s44	4 26	4 29	14 14	1 22	20 45	0 46	1 55	1 10	15 26	2 18	23 43	0 15	19 31	1 36	14 2	16 40	5 5	4 43	18 4	2 55	5 9
M14	12 23	1n36	1 55	4 45	4 27	13 49	1 22	20 52	0 45	2 0	1 10	15 26	2 19	23 43	0 15	19 31	1 36	14 1	16 40	5 5	4 45	18 5	2 56	5 9
T 15	12 3	5 35	2 57	5 7	4 23	13 24	1 23	20 59	0 44	2 4	1 10	15 26	2 19	23 43	0 15	19 31	1 36	14 0	16 39	5 5	4 46	18 5	2 58	5 9
W16	11 43	9 14	3 50	5 32	4 17	12 58	1 23	21 6	0 43	2 9	1 9	15 26	2 19	23 43	0 15	19 31	1 36	13 59	16 39	5 4	4 47	18 6	2 59	5 9
T 17	11 22	12 23	4 30	6 0	4 10	12 32	1 24	21 12	0 42	2 14	1 9	15 26	2 19	23 43	0 15	19 31	1 36	13 58	16 39	5 4	4 48	18 6	3 0	5 9
F 18	11 1	14 58	4 59	6 30	4 0	12 6	1 24	21 18	0 41	2 18	1 9	15 26	2 19	23 43	0 15	19 31	1 36	13 57	16 38	5 3	4 50	18 7	3 1	5 9
S 19	10 41	16 52	5 13	7 1	3 49	11 39	1 24	21 24	0 40	2 23	1 9	15 26	2 20	23 43	0 15	19 31	1 37	13 56	16 38	5 3	4 51	18 7	3 2	5 9
S 20	10 19	18 3	5 15	7 34	3 35	11 12	1 24	21 30	0 38	2 28	1 9	15 26	2 20	23 43	0 15	19 31	1 37	13 55	16 38	5 4	4 52	18 8	3 3	5 9
M21	9 58	18 26	5 3	8 8	3 21	10 45	1 25	21 36	0 37	2 33	1 9	15 26	2 20	23 43	0 15	19 31	1 37	13 54	16 38	5 4	4 53	18 8	3 4	5 8
T 22	9 37	18 0	4 38	8 42	3 4	10 17	1 25	21 42	0 36	2 37	1 9	15 26	2 20	23 43	0 15	19 31	1 37	13 53	16 37	5 5	4 55	18 8	3 5	5 8
W23	9 15	16 44	4 0	9 15	2 47	9 49	1 25	21 47	0 35	2 42	1 9	15 26	2 20	23 43	0 15	19 31	1 37	13 52	16 37	5 6	4 56	18 9	3 6	5 8
T 24	8 54	14 41	3 10	9 46	2 29	9 21	1 25	21 53	0 34	2 47	1 8	15 26	2 21	23 43	0 15	19 31	1 37	13 51	16 37	5 6	4 57	18 9	3 7	5 8
F 25	8 32	11 53	2 10	10 16	2 9	8 52	1 25	21 58	0 33	2 52	1 8	15 25	2 21	23 43	0 15	19 31	1 37	13 50	16 37	5 7	4 58	18 10	3 8	5 8
S 26	8 10	8 28	1 2	10 44	1 50	8 23	1 24	22 3	0 32	2 57	1 8	15 25	2 21	23 43	0 15	19 31	1 37	13 49	16 37	5 7	5 0	18 10	3 9	5 8
S 27	7 48	4 34	0n10	11 8	1 31	7 54	1 24	22 8	0 31	3 1	1 8	15 25	2 21	23 43	0 15	19 31	1 37	13 48	16 36	5 7	5 1	18 11	3 10	5 8
M28	7 25	0 23	1 23	11 30	1 11	7 25	1 24	22 13	0 29	3 6	1 8	15 25	2 21	23 43	0 15	19 31	1 37	13 47	16 36	5 7	5 2	18 11	3 12	5 8
T 29	7 3	3s54	2 32	11 47	0 52	6 56	1 24	22 17	0 28	3 11	1 8	15 25	2 22	23 43	0 15	19 31	1 37	13 46	16 36	5 7	5 3	18 12	3 13	5 8
W30	6 41	8 1	3 34	12 1	0 34	6 26	1 23	22 22	0 27	3 16	1 8	15 24	2 22	23 43	0 15	19 31	1 37	13 44	16 36	5 6	5 5	18 12	3 14	5 8
T 31	6n18	11s45	4n24	12n11	0s16	5n57	1n23	22n26	0s26	3s21	1n 8	15n24	2s22	23s43	0s15	19n31	1s37	13n43	16n36	5n 6	5n 6	18n13	3s15	5n 8

Julian Day Number = 2171988.5, Delta T = 12m14s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'00, Lahiri = 13°11'01 Julian Calendar 1 Aug. 1234 == Greg. Calendar 8 Aug. 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

SEPTEMBER 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 7 40	15♍ 1'35	27♏34	27♌49	19♍28	17♊11	11♎15	19°R29	25♐46	4°R22	3♎43	17♍ 8	17♍ 5	22♊39	9°R33	F 1
S 2	23 11 36	16° 0'16	11♐44	28°26	20°43	17°42	11°27	19♉28	25°47	4♊22	3°45	17° 8	17° 2	22°46	9♓30	S 2
S 3	23 15 33	16°58'58	25°58	29°12	21°57	18°12	11°40	19°28	25°47	4°22	3°48	17° 8	16°59	22°53	9°27	S 3
M 4	23 19 29	17°57'42	10♑12	0♍ 7	23°12	18°43	11°52	19°27	25°47	4°22	3°50	17° 8	16°56	22°59	9°24	M 4
T 5	23 23 26	18°56'27	24°26	1° 8	24°27	19°13	12° 5	19°25	25°48	4°22	3°52	17° 8	16°53	23° 6	9°21	T 5
W 6	23 27 22	19°55'14	8♒34	2°17	25°42	19°43	12°17	19°24	25°48	4°21	3°55	17° 8	16°50	23°13	9°19	W 6
T 7	23 31 19	20°54'03	22°35	3°32	26°56	20°12	12°30	19°23	25°48	4°21	3°57	17° 9	16°46	23°19	9°16	T 7
F 8	23 35 15	21°52'54	6♓25	4°52	28°11	20°41	12°42	19°22	25°49	4°21	3°59	17° 9	16°43	23°26	9°13	F 8
S 9	23 39 12	22°51'47	20° 1	6°17	29°26	21°10	12°55	19°20	25°49	4°21	4° 2	17°R 9	16°40	23°33	9°10	S 9
S 10	23 43 9	23°50'42	3♈21	7°47	0♎41	21°39	13° 8	19°18	25°50	4°20	4° 4	17° 9	16°37	23°40	9° 8	S 10
M11	23 47 5	24°49'39	16°24	9°20	1°55	22° 7	13°20	19°17	25°51	4°20	4° 6	17° 8	16°34	23°46	9° 5	M11
T 12	23 51 2	25°48'38	29° 9	10°57	3°10	22°35	13°33	19°15	25°51	4°20	4° 9	17° 7	16°31	23°53	9° 2	T 12
W13	23 54 58	26°47'39	11♉39	12°36	4°25	23° 3	13°46	19°13	25°52	4°19	4°11	17° 6	16°27	24° 0	9° 0	W13
T 14	23 58 55	27°46'43	23°54	14°17	5°40	23°30	13°59	19°11	25°53	4°19	4°13	17° 4	16°24	24° 7	8°57	T 14
F 15	0 2 51	28°45'49	5♊57	15°59	6°55	23°58	14°11	19° 9	25°54	4°18	4°16	17° 3	16°21	24°13	8°54	F 15
S 16	0 6 48	29°44'57	17°53	17°43	8°10	24°24	14°24	19° 6	25°55	4°18	4°18	17° 2	16°18	24°20	8°52	S 16
S 17	0 10 44	0♎44'08	29°46	19°28	9°24	24°51	14°37	19° 4	25°56	4°17	4°20	17°D 2	16°15	24°27	8°49	S 17
M18	0 14 41	1°43'21	11♋40	21°14	10°39	25°17	14°50	19° 2	25°57	4°17	4°23	17° 2	16°11	24°33	8°47	M18
T 19	0 18 38	2°42'36	23°41	23° 0	11°54	25°42	15° 3	18°59	25°58	4°16	4°25	17° 3	16° 8	24°40	8°44	T 19
W20	0 22 34	3°41'54	5♌52	24°46	13° 9	26° 7	15°16	18°57	25°59	4°15	4°27	17° 4	16° 5	24°47	8°42	W20
T 21	0 26 31	4°41'14	18°17	26°32	14°24	26°32	15°29	18°54	26° 0	4°15	4°30	17° 6	16° 2	24°54	8°39	T 21
F 22	0 30 27	5°40'36	1♍ 1	28°18	15°39	26°57	15°42	18°51	26° 1	4°14	4°32	17° 7	15°59	25° 0	8°37	F 22
S 23	0 34 24	6°40'01	14° 5	0♎ 4	16°54	27°21	15°55	18°48	26° 3	4°13	4°35	17°R 8	15°56	25° 7	8°34	S 23
S 24	0 38 20	7°39'27	27°30	1°49	18° 9	27°45	16° 8	18°45	26° 4	4°13	4°37	17° 7	15°52	25°14	8°32	S 24
M25	0 42 17	8°38'56	11♎15	3°34	19°24	28° 8	16°21	18°42	26° 5	4°12	4°39	17° 6	15°49	25°20	8°29	M25
T 26	0 46 13	9°38'27	25°17	5°19	20°38	28°31	16°34	18°39	26° 7	4°11	4°42	17° 4	15°46	25°27	8°27	T 26
W27	0 50 10	10°38'00	9♏32	7° 3	21°53	28°53	16°47	18°36	26° 8	4°10	4°44	17° 0	15°43	25°34	8°25	W27
T 28	0 54 6	11°37'35	23°55	8°47	23° 8	29°15	17° 0	18°32	26°10	4° 9	4°46	16°57	15°40	25°41	8°23	T 28
F 29	0 58 3	12°37'11	8♐20	10°29	24°23	29°37	17°13	18°29	26°11	4° 8	4°49	16°54	15°36	25°47	8°20	F 29
S 30	1 2 0	13♎36'50	22♐44	12♎12	25♎38	29♊58	17♎26	18♉25	26♐13	4♊ 8	4♎51	16♍51	15♍33	25♊54	8♓18	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n55	14s50	4n59	12n17	0n 1	5n27	1n22	22n31	0s24	3s26	1n 8	15n23	2s22	23s43	0s15	19n31	1s37	13n42	16n35	5n 6	5n 7	18n13	3s16	5n 8
S 2	5 33	17 4	5 16	12 19	0 16	4 57	1 21	22 35	0 23	3 31	1 8	15 23	2 22	23 43	0 15	19 31	1 37	13 41	16 35	5 6	5 8	18 14	3 17	5 8
S 3	5 10	18 15	5 13	12 17	0 31	4 26	1 21	22 39	0 22	3 36	1 7	15 23	2 23	23 43	0 15	19 30	1 37	13 40	16 35	5 6	5 10	18 14	3 18	5 8
M 4	4 47	18 17	4 52	12 10	0 44	3 56	1 20	22 43	0 21	3 41	1 7	15 22	2 23	23 43	0 15	19 30	1 37	13 39	16 35	5 6	5 11	18 14	3 20	5 8
T 5	4 24	17 11	4 13	12 0	0 57	3 25	1 19	22 47	0 19	3 46	1 7	15 22	2 23	23 43	0 15	19 30	1 37	13 38	16 35	5 6	5 12	18 15	3 21	5 7
W 6	4 0	15 0	3 18	11 45	1 7	2 55	1 18	22 50	0 18	3 51	1 7	15 21	2 23	23 43	0 15	19 30	1 37	13 37	16 35	5 6	5 13	18 15	3 22	5 7
T 7	3 37	11 58	2 12	11 27	1 17	2 24	1 17	22 54	0 17	3 56	1 7	15 21	2 23	23 43	0 15	19 30	1 37	13 36	16 35	5 6	5 15	18 16	3 23	5 7
F 8	3 14	8 17	0 59	11 6	1 26	1 53	1 16	22 57	0 15	4 1	1 7	15 20	2 24	23 43	0 15	19 30	1 37	13 35	16 35	5 6	5 16	18 16	3 24	5 7
S 9	2 51	4 13	0s16	10 41	1 33	1 23	1 15	23 1	0 14	4 6	1 7	15 20	2 24	23 43	0 15	19 30	1 38	13 34	16 35	5 6	5 17	18 17	3 25	5 7
S 10	2 27	0 1	1 29	10 13	1 39	0 52	1 14	23 4	0 12	4 11	1 7	15 19	2 24	23 43	0 15	19 30	1 38	13 33	16 34	5 6	5 18	18 17	3 26	5 7
M11	2 4	4n 5	2 35	9 42	1 44	0 21	1 13	23 7	0 11	4 16	1 7	15 18	2 24	23 43	0 15	19 30	1 38	13 32	16 34	5 6	5 19	18 17	3 28	5 7
T 12	1 40	7 55	3 32	9 9	1 48	0s10	1 12	23 10	0 10	4 21	1 7	15 18	2 24	23 43	0 15	19 30	1 38	13 31	16 34	5 6	5 21	18 18	3 29	5 7
W13	1 17	11 18	4 18	8 34	1 51	0 41	1 10	23 13	0 8	4 26	1 7	15 17	2 24	23 43	0 15	19 30	1 38	13 30	16 34	5 7	5 22	18 18	3 30	5 6
T 14	0 53	14 7	4 51	7 57	1 53	1 12	1 9	23 16	0 7	4 31	1 7	15 16	2 25	23 43	0 15	19 29	1 38	13 29	16 34	5 8	5 23	18 19	3 31	5 6
F 15	0 30	16 18	5 10	7 18	1 54	1 43	1 8	23 19	0 5	4 36	1 7	15 15	2 25	23 43	0 15	19 29	1 38	13 28	16 34	5 8	5 24	18 19	3 32	5 6
S 16	0 6	17 44	5 16	6 37	1 54	2 14	1 6	23 21	0 4	4 41	1 6	15 15	2 25	23 43	0 15	19 29	1 38	13 28	16 34	5 8	5 26	18 19	3 33	5 6
S 17	0s18	18 24	5 8	5 56	1 54	2 45	1 5	23 24	0 2	4 46	1 6	15 14	2 25	23 43	0 15	19 29	1 38	13 27	16 34	5 9	5 27	18 20	3 34	5 6
M18	0 41	18 15	4 48	5 13	1 53	3 16	1 3	23 27	0 0	4 51	1 6	15 13	2 25	23 43	0 15	19 29	1 38	13 26	16 34	5 8	5 28	18 20	3 35	5 6
T 19	1 5	17 17	4 14	4 29	1 51	3 47	1 2	23 29	0n 1	4 56	1 6	15 12	2 25	23 43	0 15	19 29	1 38	13 25	16 34	5 8	5 29	18 21	3 36	5 5
W20	1 29	15 31	3 29	3 45	1 49	4 18	1 0	23 31	0 3	5 1	1 6	15 11	2 26	23 43	0 15	19 29	1 38	13 24	16 34	5 8	5 31	18 21	3 38	5 5
T 21	1 52	12 59	2 33	3 0	1 46	4 48	0 58	23 34	0 4	5 6	1 6	15 11	2 26	23 43	0 15	19 28	1 38	13 23	16 34	5 7	5 32	18 21	3 39	5 5
F 22	2 16	9 47	1 28	2 15	1 42	5 19	0 56	23 36	0 6	5 11	1 6	15 10	2 26	23 43	0 15	19 28	1 38	13 22	16 34	5 7	5 33	18 22	3 40	5 5
S 23	2 39	6 2	0 17	1 29	1 39	5 49	0 55	23 38	0 8	5 16	1 6	15 9	2 26	23 43	0 15	19 28	1 38	13 21	16 34	5 6	5 34	18 22	3 41	5 5
S 24	3 3	1 52	0n57	0 43	1 34	6 20	0 53	23 40	0 9	5 21	1 6	15 8	2 26	23 43	0 15	19 28	1 38	13 20	16 34	5 6	5 36	18 23	3 42	5 4
M25	3 27	2s29	2 9	0s 3	1 30	6 50	0 51	23 43	0 11	5 26	1 6	15 7	2 26	23 43	0 15	19 28	1 38	13 19	16 34	5 7	5 37	18 23	3 43	5 4
T 26	3 50	6 48	3 15	0 49	1 25	7 20	0 49	23 45	0 13	5 31	1 6	15 6	2 26	23 43	0 15	19 27	1 38	13 18	16 34	5 8	5 38	18 23	3 44	5 4
W27	4 14	10 47	4 9	1 35	1 20	7 50	0 47	23 47	0 15	5 36	1 6	15 5	2 27	23 44	0 15	19 27	1 38	13 18	16 34	5 9	5 39	18 24	3 45	5 4
T 28	4 37	14 10	4 49	2 21	1 15	8 20	0 45	23 48	0 16	5 41	1 6	15 4	2 27	23 44	0 15	19 27	1 38	13 17	16 34	5 10	5 41	18 24	3 46	5 4
F 29	5 0	16 41	5 10	3 7	1 9	8 49	0 43	23 50	0 18	5 47	1 6	15 3	2 27	23 44	0 15	19 27	1 38	13 16	16 35	5 12	5 42	18 24	3 47	5 3
S 30	5s24	18s 9	5n12	3s52	1n 3	9s19	0n41	23n52	0n20	5s52	1n 6	15n 2	2s27	23s44	0s15	19n27	1s38	13n15	16n35	5n13	5n43	18n25	3s48	5n 3

Julian Day Number = 2172019.5, Delta T = 12m14s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'04, Lahiri = 13°11'05 Julian Calendar 1 Sept. 1234 == Greg. Calendar 8 Sept. 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

OCTOBER 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 56	14♎36'30	7♉ 1	13♎53	26♎53	0♋18	17♎39	18°R22	26♐14	4°R 7	4♎53	16°R50	15♍30	26♊ 1	8°R16	S 1
M 2	1 9 53	15°36'12	21° 9	15°34	28° 8	0°38	17°52	18♉18	26°16	4♊ 6	4°56	16°D50	15°27	26° 8	8♓14	M 2
T 3	1 13 49	16°35'56	5♒ 7	17°15	29°23	0°58	18° 6	18°14	26°18	4° 5	4°58	16♍51	15°24	26°14	8°12	T 3
W 4	1 17 46	17°35'41	18°53	18°55	0♏38	1°17	18°19	18°10	26°20	4° 4	5° 0	16°52	15°21	26°21	8°10	W 4
T 5	1 21 42	18°35'28	2♓28	20°34	1°53	1°36	18°32	18° 7	26°21	4° 2	5° 3	16°54	15°17	26°28	8° 8	T 5
F 6	1 25 39	19°35'17	15°51	22°13	3° 7	1°54	18°45	18° 3	26°23	4° 1	5° 5	16°R54	15°14	26°34	8° 6	F 6
S 7	1 29 35	20°35'08	29° 2	23°51	4°22	2°11	18°58	17°59	26°25	4° 0	5° 7	16°54	15°11	26°41	8° 4	S 7
S 8	1 33 32	21°35'00	12♈ 1	25°28	5°37	2°28	19°11	17°54	26°27	3°59	5°10	16°51	15° 8	26°48	8° 2	S 8
M 9	1 37 29	22°34'55	24°47	27° 5	6°52	2°45	19°24	17°50	26°29	3°58	5°12	16°47	15° 5	26°55	8° 0	M 9
T 10	1 41 25	23°34'51	7♉21	28°42	8° 7	3° 1	19°37	17°46	26°31	3°57	5°14	16°41	15° 2	27° 1	7°59	T 10
W11	1 45 22	24°34'50	19°43	0♏18	9°22	3°16	19°50	17°42	26°33	3°56	5°16	16°34	14°58	27° 8	7°57	W11
T 12	1 49 18	25°34'50	1♊54	1°53	10°37	3°31	20° 3	17°37	26°35	3°54	5°19	16°27	14°55	27°15	7°55	T 12
F 13	1 53 15	26°34'53	13°56	3°28	11°52	3°45	20°17	17°33	26°38	3°53	5°21	16°20	14°52	27°21	7°54	F 13
S 14	1 57 11	27°34'58	25°50	5° 3	13° 7	3°59	20°30	17°29	26°40	3°52	5°23	16°14	14°49	27°28	7°52	S 14
S 15	2 1 8	28°35'05	7♋42	6°37	14°21	4°12	20°43	17°24	26°42	3°50	5°25	16°10	14°46	27°35	7°51	S 15
M16	2 5 4	29°35'14	19°34	8°11	15°36	4°24	20°56	17°20	26°44	3°49	5°28	16° 8	14°42	27°42	7°49	M16
T 17	2 9 1	0♏35'25	1♌32	9°44	16°51	4°36	21° 9	17°15	26°47	3°48	5°30	16°D 7	14°39	27°48	7°48	T 17
W18	2 12 58	1°35'38	13°40	11°17	18° 6	4°47	21°22	17°10	26°49	3°46	5°32	16° 8	14°36	27°55	7°46	W18
T 19	2 16 54	2°35'53	26° 3	12°49	19°21	4°57	21°35	17° 6	26°52	3°45	5°34	16° 9	14°33	28° 2	7°45	T 19
F 20	2 20 51	3°36'10	8♍47	14°21	20°36	5° 7	21°48	17° 1	26°54	3°44	5°36	16°10	14°30	28° 8	7°44	F 20
S 21	2 24 47	4°36'30	21°55	15°53	21°51	5°16	22° 1	16°56	26°56	3°42	5°39	16°R10	14°27	28°15	7°42	S 21
S 22	2 28 44	5°36'51	5♎29	17°24	23° 6	5°24	22°14	16°52	26°59	3°41	5°41	16° 8	14°23	28°22	7°41	S 22
M23	2 32 40	6°37'14	19°29	18°56	24°20	5°31	22°27	16°47	27° 2	3°39	5°43	16° 4	14°20	28°29	7°40	M23
T 24	2 36 37	7°37'39	3♏52	20°26	25°35	5°38	22°40	16°42	27° 4	3°38	5°45	15°58	14°17	28°35	7°39	T 24
W25	2 40 33	8°38'06	18°34	21°57	26°50	5°44	22°53	16°37	27° 7	3°36	5°47	15°50	14°14	28°42	7°38	W25
T 26	2 44 30	9°38'34	3♐26	23°26	28° 5	5°49	23° 5	16°32	27°10	3°35	5°49	15°41	14°11	28°49	7°37	T 26
F 27	2 48 27	10°39'04	18°19	24°56	29°20	5°54	23°18	16°27	27°12	3°33	5°51	15°33	14° 8	28°55	7°36	F 27
S 28	2 52 23	11°39'36	3♑ 6	26°25	0♐35	5°58	23°31	16°22	27°15	3°32	5°53	15°26	14° 4	29° 2	7°35	S 28
S 29	2 56 20	12°40'08	17°38	27°54	1°50	6° 0	23°44	16°18	27°18	3°30	5°55	15°21	14° 1	29° 9	7°35	S 29
M30	3 0 16	13°40'42	1♒53	29°22	3° 5	6° 3	23°57	16°13	27°21	3°29	5°57	15°18	13°58	29°16	7°34	M30
T 31	3 4 13	14♏41'18	15♒48	0♐50	4♐19	6♋ 4	24♎ 9	16♉ 8	27♐23	3♊27	5♎59	15°D18	13♍55	29♊22	7♓33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s47	18s27	4n54	4s37	0n57	9s48	0n39	23n54	0n22	5s57	1n 6	15n 0	2s27	23s44	0s15	19n26	1s38	13n14	16n35	5n13	5n44	18n25	3s49	5n 3
M 2	6 10	17 36	4 19	5 22	0 51	10 17	0 37	23 56	0 24	6 2	1 6	14 59	2 27	23 44	0 15	19 26	1 39	13 13	16 35	5 13	5 45	18 25	3 50	5 3
T 3	6 33	15 41	3 29	6 7	0 45	10 46	0 34	23 58	0 26	6 7	1 6	14 58	2 27	23 44	0 15	19 26	1 39	13 13	16 35	5 13	5 47	18 26	3 51	5 2
W 4	6 56	12 53	2 27	6 51	0 38	11 14	0 32	24 0	0 28	6 12	1 6	14 57	2 27	23 44	0 15	19 26	1 39	13 12	16 35	5 12	5 48	18 26	3 52	5 2
T 5	7 19	9 25	1 18	7 34	0 32	11 42	0 30	24 1	0 30	6 17	1 6	14 56	2 27	23 44	0 15	19 26	1 39	13 11	16 35	5 12	5 49	18 27	3 53	5 2
F 6	7 42	5 31	0 6	8 18	0 25	12 10	0 28	24 3	0 32	6 22	1 6	14 55	2 28	23 44	0 15	19 25	1 39	13 10	16 35	5 11	5 50	18 27	3 54	5 2
S 7	8 4	1 24	1s 6	9 0	0 19	12 38	0 25	24 5	0 34	6 27	1 6	14 54	2 28	23 44	0 15	19 25	1 39	13 9	16 36	5 12	5 52	18 27	3 55	5 1
S 8	8 27	2n44	2 13	9 42	0 12	13 5	0 23	24 7	0 36	6 32	1 6	14 52	2 28	23 44	0 15	19 25	1 39	13 9	16 36	5 13	5 53	18 28	3 56	5 1
M 9	8 49	6 40	3 12	10 24	0 5	13 32	0 20	24 8	0 38	6 37	1 6	14 51	2 28	23 44	0 15	19 25	1 39	13 8	16 36	5 14	5 54	18 28	3 57	5 1
T 10	9 12	10 14	4 0	11 5	0s 2	13 59	0 18	24 10	0 40	6 42	1 6	14 50	2 28	23 44	0 15	19 24	1 39	13 7	16 36	5 17	5 55	18 28	3 58	5 1
W11	9 34	13 18	4 36	11 45	0 8	14 25	0 16	24 12	0 42	6 47	1 6	14 49	2 28	23 44	0 15	19 24	1 39	13 7	16 36	5 19	5 57	18 29	3 59	5 0
T 12	9 56	15 44	5 0	12 25	0 15	14 51	0 13	24 14	0 44	6 52	1 6	14 47	2 28	23 44	0 15	19 24	1 39	13 6	16 36	5 22	5 58	18 29	4 0	5 0
F 13	10 18	17 27	5 9	13 4	0 22	15 17	0 11	24 15	0 46	6 57	1 6	14 46	2 28	23 44	0 15	19 24	1 39	13 5	16 37	5 25	5 59	18 29	4 0	5 0
S 14	10 39	18 23	5 5	13 42	0 28	15 42	0 8	24 17	0 49	7 1	1 6	14 45	2 28	23 44	0 15	19 23	1 39	13 5	16 37	5 27	6 0	18 30	4 1	4 59
S 15	11 1	18 31	4 48	14 20	0 35	16 7	0 6	24 19	0 51	7 6	1 6	14 44	2 28	23 44	0 15	19 23	1 39	13 4	16 37	5 29	6 2	18 30	4 2	4 59
M16	11 22	17 50	4 19	14 57	0 41	16 32	0 3	24 21	0 53	7 11	1 6	14 42	2 28	23 44	0 15	19 23	1 39	13 3	16 37	5 30	6 3	18 30	4 3	4 59
T 17	11 44	16 22	3 38	15 33	0 48	16 56	0 1	24 23	0 56	7 16	1 6	14 41	2 28	23 45	0 15	19 22	1 39	13 3	16 38	5 30	6 4	18 30	4 4	4 59
W18	12 5	14 8	2 46	16 8	0 54	17 19	0s 2	24 25	0 58	7 21	1 6	14 40	2 28	23 45	0 15	19 22	1 39	13 2	16 38	5 30	6 5	18 31	4 4	4 58
T 19	12 25	11 13	1 47	16 43	1 1	17 42	0 4	24 27	1 0	7 26	1 6	14 38	2 28	23 45	0 15	19 22	1 39	13 1	16 38	5 29	6 6	18 31	4 5	4 58
F 20	12 46	7 42	0 40	17 16	1 7	18 5	0 7	24 29	1 3	7 31	1 6	14 37	2 28	23 45	0 15	19 22	1 39	13 1	16 38	5 29	6 8	18 31	4 6	4 58
S 21	13 7	3 42	0n31	17 49	1 13	18 27	0 9	24 31	1 5	7 36	1 6	14 36	2 28	23 45	0 15	19 21	1 39	13 0	16 39	5 29	6 9	18 32	4 7	4 57
S 22	13 27	0s37	1 42	18 21	1 19	18 49	0 12	24 33	1 8	7 40	1 6	14 34	2 28	23 45	0 15	19 21	1 39	13 0	16 39	5 29	6 10	18 32	4 7	4 57
M23	13 47	5 3	2 49	18 53	1 25	19 10	0 14	24 35	1 10	7 45	1 6	14 33	2 28	23 45	0 15	19 21	1 39	12 59	16 39	5 31	6 11	18 32	4 8	4 57
T 24	14 7	9 18	3 47	19 23	1 30	19 31	0 17	24 37	1 13	7 50	1 6	14 31	2 28	23 45	0 15	19 20	1 39	12 58	16 40	5 33	6 13	18 33	4 9	4 56
W25	14 26	13 4	4 32	19 52	1 36	19 51	0 20	24 40	1 15	7 55	1 6	14 30	2 28	23 45	0 15	19 20	1 39	12 58	16 40	5 36	6 14	18 33	4 9	4 56
T 26	14 46	16 2	4 58	20 20	1 41	20 10	0 22	24 42	1 18	8 0	1 6	14 29	2 28	23 45	0 15	19 20	1 39	12 57	16 40	5 40	6 15	18 33	4 10	4 56
F 27	15 5	17 57	5 5	20 48	1 46	20 29	0 25	24 44	1 20	8 4	1 6	14 27	2 28	23 45	0 15	19 20	1 39	12 57	16 40	5 43	6 16	18 33	4 11	4 56
S 28	15 24	18 39	4 51	21 14	1 51	20 48	0 27	24 47	1 23	8 9	1 6	14 26	2 28	23 45	0 15	19 19	1 39	12 56	16 41	5 46	6 17	18 34	4 11	4 55
S 29	15 42	18 6	4 19	21 39	1 56	21 6	0 30	24 49	1 26	8 14	1 6	14 25	2 28	23 45	0 15	19 19	1 39	12 56	16 41	5 48	6 19	18 34	4 12	4 55
M30	16 0	16 24	3 31	22 3	2 0	21 23	0 32	24 52	1 28	8 18	1 6	14 23	2 28	23 45	0 15	19 19	1 39	12 55	16 41	5 49	6 20	18 34	4 13	4 55
T 31	16s19	13s46	2n31	22s26	2s 5	21s40	0s35	24n55	1n31	8s23	1n 6	14n22	2s28	23s45	0s15	19n18	1s39	12n55	16n42	5n49	6n21	18n34	4s13	4n54

Julian Day Number = 2172049.5, Delta T = 12m13s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'09, Lahiri = 13°11'09 Julian Calendar 1 Oct. 1234 == Greg. Calendar 8 Oct. 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

NOVEMBER 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 8 9	15♏41'54	29♒24	2♐18	5♐34	6°R 4	24♎22	16°R 3	27♐26	3°R25	6♎ 1	15♍18	13♍52	29♊29	7°R32	W 1
T 2	3 12 6	16°42'31	12♓43	3°44	6°49	6♋ 4	24°35	15♉58	27°29	3♊24	6° 3	15°R19	13°48	29°36	7♓32	T 2
F 3	3 16 2	17°43'10	25°46	5°11	8° 4	6° 3	24°47	15°53	27°32	3°22	6° 5	15°18	13°45	29°43	7°31	F 3
S 4	3 19 59	18°43'50	8♈36	6°36	9°19	6° 1	25° 0	15°48	27°35	3°21	6° 7	15°16	13°42	29°49	7°31	S 4
S 5	3 23 56	19°44'31	21°14	8° 1	10°34	5°58	25°12	15°43	27°38	3°19	6° 9	15°10	13°39	29°56	7°31	S 5
M 6	3 27 52	20°45'14	3♉43	9°25	11°48	5°54	25°25	15°38	27°41	3°17	6°10	15° 2	13°36	0♋ 3	7°30	M 6
T 7	3 31 49	21°45'58	16° 2	10°48	13° 3	5°50	25°37	15°33	27°44	3°16	6°12	14°52	13°33	0° 9	7°30	T 7
W 8	3 35 45	22°46'43	28°14	12° 9	14°18	5°44	25°50	15°28	27°47	3°14	6°14	14°39	13°29	0°16	7°30	W 8
T 9	3 39 42	23°47'29	10♊18	13°30	15°33	5°38	26° 2	15°24	27°50	3°12	6°16	14°25	13°26	0°23	7°30	T 9
F 10	3 43 38	24°48'17	22°16	14°49	16°48	5°31	26°14	15°19	27°54	3°11	6°18	14°12	13°23	0°30	7°29	F 10
S 11	3 47 35	25°49'06	4♋ 8	16° 6	18° 2	5°23	26°27	15°14	27°57	3° 9	6°19	14° 0	13°20	0°36	7°D29	S 11
S 12	3 51 31	26°49'57	15°58	17°22	19°17	5°14	26°39	15° 9	28° 0	3° 7	6°21	13°51	13°17	0°43	7°29	S 12
M13	3 55 28	27°50'49	27°49	18°35	20°32	5° 4	26°51	15° 4	28° 3	3° 6	6°23	13°44	13°14	0°50	7°29	M13
T 14	3 59 25	28°51'42	9♌44	19°46	21°47	4°54	27° 3	15° 0	28° 6	3° 4	6°24	13°40	13°10	0°56	7°30	T 14
W15	4 3 21	29°52'37	21°48	20°54	23° 1	4°42	27°15	14°55	28°10	3° 2	6°26	13°39	13° 7	1° 3	7°30	W15
T 16	4 7 18	0♐53'33	4♍ 7	21°58	24°16	4°30	27°27	14°50	28°13	3° 0	6°27	13°D38	13° 4	1°10	7°30	T 16
F 17	4 11 14	1°54'30	16°45	22°59	25°31	4°17	27°39	14°46	28°16	2°59	6°29	13°R38	13° 1	1°17	7°30	F 17
S 18	4 15 11	2°55'29	29°48	23°55	26°45	4° 3	27°51	14°41	28°19	2°57	6°31	13°38	12°58	1°23	7°31	S 18
S 19	4 19 7	3°56'29	13♎19	24°46	28° 0	3°49	28° 3	14°37	28°23	2°55	6°32	13°35	12°54	1°30	7°31	S 19
M20	4 23 4	4°57'30	27°20	25°31	29°15	3°33	28°15	14°32	28°26	2°54	6°34	13°29	12°51	1°37	7°32	M20
T 21	4 27 0	5°58'32	11♏50	26°10	0♑29	3°17	28°27	14°28	28°30	2°52	6°35	13°21	12°48	1°43	7°32	T 21
W22	4 30 57	6°59'35	26°44	26°42	1°44	3° 0	28°38	14°23	28°33	2°50	6°36	13°10	12°45	1°50	7°33	W22
T 23	4 34 54	8° 0'39	11♐55	27° 5	2°59	2°42	28°50	14°19	28°36	2°49	6°38	12°58	12°42	1°57	7°33	T 23
F 24	4 38 50	9° 1'44	27°10	27°20	4°14	2°24	29° 1	14°15	28°40	2°47	6°39	12°47	12°39	2° 4	7°34	F 24
S 25	4 42 47	10° 2'50	12♑20	27°R24	5°28	2° 5	29°13	14°11	28°43	2°45	6°41	12°37	12°35	2°10	7°35	S 25
S 26	4 46 43	11° 3'56	27°13	27°18	6°43	1°45	29°24	14° 7	28°47	2°43	6°42	12°29	12°32	2°17	7°36	S 26
M27	4 50 40	12° 5'03	11♒44	27° 1	7°57	1°25	29°35	14° 2	28°50	2°42	6°43	12°24	12°29	2°24	7°37	M27
T 28	4 54 36	13° 6'10	25°50	26°31	9°12	1° 4	29°47	13°58	28°54	2°40	6°44	12°22	12°26	2°30	7°38	T 28
W29	4 58 33	14° 7'17	9♓29	25°51	10°27	0°43	29°58	13°55	28°57	2°38	6°46	12°22	12°23	2°37	7°39	W29
T 30	5 2 29	15♐ 8'25	22♓45	24♐59	11♑41	0♋21	0♏ 9	13♉51	29♐ 1	2♊37	6♎47	12♍22	12♍19	2♋44	7♓40	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s36	10s25	1n24	22s48	2s 9	21s56	0s37	24n57	1n34	8s28	1n 6	14n21	2s28	23s45	0s15	19n18	1s39	12n55	16n42	5n49	6n22	18n35	4s14	4n54
T 2	16 54	6 36	0 14	23 9	2 12	22 11	0 40	25 0	1 36	8 32	1 6	14 19	2 28	23 45	0 15	19 18	1 39	12 54	16 43	5 49	6 24	18 35	4 14	4 54
F 3	17 11	2 32	0s55	23 28	2 16	22 26	0 42	25 3	1 39	8 37	1 6	14 18	2 28	23 45	0 15	19 17	1 39	12 54	16 43	5 49	6 25	18 35	4 15	4 53
S 4	17 28	1n34	2 1	23 46	2 18	22 40	0 44	25 6	1 42	8 42	1 6	14 17	2 28	23 46	0 15	19 17	1 39	12 53	16 43	5 50	6 26	18 36	4 15	4 53
S 5	17 45	5 33	2 59	24 3	2 21	22 54	0 47	25 9	1 45	8 46	1 6	14 15	2 28	23 46	0 15	19 17	1 39	12 53	16 44	5 52	6 27	18 36	4 16	4 53
M 6	18 1	9 14	3 47	24 19	2 23	23 6	0 49	25 12	1 48	8 51	1 6	14 14	2 28	23 46	0 15	19 16	1 39	12 53	16 44	5 55	6 29	18 36	4 16	4 52
T 7	18 17	12 29	4 25	24 33	2 25	23 19	0 52	25 15	1 51	8 55	1 6	14 13	2 28	23 46	0 15	19 16	1 39	12 52	16 45	5 59	6 30	18 36	4 16	4 52
W 8	18 32	15 9	4 49	24 46	2 26	23 30	0 54	25 18	1 53	9 0	1 6	14 11	2 28	23 46	0 15	19 16	1 39	12 52	16 45	6 4	6 31	18 37	4 17	4 52
T 9	18 48	17 8	5 0	24 57	2 27	23 41	0 56	25 21	1 56	9 4	1 6	14 10	2 27	23 46	0 15	19 15	1 39	12 52	16 45	6 9	6 32	18 37	4 17	4 51
F 10	19 3	18 21	4 58	25 7	2 28	23 51	0 58	25 24	1 59	9 8	1 6	14 9	2 27	23 46	0 15	19 15	1 39	12 51	16 46	6 14	6 33	18 37	4 17	4 51
S 11	19 17	18 45	4 43	25 15	2 27	24 0	1 1	25 28	2 2	9 13	1 6	14 7	2 27	23 46	0 15	19 15	1 39	12 51	16 46	6 19	6 35	18 37	4 18	4 51
S 12	19 32	18 20	4 16	25 22	2 26	24 9	1 3	25 31	2 5	9 17	1 6	14 6	2 27	23 46	0 15	19 14	1 39	12 51	16 47	6 23	6 36	18 37	4 18	4 50
M13	19 46	17 8	3 37	25 27	2 25	24 17	1 5	25 34	2 8	9 22	1 6	14 5	2 27	23 46	0 15	19 14	1 39	12 51	16 47	6 25	6 37	18 38	4 18	4 50
T 14	19 59	15 10	2 49	25 30	2 22	24 24	1 7	25 37	2 11	9 26	1 6	14 4	2 27	23 46	0 15	19 14	1 39	12 50	16 48	6 27	6 38	18 38	4 19	4 50
W15	20 12	12 31	1 53	25 32	2 19	24 30	1 9	25 41	2 14	9 30	1 7	14 2	2 27	23 46	0 15	19 13	1 39	12 50	16 48	6 27	6 40	18 38	4 19	4 49
T 16	20 25	9 16	0 50	25 33	2 15	24 36	1 11	25 44	2 17	9 34	1 7	14 1	2 27	23 46	0 15	19 13	1 39	12 50	16 48	6 27	6 41	18 38	4 19	4 49
F 17	20 38	5 30	0n16	25 31	2 11	24 41	1 13	25 47	2 19	9 39	1 7	14 0	2 26	23 46	0 15	19 13	1 39	12 50	16 49	6 27	6 42	18 39	4 19	4 49
S 18	20 50	1 22	1 24	25 28	2 5	24 45	1 15	25 51	2 22	9 43	1 7	13 59	2 26	23 46	0 15	19 13	1 39	12 50	16 49	6 28	6 43	18 39	4 19	4 48
S 19	21 1	2s58	2 30	25 24	1 58	24 48	1 17	25 54	2 25	9 47	1 7	13 57	2 26	23 46	0 15	19 12	1 39	12 49	16 50	6 29	6 44	18 39	4 20	4 48
M20	21 13	7 19	3 29	25 17	1 50	24 51	1 19	25 57	2 28	9 51	1 7	13 56	2 26	23 46	0 15	19 12	1 39	12 49	16 50	6 31	6 46	18 39	4 20	4 48
T 21	21 23	11 23	4 17	25 9	1 41	24 53	1 21	26 1	2 31	9 55	1 7	13 55	2 26	23 46	0 15	19 12	1 39	12 49	16 51	6 34	6 47	18 39	4 20	4 47
W22	21 34	14 50	4 48	25 0	1 30	24 54	1 23	26 4	2 34	9 59	1 7	13 54	2 26	23 46	0 15	19 11	1 39	12 49	16 51	6 38	6 48	18 40	4 20	4 47
T 23	21 44	17 21	5 0	24 48	1 18	24 54	1 24	26 7	2 36	10 3	1 7	13 53	2 26	23 46	0 15	19 11	1 39	12 49	16 52	6 43	6 49	18 40	4 20	4 47
F 24	21 54	18 40	4 51	24 35	1 5	24 54	1 26	26 10	2 39	10 7	1 7	13 52	2 25	23 46	0 15	19 11	1 39	12 49	16 52	6 47	6 51	18 40	4 20	4 46
S 25	22 3	18 38	4 21	24 21	0 50	24 53	1 28	26 13	2 42	10 11	1 7	13 51	2 25	23 47	0 15	19 10	1 39	12 49	16 53	6 51	6 52	18 40	4 20	4 46
S 26	22 12	17 18	3 34	24 5	0 34	24 51	1 29	26 16	2 44	10 15	1 7	13 50	2 25	23 47	0 15	19 10	1 39	12 49	16 53	6 54	6 53	18 40	4 20	4 46
M27	22 20	14 52	2 34	23 47	0 17	24 48	1 31	26 19	2 47	10 19	1 7	13 49	2 25	23 47	0 15	19 10	1 39	12 49	16 54	6 56	6 54	18 41	4 20	4 45
T 28	22 28	11 37	1 26	23 28	0n 1	24 45	1 32	26 22	2 50	10 23	1 8	13 48	2 25	23 47	0 15	19 9	1 39	12 49	16 54	6 57	6 55	18 41	4 20	4 45
W29	22 35	7 49	0 15	23 8	0 21	24 40	1 33	26 24	2 52	10 27	1 8	13 47	2 24	23 47	0 15	19 9	1 39	12 49	16 55	6 57	6 57	18 41	4 20	4 45
T 30	22s42	3s44	0s55	22s46	0n40	24s35	1s35	26n27	2n55	10s31	1n 8	13n46	2s24	23s47	0s15	19n 9	1s39	12n49	16n55	6n57	6n58	18n41	4s20	4n44

Julian Day Number = 2172080.5, Delta T = 12m13s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'13, Lahiri = 13°11'13 Julian Calendar 1 Nov. 1234 == Greg. Calendar 8 Nov. 1234

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ASTRODIENST EPHEMERIS for the year 1234
geocentric

DECEMBER 1234 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 6 26	16♐ 9'33	5♈40	23°R57	12♉56	29°R59	0♏20	13°R47	29♐ 4	2°R35	6♎48	12°R21	12♍16	2♋51	7♓41	F 1
S 2	5 10 23	17°10'41	18°18	22♐46	14°10	29♊37	0°31	13♉43	29° 8	2♊33	6°49	12♍17	12°13	2°57	7°42	S 2
S 3	5 14 19	18°11'49	0♉43	21°29	15°25	29°14	0°42	13°40	29°11	2°32	6°50	12°12	12°10	3° 4	7°43	S 3
M 4	5 18 16	19°12'58	12°58	20° 8	16°39	28°51	0°52	13°36	29°15	2°30	6°51	12° 2	12° 7	3°11	7°44	M 4
T 5	5 22 12	20°14'06	25° 5	18°45	17°54	28°28	1° 3	13°33	29°18	2°29	6°52	11°51	12° 4	3°17	7°46	T 5
W 6	5 26 9	21°15'15	7♊ 7	17°24	19° 8	28° 4	1°14	13°29	29°22	2°27	6°53	11°37	12° 0	3°24	7°47	W 6
T 7	5 30 5	22°16'25	19° 4	16° 7	20°22	27°40	1°24	13°26	29°26	2°25	6°54	11°22	11°57	3°31	7°48	T 7
F 8	5 34 2	23°17'35	0♋57	14°56	21°37	27°16	1°34	13°23	29°29	2°24	6°55	11° 7	11°54	3°38	7°50	F 8
S 9	5 37 58	24°18'44	12°49	13°53	22°51	26°53	1°45	13°20	29°33	2°22	6°56	10°54	11°51	3°44	7°52	S 9
S 10	5 41 55	25°19'55	24°40	13° 0	24° 6	26°29	1°55	13°17	29°36	2°21	6°57	10°43	11°48	3°51	7°53	S 10
M11	5 45 52	26°21'05	6♌33	12°17	25°20	26° 5	2° 5	13°14	29°40	2°19	6°57	10°36	11°45	3°58	7°55	M11
T 12	5 49 48	27°22'16	18°29	11°44	26°34	25°41	2°15	13°11	29°43	2°18	6°58	10°31	11°41	4° 4	7°56	T 12
W13	5 53 45	28°23'27	0♍34	11°22	27°48	25°18	2°25	13° 8	29°47	2°16	6°59	10°28	11°38	4°11	7°58	W13
T 14	5 57 41	29°24'38	12°51	11°10	29° 3	24°54	2°35	13° 6	29°51	2°15	7° 0	10°D28	11°35	4°18	8° 0	T 14
F 15	6 1 38	0♎25'50	25°25	11°D 7	0♒17	24°31	2°45	13° 3	29°54	2°13	7° 0	10°R28	11°32	4°25	8° 2	F 15
S 16	6 5 34	1°27'02	8♎21	11°14	1°31	24° 8	2°54	13° 1	29°58	2°12	7° 1	10°28	11°29	4°31	8° 4	S 16
S 17	6 9 31	2°28'14	21°43	11°28	2°45	23°45	3° 4	12°58	0♎ 1	2°10	7° 2	10°27	11°25	4°38	8° 6	S 17
M18	6 13 27	3°29'26	5♏34	11°51	3°59	23°23	3°13	12°56	0° 5	2° 9	7° 2	10°23	11°22	4°45	8° 8	M18
T 19	6 17 24	4°30'39	19°55	12°20	5°13	23° 1	3°22	12°54	0° 9	2° 8	7° 3	10°16	11°19	4°51	8°10	T 19
W20	6 21 21	5°31'51	4♐43	12°55	6°27	22°40	3°31	12°52	0°12	2° 6	7° 3	10° 8	11°16	4°58	8°12	W20
T 21	6 25 17	6°33'04	19°52	13°36	7°42	22°19	3°40	12°50	0°16	2° 5	7° 4	9°58	11°13	5° 5	8°14	T 21
F 22	6 29 14	7°34'16	5♑12	14°22	8°56	21°59	3°49	12°48	0°19	2° 4	7° 4	9°48	11°10	5°12	8°16	F 22
S 23	6 33 10	8°35'28	20°32	15°12	10° 9	21°39	3°58	12°46	0°23	2° 2	7° 4	9°39	11° 6	5°18	8°19	S 23
S 24	6 37 7	9°36'40	5♒39	16° 7	11°23	21°20	4° 7	12°45	0°26	2° 1	7° 5	9°32	11° 3	5°25	8°21	S 24
M25	6 41 3	10°37'51	20°26	17° 4	12°37	21° 1	4°16	12°43	0°30	2° 0	7° 5	9°28	11° 0	5°32	8°23	M25
T 26	6 45 0	11°39'02	4♓46	18° 5	13°51	20°43	4°24	12°42	0°34	1°58	7° 5	9°D27	10°57	5°38	8°26	T 26
W27	6 48 56	12°40'11	18°38	19° 9	15° 5	20°26	4°32	12°41	0°37	1°57	7° 6	9°27	10°54	5°45	8°28	W27
T 28	6 52 53	13°41'20	2♈ 1	20°16	16°19	20° 9	4°41	12°40	0°41	1°56	7° 6	9°28	10°51	5°52	8°30	T 28
F 29	6 56 50	14°42'28	15° 0	21°25	17°32	19°54	4°49	12°39	0°44	1°55	7° 6	9°R28	10°47	5°59	8°33	F 29
S 30	7 0 46	15°43'36	27°38	22°35	18°46	19°39	4°57	12°38	0°48	1°54	7° 6	9°27	10°44	6° 5	8°35	S 30
S 31	7 4 43	16♎44'42	9♉59	23♐48	20♒ 0	19♊24	5♏ 4	12♉37	0♎51	1♊53	7♎ 6	9♍24	10♍41	6♋12	8♓38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s49	0n26	2s 0	22s23	1n 1	24s30	1s36	26n29	2n57	10s35	1n 8	13n45	2s24	23s47	0s15	19n 8	1s39	12n49	16n56	6n57	6n59	18n41	4s20	4n44
S 2	22 55	4 28	2 58	22 0	1 21	24 23	1 37	26 31	2 59	10 38	1 8	13 44	2 24	23 47	0 15	19 8	1 39	12 49	16 57	6 59	7 0	18 41	4 20	4 44
S 3	23 1	8 15	3 46	21 36	1 40	24 16	1 38	26 33	3 1	10 42	1 8	13 43	2 24	23 47	0 15	19 8	1 39	12 49	16 57	7 1	7 1	18 42	4 19	4 43
M 4	23 6	11 37	4 23	21 12	1 58	24 8	1 39	26 35	3 4	10 46	1 8	13 42	2 23	23 47	0 15	19 8	1 39	12 49	16 58	7 4	7 3	18 42	4 19	4 43
T 5	23 11	14 28	4 47	20 49	2 15	23 59	1 40	26 37	3 6	10 49	1 8	13 42	2 23	23 47	0 15	19 7	1 39	12 49	16 58	7 9	7 4	18 42	4 19	4 43
W 6	23 15	16 40	4 59	20 28	2 29	23 50	1 41	26 39	3 8	10 53	1 8	13 41	2 23	23 47	0 15	19 7	1 39	12 49	16 59	7 14	7 5	18 42	4 19	4 42
T 7	23 19	18 9	4 57	20 8	2 41	23 40	1 42	26 41	3 10	10 56	1 8	13 40	2 23	23 47	0 15	19 7	1 39	12 50	16 59	7 20	7 6	18 42	4 19	4 42
F 8	23 22	18 50	4 42	19 51	2 51	23 29	1 43	26 42	3 11	11 0	1 9	13 39	2 22	23 47	0 15	19 6	1 39	12 50	17 0	7 25	7 8	18 42	4 18	4 42
S 9	23 25	18 41	4 15	19 36	2 59	23 18	1 44	26 43	3 13	11 3	1 9	13 39	2 22	23 47	0 15	19 6	1 39	12 50	17 0	7 30	7 9	18 43	4 18	4 42
S 10	23 27	17 43	3 37	19 25	3 4	23 5	1 44	26 44	3 15	11 7	1 9	13 38	2 22	23 47	0 15	19 6	1 39	12 50	17 1	7 35	7 10	18 43	4 18	4 41
M11	23 29	15 59	2 49	19 16	3 7	22 52	1 45	26 45	3 17	11 10	1 9	13 37	2 22	23 47	0 15	19 6	1 39	12 50	17 2	7 37	7 11	18 43	4 17	4 41
T 12	23 31	13 32	1 54	19 11	3 7	22 39	1 45	26 46	3 18	11 13	1 9	13 37	2 21	23 47	0 15	19 5	1 39	12 51	17 2	7 39	7 12	18 43	4 17	4 41
W13	23 32	10 30	0 52	19 9	3 6	22 24	1 46	26 46	3 19	11 17	1 9	13 36	2 21	23 47	0 15	19 5	1 39	12 51	17 3	7 40	7 14	18 43	4 17	4 40
T 14	23 32	6 57	0n13	19 10	3 4	22 10	1 46	26 47	3 21	11 20	1 9	13 36	2 21	23 47	0 15	19 5	1 39	12 51	17 3	7 40	7 15	18 43	4 16	4 40
F 15	23 32	3 2	1 19	19 14	3 0	21 54	1 46	26 47	3 22	11 23	1 9	13 35	2 21	23 47	0 15	19 5	1 39	12 51	17 4	7 40	7 16	18 43	4 16	4 40
S 16	23 32	1s 9	2 23	19 20	2 55	21 38	1 46	26 47	3 23	11 26	1 10	13 35	2 20	23 47	0 15	19 4	1 39	12 52	17 5	7 40	7 17	18 43	4 15	4 39
S 17	23 31	5 24	3 21	19 27	2 49	21 21	1 46	26 47	3 24	11 29	1 10	13 34	2 20	23 47	0 15	19 4	1 39	12 52	17 5	7 41	7 18	18 44	4 15	4 39
M18	23 29	9 30	4 10	19 37	2 42	21 4	1 46	26 47	3 25	11 33	1 10	13 34	2 20	23 47	0 15	19 4	1 39	12 52	17 6	7 42	7 20	18 44	4 15	4 39
T 19	23 28	13 13	4 45	19 48	2 35	20 46	1 46	26 47	3 26	11 36	1 10	13 33	2 20	23 47	0 15	19 4	1 39	12 53	17 6	7 45	7 21	18 44	4 14	4 39
W20	23 25	16 13	5 2	20 0	2 27	20 27	1 46	26 46	3 27	11 39	1 10	13 33	2 19	23 47	0 15	19 3	1 39	12 53	17 7	7 48	7 22	18 44	4 14	4 38
T 21	23 22	18 11	4 59	20 14	2 19	20 8	1 46	26 46	3 27	11 42	1 10	13 33	2 19	23 47	0 15	19 3	1 39	12 53	17 7	7 52	7 23	18 44	4 13	4 38
F 22	23 19	18 52	4 34	20 28	2 10	19 48	1 46	26 45	3 28	11 44	1 10	13 32	2 19	23 47	0 15	19 3	1 39	12 54	17 8	7 56	7 25	18 44	4 12	4 38
S 23	23 15	18 10	3 50	20 42	2 1	19 28	1 45	26 44	3 28	11 47	1 10	13 32	2 18	23 47	0 15	19 3	1 38	12 54	17 9	7 59	7 26	18 44	4 12	4 37
S 24	23 11	16 11	2 50	20 57	1 52	19 7	1 45	26 43	3 29	11 50	1 11	13 32	2 18	23 47	0 15	19 2	1 38	12 54	17 9	8 2	7 27	18 44	4 11	4 37
M25	23 6	13 9	1 40	21 11	1 43	18 45	1 44	26 43	3 29	11 53	1 11	13 32	2 18	23 47	0 15	19 2	1 38	12 55	17 10	8 3	7 28	18 44	4 11	4 37
T 26	23 1	9 25	0 25	21 26	1 34	18 23	1 44	26 41	3 29	11 56	1 11	13 32	2 18	23 47	0 15	19 2	1 38	12 55	17 10	8 4	7 29	18 45	4 10	4 37
W27	22 56	5 16	0s49	21 41	1 25	18 1	1 43	26 40	3 30	11 58	1 11	13 32	2 17	23 47	0 15	19 2	1 38	12 56	17 11	8 4	7 31	18 45	4 9	4 36
T 28	22 50	1 0	1 58	21 55	1 16	17 38	1 42	26 39	3 30	12 1	1 11	13 31	2 17	23 47	0 15	19 2	1 38	12 56	17 12	8 3	7 32	18 45	4 9	4 36
F 29	22 43	3n11	2 59	22 9	1 7	17 15	1 41	26 38	3 30	12 3	1 11	13 31	2 17	23 47	0 15	19 1	1 38	12 57	17 12	8 3	7 33	18 45	4 8	4 36
S 30	22 36	7 7	3 49	22 22	0 58	16 51	1 40	26 37	3 30	12 6	1 11	13 31	2 16	23 47	0 15	19 1	1 38	12 57	17 13	8 3	7 34	18 45	4 7	4 36
S 31	22s29	10n38	4s27	22s35	0n49	16s27	1s39	26n35	3n29	12s 8	1n12	13n31	2s16	23s47	0s15	19n 1	1s38	12n58	17n13	8n 4	7n35	18n45	4s 7	4n35

Julian Day Number = 2172110.5, Delta T = 12m13s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'17, Lahiri = 13°11'17 Julian Calendar 1 Dec. 1234 == Greg. Calendar 8 Dec. 1234

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

JANUARY 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 8 39	17♑45'48	22♉ 8	25♐ 3	21♒13	19°R11	5♏12	12°R36	0♑55	1°R52	7♎ 6	9°R19	10♍38	6♋19	8♓41	M 1
T 2	7 12 36	18°46'52	4♊ 8	26°19	22°27	18♊58	5°20	12♉36	0°58	1♊50	7°R 6	9♍12	10°35	6°25	8°43	T 2
W 3	7 16 32	19°47'56	16° 3	27°36	23°40	18°46	5°27	12°35	1° 2	1°49	7° 6	9° 3	10°31	6°32	8°46	W 3
T 4	7 20 29	20°48'59	27°55	28°55	24°54	18°35	5°34	12°35	1° 5	1°48	7° 6	8°53	10°28	6°39	8°49	T 4
F 5	7 24 25	21°50'01	9♋46	0♑15	26° 7	18°25	5°41	12°34	1° 8	1°47	7° 6	8°43	10°25	6°46	8°52	F 5
S 6	7 28 22	22°51'02	21°39	1°36	27°20	18°15	5°48	12°34	1°12	1°47	7° 6	8°34	10°22	6°52	8°54	S 6
S 7	7 32 19	23°52'02	3♌34	2°59	28°34	18° 6	5°55	12°D34	1°15	1°46	7° 6	8°27	10°19	6°59	8°57	S 7
M 8	7 36 15	24°53'02	15°33	4°22	29°47	17°58	6° 2	12°34	1°19	1°45	7° 6	8°22	10°16	7° 6	9° 0	M 8
T 9	7 40 12	25°54'00	27°38	5°46	1♓ 0	17°51	6° 8	12°35	1°22	1°44	7° 6	8°20	10°12	7°12	9° 3	T 9
W10	7 44 8	26°54'58	9♍51	7°12	2°13	17°45	6°15	12°35	1°25	1°43	7° 5	8°D19	10° 9	7°19	9° 6	W10
T 11	7 48 5	27°55'55	22°16	8°38	3°26	17°39	6°21	12°35	1°29	1°42	7° 5	8°20	10° 6	7°26	9° 9	T 11
F 12	7 52 1	28°56'51	4♎54	10° 5	4°39	17°35	6°27	12°36	1°32	1°41	7° 5	8°21	10° 3	7°32	9°12	F 12
S 13	7 55 58	29°57'46	17°50	11°33	5°52	17°31	6°33	12°37	1°35	1°41	7° 4	8°23	10° 0	7°39	9°15	S 13
S 14	7 59 54	0♒58'41	1♏ 8	13° 1	7° 4	17°28	6°39	12°37	1°38	1°40	7° 4	8°R23	9°57	7°46	9°18	S 14
M15	8 3 51	1°59'34	14°49	14°31	8°17	17°25	6°45	12°38	1°42	1°39	7° 4	8°23	9°53	7°53	9°21	M15
T 16	8 7 48	3° 0'27	28°55	16° 1	9°30	17°24	6°50	12°39	1°45	1°39	7° 3	8°20	9°50	7°59	9°25	T 16
W17	8 11 44	4° 1'19	13♐25	17°32	10°42	17°23	6°55	12°40	1°48	1°38	7° 3	8°16	9°47	8° 6	9°28	W17
T 18	8 15 41	5° 2'10	28°16	19° 4	11°55	17°D23	7° 1	12°42	1°51	1°38	7° 2	8°12	9°44	8°13	9°31	T 18
F 19	8 19 37	6° 3'00	13♑20	20°37	13° 7	17°24	7° 6	12°43	1°54	1°37	7° 2	8° 7	9°41	8°19	9°34	F 19
S 20	8 23 34	7° 3'49	28°29	22°10	14°20	17°25	7°10	12°44	1°58	1°36	7° 1	8° 2	9°37	8°26	9°38	S 20
S 21	8 27 30	8° 4'37	13♒32	23°44	15°32	17°27	7°15	12°46	2° 1	1°36	7° 0	7°59	9°34	8°33	9°41	S 21
M22	8 31 27	9° 5'23	28°21	25°19	16°44	17°30	7°20	12°48	2° 4	1°36	7° 0	7°57	9°31	8°40	9°44	M22
T 23	8 35 24	10° 6'08	12♓48	26°55	17°56	17°34	7°24	12°49	2° 7	1°35	6°59	7°D57	9°28	8°46	9°48	T 23
W24	8 39 20	11° 6'51	26°49	28°32	19° 8	17°38	7°28	12°51	2°10	1°35	6°58	7°58	9°25	8°53	9°51	W24
T 25	8 43 17	12° 7'32	10♈23	0♒ 9	20°20	17°43	7°32	12°53	2°13	1°34	6°57	7°59	9°22	9° 0	9°54	T 25
F 26	8 47 13	13° 8'12	23°31	1°47	21°32	17°49	7°36	12°55	2°16	1°34	6°57	8° 1	9°18	9° 6	9°58	F 26
S 27	8 51 10	14° 8'50	6♉15	3°27	22°44	17°55	7°39	12°58	2°19	1°34	6°56	8° 2	9°15	9°13	10° 1	S 27
S 28	8 55 6	15° 9'26	18°39	5° 7	23°55	18° 2	7°43	13° 0	2°21	1°34	6°55	8°R 2	9°12	9°20	10° 5	S 28
M29	8 59 3	16°10'00	0♊49	6°47	25° 7	18°10	7°46	13° 2	2°24	1°33	6°54	8° 1	9° 9	9°26	10° 8	M29
T 30	9 2 59	17°10'33	12°48	8°29	26°18	18°18	7°49	13° 5	2°27	1°33	6°53	8° 0	9° 6	9°33	10°12	T 30
W31	9 6 56	18♒11'03	24♊41	10♒12	27♓30	18♊27	7♏52	13♉ 8	2♑30	1♊33	6♎52	7♍57	9♍ 3	9♋40	10♓15	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s21	13n39	4s53	22s47	0n40	16s 2	1s38	26n34	3n29	12s11	1n12	13n32	2s16	23s47	0s15	19n 1	1s38	12n58	17n14	8n 6	7n37	18n45	4s 6	4n35
T 2	22 13	16 3	5 5	22 58	0 31	15 37	1 37	26 33	3 29	12 13	1 12	13 32	2 16	23 47	0 15	19 1	1 38	12 59	17 15	8 9	7 38	18 45	4 5	4 35
W 3	22 4	17 46	5 4	23 8	0 23	15 11	1 36	26 31	3 29	12 16	1 12	13 32	2 15	23 47	0 15	19 1	1 38	12 59	17 15	8 13	7 39	18 45	4 4	4 35
T 4	21 55	18 41	4 50	23 18	0 14	14 45	1 34	26 30	3 28	12 18	1 12	13 32	2 15	23 47	0 15	19 0	1 38	13 0	17 16	8 16	7 40	18 45	4 3	4 34
F 5	21 45	18 48	4 23	23 26	0 6	14 19	1 33	26 29	3 28	12 20	1 12	13 32	2 15	23 47	0 15	19 0	1 38	13 0	17 16	8 20	7 41	18 45	4 3	4 34
S 6	21 35	18 5	3 45	23 34	0s 2	13 52	1 31	26 27	3 27	12 22	1 13	13 32	2 14	23 47	0 15	19 0	1 38	13 1	17 17	8 23	7 43	18 45	4 2	4 34
S 7	21 25	16 34	2 57	23 40	0 10	13 25	1 30	26 26	3 27	12 24	1 13	13 33	2 14	23 47	0 15	19 0	1 38	13 1	17 17	8 26	7 44	18 45	4 1	4 34
M 8	21 14	14 19	2 0	23 46	0 18	12 58	1 28	26 25	3 26	12 26	1 13	13 33	2 14	23 47	0 15	19 0	1 38	13 2	17 18	8 28	7 45	18 45	4 0	4 33
T 9	21 3	11 26	0 58	23 50	0 25	12 30	1 26	26 24	3 26	12 28	1 13	13 33	2 13	23 47	0 15	19 0	1 38	13 3	17 19	8 29	7 46	18 46	3 59	4 33
W10	20 52	8 2	0n 8	23 53	0 33	12 2	1 24	26 22	3 25	12 30	1 13	13 34	2 13	23 47	0 15	19 0	1 38	13 3	17 19	8 29	7 47	18 46	3 58	4 33
T 11	20 40	4 14	1 15	23 55	0 40	11 34	1 22	26 21	3 24	12 32	1 13	13 34	2 13	23 47	0 15	19 0	1 38	13 4	17 20	8 29	7 49	18 46	3 57	4 33
F 12	20 27	0 11	2 20	23 56	0 47	11 5	1 20	26 20	3 24	12 34	1 14	13 35	2 13	23 47	0 15	18 59	1 38	13 5	17 20	8 28	7 50	18 46	3 56	4 33
S 13	20 14	3s58	3 19	23 55	0 53	10 36	1 18	26 19	3 23	12 36	1 14	13 35	2 12	23 47	0 15	18 59	1 37	13 5	17 21	8 28	7 51	18 46	3 56	4 32
S 14	20 1	8 2	4 8	23 53	1 0	10 7	1 16	26 18	3 22	12 38	1 14	13 36	2 12	23 47	0 15	18 59	1 37	13 6	17 21	8 27	7 52	18 46	3 55	4 32
M15	19 48	11 47	4 46	23 50	1 6	9 38	1 14	26 17	3 21	12 39	1 14	13 36	2 12	23 47	0 15	18 59	1 37	13 7	17 22	8 28	7 54	18 46	3 54	4 32
T 16	19 34	15 0	5 8	23 45	1 12	9 8	1 11	26 16	3 20	12 41	1 14	13 37	2 11	23 47	0 15	18 59	1 37	13 7	17 22	8 29	7 55	18 46	3 53	4 32
W17	19 20	17 22	5 11	23 40	1 17	8 39	1 9	26 15	3 19	12 42	1 14	13 37	2 11	23 47	0 15	18 59	1 37	13 8	17 23	8 30	7 56	18 46	3 52	4 31
T 18	19 5	18 38	4 53	23 32	1 23	8 9	1 6	26 14	3 19	12 44	1 15	13 38	2 11	23 47	0 15	18 59	1 37	13 9	17 24	8 32	7 57	18 46	3 51	4 31
F 19	18 50	18 38	4 15	23 24	1 28	7 38	1 4	26 13	3 18	12 45	1 15	13 39	2 10	23 47	0 15	18 59	1 37	13 9	17 24	8 34	7 58	18 46	3 50	4 31
S 20	18 35	17 18	3 19	23 14	1 33	7 8	1 1	26 12	3 17	12 47	1 15	13 39	2 10	23 47	0 15	18 59	1 37	13 10	17 25	8 35	8 0	18 46	3 48	4 31
S 21	18 19	14 45	2 10	23 2	1 37	6 37	0 58	26 11	3 16	12 48	1 15	13 40	2 10	23 47	0 15	18 59	1 37	13 11	17 25	8 37	8 1	18 46	3 47	4 31
M22	18 3	11 17	0 52	22 49	1 41	6 7	0 56	26 11	3 15	12 49	1 15	13 41	2 10	23 47	0 15	18 59	1 37	13 11	17 26	8 37	8 2	18 46	3 46	4 31
T 23	17 47	7 11	0s27	22 35	1 45	5 36	0 53	26 10	3 14	12 51	1 16	13 42	2 9	23 47	0 15	18 59	1 37	13 12	17 26	8 37	8 3	18 46	3 45	4 30
W24	17 31	2 50	1 42	22 19	1 49	5 5	0 50	26 9	3 13	12 52	1 16	13 43	2 9	23 46	0 15	18 59	1 37	13 13	17 27	8 37	8 4	18 46	3 44	4 30
T 25	17 14	1n32	2 49	22 2	1 52	4 33	0 47	26 9	3 12	12 53	1 16	13 44	2 9	23 46	0 15	18 59	1 37	13 14	17 27	8 36	8 6	18 46	3 43	4 30
F 26	16 57	5 41	3 45	21 43	1 55	4 2	0 44	26 8	3 11	12 54	1 16	13 44	2 8	23 46	0 15	18 59	1 37	13 14	17 28	8 36	8 7	18 46	3 42	4 30
S 27	16 39	9 26	4 28	21 22	1 58	3 31	0 40	26 8	3 10	12 55	1 16	13 45	2 8	23 46	0 15	18 59	1 37	13 15	17 28	8 35	8 8	18 46	3 41	4 30
S 28	16 21	12 41	4 57	21 0	2 0	3 0	0 37	26 7	3 8	12 56	1 17	13 46	2 8	23 46	0 15	18 59	1 37	13 16	17 29	8 35	8 9	18 46	3 40	4 30
M29	16 3	15 18	5 12	20 37	2 2	2 28	0 34	26 7	3 7	12 57	1 17	13 47	2 8	23 46	0 15	18 59	1 37	13 17	17 29	8 36	8 10	18 46	3 38	4 29
T 30	15 45	17 14	5 14	20 12	2 3	1 56	0 31	26 7	3 6	12 58	1 17	13 48	2 7	23 46	0 15	18 59	1 36	13 18	17 30	8 36	8 12	18 46	3 37	4 29
W31	15s26	18n24	5s 2	19s45	2s 4	1s25	0s27	26n 6	3n 5	12s58	1n17	13n50	2s 7	23s46	0s15	18n59	1s36	13n18	17n30	8n37	8n13	18n46	3s36	4n29

Julian Day Number = 2172141.5, Delta T = 12m13s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'21, Lahiri = 13°11'22 Julian Calendar 1 Jan. 1235 == Greg. Calendar 8 Jan. 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

FEBRUARY 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 52	19♒11'32	6♋31	11♒55	28♓41	18♊37	7♏55	13♉10	2♑33	1°R33	6°R51	7°R54	8♍59	9♋47	10♓19	T 1
F 2	9 14 49	20°12'00	18°23	13°40	29°52	18°47	7°58	13°13	2°35	1♊33	6♎50	7♍51	8°56	9°53	10°22	F 2
S 3	9 18 46	21°12'25	0♌18	15°25	1♈ 3	18°57	8° 0	13°16	2°38	1°33	6°49	7°48	8°53	10° 0	10°26	S 3
S 4	9 22 42	22°12'48	12°19	17°12	2°14	19° 9	8° 2	13°19	2°41	1°D33	6°48	7°46	8°50	10° 7	10°30	S 4
M 5	9 26 39	23°13'10	24°28	18°59	3°25	19°20	8° 4	13°22	2°43	1°33	6°47	7°45	8°47	10°13	10°33	M 5
T 6	9 30 35	24°13'30	6♍47	20°47	4°35	19°33	8° 6	13°26	2°46	1°33	6°46	7°D44	8°43	10°20	10°37	T 6
W 7	9 34 32	25°13'49	19°16	22°36	5°46	19°45	8° 8	13°29	2°48	1°33	6°45	7°45	8°40	10°27	10°40	W 7
T 8	9 38 28	26°14'05	1♎57	24°27	6°56	19°59	8° 9	13°32	2°51	1°33	6°44	7°45	8°37	10°34	10°44	T 8
F 9	9 42 25	27°14'20	14°51	26°18	8° 6	20°13	8°10	13°36	2°53	1°33	6°43	7°46	8°34	10°40	10°48	F 9
S 10	9 46 21	28°14'34	27°59	28°10	9°17	20°27	8°11	13°40	2°56	1°33	6°41	7°47	8°31	10°47	10°51	S 10
S 11	9 50 18	29°14'45	11♏23	0♓ 3	10°27	20°42	8°12	13°43	2°58	1°34	6°40	7°48	8°28	10°54	10°55	S 11
M12	9 54 15	0♓14'56	25° 4	1°57	11°36	20°57	8°13	13°47	3° 0	1°34	6°39	7°R48	8°24	11° 0	10°59	M12
T 13	9 58 11	1°15'05	9♐ 2	3°51	12°46	21°13	8°14	13°51	3° 3	1°34	6°38	7°48	8°21	11° 7	11° 3	T 13
W14	10 2 8	2°15'12	23°16	5°46	13°56	21°29	8°14	13°55	3° 5	1°35	6°36	7°48	8°18	11°14	11° 6	W14
T 15	10 6 4	3°15'18	7♑45	7°42	15° 5	21°46	8°R14	13°59	3° 7	1°35	6°35	7°48	8°15	11°20	11°10	T 15
F 16	10 10 1	4°15'22	22°23	9°39	16°14	22° 3	8°14	14° 4	3° 9	1°35	6°34	7°47	8°12	11°27	11°14	F 16
S 17	10 13 57	5°15'25	7♒ 6	11°35	17°24	22°20	8°14	14° 8	3°12	1°36	6°32	7°47	8° 9	11°34	11°17	S 17
S 18	10 17 54	6°15'25	21°48	13°32	18°33	22°38	8°13	14°12	3°14	1°36	6°31	7°47	8° 5	11°41	11°21	S 18
M19	10 21 50	7°15'24	6♓20	15°29	19°41	22°56	8°13	14°17	3°16	1°37	6°30	7°47	8° 2	11°47	11°25	M19
T 20	10 25 47	8°15'21	20°39	17°26	20°50	23°15	8°12	14°21	3°18	1°37	6°28	7°47	7°59	11°54	11°29	T 20
W21	10 29 44	9°15'15	4♈37	19°22	21°59	23°34	8°11	14°26	3°20	1°38	6°27	7°46	7°56	12° 1	11°32	W21
T 22	10 33 40	10°15'08	18°13	21°17	23° 7	23°54	8°10	14°31	3°22	1°38	6°25	7°46	7°53	12° 7	11°36	T 22
F 23	10 37 37	11°14'58	1♉25	23°11	24°15	24°14	8° 9	14°36	3°23	1°39	6°24	7°46	7°49	12°14	11°40	F 23
S 24	10 41 33	12°14'46	14°15	25° 3	25°23	24°34	8° 7	14°40	3°25	1°40	6°22	7°45	7°46	12°21	11°44	S 24
S 25	10 45 30	13°14'32	26°44	26°53	26°31	24°54	8° 5	14°45	3°27	1°40	6°21	7°45	7°43	12°27	11°47	S 25
M26	10 49 26	14°14'16	8♊58	28°41	27°38	25°15	8° 3	14°50	3°29	1°41	6°19	7°D45	7°40	12°34	11°51	M26
T 27	10 53 23	15°13'57	20°59	0♈26	28°46	25°36	8° 1	14°56	3°30	1°42	6°18	7°45	7°37	12°41	11°55	T 27
W28	10 57 19	16♓13'36	2♋52	2♈ 8	29♈53	25♊58	7♏59	15♉ 1	3♑32	1♊43	6♎16	7♍45	7♍34	12♋47	11♓59	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 8	18n46	4s37	19s17	2s 5	0s53	0s24	26n 6	3n 4	12s59	1n17	13n51	2s 7	23s46	0s16	18n59	1s36	13n19	17n31	8n39	8n14	18n46	3s35	4n29
F 2	14 49	18 18	4 0	18 47	2 5	0 22	0 20	26 6	3 3	13 0	1 17	13 52	2 6	23 46	0 16	18 59	1 36	13 20	17 31	8 40	8 15	18 46	3 34	4 29
S 3	14 29	17 2	3 12	18 16	2 5	0n10	0 17	26 6	3 2	13 0	1 18	13 53	2 6	23 46	0 16	18 59	1 36	13 21	17 32	8 41	8 16	18 46	3 32	4 29
S 4	14 10	15 0	2 16	17 43	2 4	0 42	0 13	26 6	3 1	13 1	1 18	13 54	2 6	23 46	0 16	18 59	1 36	13 22	17 32	8 41	8 17	18 46	3 31	4 29
M 5	13 50	12 16	1 13	17 9	2 3	1 13	0 9	26 6	3 0	13 1	1 18	13 55	2 6	23 46	0 16	18 59	1 36	13 22	17 32	8 42	8 19	18 46	3 30	4 28
T 6	13 30	8 59	0 5	16 33	2 2	1 45	0 6	26 5	2 59	13 2	1 18	13 57	2 5	23 46	0 16	18 59	1 36	13 23	17 33	8 42	8 20	18 46	3 29	4 28
W 7	13 10	5 14	1n 3	15 55	2 0	2 16	0 2	26 5	2 58	13 2	1 18	13 58	2 5	23 46	0 16	18 59	1 36	13 24	17 33	8 42	8 21	18 46	3 27	4 28
T 8	12 49	1 13	2 10	15 16	1 57	2 48	0n 2	26 5	2 57	13 3	1 19	13 59	2 5	23 46	0 16	18 59	1 36	13 25	17 34	8 42	8 22	18 45	3 26	4 28
F 9	12 29	2s56	3 12	14 35	1 54	3 19	0 6	26 5	2 55	13 3	1 19	14 0	2 4	23 46	0 16	18 59	1 36	13 26	17 34	8 41	8 23	18 45	3 25	4 28
S 10	12 8	7 0	4 4	13 53	1 50	3 51	0 10	26 5	2 54	13 3	1 19	14 2	2 4	23 46	0 16	19 0	1 36	13 27	17 34	8 41	8 25	18 45	3 24	4 28
S 11	11 47	10 48	4 44	13 9	1 46	4 22	0 14	26 5	2 53	13 3	1 19	14 3	2 4	23 46	0 16	19 0	1 36	13 27	17 35	8 41	8 26	18 45	3 22	4 28
M12	11 26	14 6	5 10	12 24	1 41	4 53	0 18	26 5	2 52	13 3	1 19	14 5	2 4	23 46	0 16	19 0	1 36	13 28	17 35	8 41	8 27	18 45	3 21	4 28
T 13	11 4	16 40	5 17	11 38	1 36	5 24	0 22	26 5	2 51	13 3	1 20	14 6	2 3	23 46	0 16	19 0	1 36	13 29	17 36	8 41	8 28	18 45	3 20	4 28
W14	10 43	18 16	5 6	10 50	1 30	5 55	0 26	26 5	2 50	13 3	1 20	14 7	2 3	23 46	0 16	19 0	1 36	13 30	17 36	8 41	8 29	18 45	3 18	4 27
T 15	10 21	18 44	4 35	10 0	1 24	6 26	0 30	26 5	2 49	13 3	1 20	14 9	2 3	23 46	0 16	19 0	1 36	13 31	17 36	8 41	8 31	18 45	3 17	4 27
F 16	9 59	17 57	3 46	9 10	1 17	6 57	0 34	26 5	2 48	13 3	1 20	14 10	2 3	23 46	0 16	19 0	1 35	13 32	17 37	8 41	8 32	18 45	3 16	4 27
S 17	9 37	15 57	2 42	8 18	1 9	7 27	0 39	26 5	2 47	13 2	1 20	14 12	2 2	23 46	0 16	19 0	1 35	13 32	17 37	8 41	8 33	18 45	3 14	4 27
S 18	9 15	12 55	1 28	7 26	1 1	7 57	0 43	26 5	2 46	13 2	1 20	14 13	2 2	23 46	0 16	19 1	1 35	13 33	17 37	8 41	8 34	18 45	3 13	4 27
M19	8 53	9 6	0 8	6 32	0 52	8 28	0 47	26 5	2 45	13 2	1 21	14 15	2 2	23 46	0 16	19 1	1 35	13 34	17 38	8 41	8 35	18 45	3 12	4 27
T 20	8 30	4 48	1s11	5 38	0 42	8 58	0 51	26 5	2 43	13 1	1 21	14 17	2 2	23 46	0 16	19 1	1 35	13 35	17 38	8 41	8 37	18 45	3 10	4 27
W21	8 8	0 21	2 24	4 43	0 32	9 27	0 56	26 5	2 42	13 1	1 21	14 18	2 1	23 46	0 16	19 1	1 35	13 36	17 38	8 41	8 38	18 45	3 9	4 27
T 22	7 45	4n 0	3 26	3 48	0 22	9 57	1 0	26 5	2 41	13 0	1 21	14 20	2 1	23 46	0 16	19 1	1 35	13 37	17 39	8 41	8 39	18 44	3 8	4 27
F 23	7 23	8 1	4 16	2 53	0 10	10 26	1 4	26 5	2 40	13 0	1 21	14 21	2 1	23 45	0 16	19 1	1 35	13 37	17 39	8 41	8 40	18 44	3 6	4 27
S 24	7 0	11 33	4 51	1 57	0n 1	10 55	1 9	26 5	2 39	12 59	1 22	14 23	2 1	23 45	0 16	19 2	1 35	13 38	17 39	8 42	8 41	18 44	3 5	4 27
S 25	6 37	14 27	5 12	1 3	0 13	11 24	1 13	26 4	2 38	12 58	1 22	14 25	2 0	23 45	0 16	19 2	1 35	13 39	17 39	8 42	8 43	18 44	3 4	4 27
M26	6 14	16 39	5 17	0 8	0 25	11 53	1 18	26 4	2 37	12 58	1 22	14 27	2 0	23 45	0 16	19 2	1 35	13 40	17 40	8 42	8 44	18 44	3 2	4 27
T 27	5 51	18 5	5 9	0n45	0 38	12 21	1 22	26 4	2 36	12 57	1 22	14 28	2 0	23 45	0 16	19 2	1 35	13 41	17 40	8 42	8 45	18 44	3 1	4 27
W28	5s27	18n43	4s47	1n37	0n51	12n49	1n26	26n 4	2n35	12s56	1n22	14n30	2s 0	23s45	0s16	19n 2	1s35	13n41	17n40	8n42	8n46	18n44	2s59	4n27

Julian Day Number = 2172172.5, Delta T = 12m13s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'25, Lahiri = 13°11'26 Julian Calendar 1 Feb. 1235 == Greg. Calendar 8 Feb. 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

MARCH 1235 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 16	17♓13'13	14♋43	3♈45	1♉ 0	26♊20	7°R56	15♉ 6	3♑34	1♊44	6°R15	7♍46	7♍30	12♋54	12♓ 2	T 1
F 2	11 5 13	18°12'48	26°35	5°19	2° 7	26°42	7♏54	15°12	3°35	1°45	6♎13	7°47	7°27	13° 1	12° 6	F 2
S 3	11 9 9	19°12'20	8♌33	6°47	3°13	27° 4	7°51	15°17	3°37	1°45	6°12	7°48	7°24	13° 8	12°10	S 3
S 4	11 13 6	20°11'50	20°41	8°11	4°20	27°27	7°48	15°22	3°38	1°46	6°10	7°49	7°21	13°14	12°14	S 4
M 5	11 17 2	21°11'18	3♍ 0	9°28	5°26	27°50	7°45	15°28	3°40	1°47	6° 8	7°R50	7°18	13°21	12°17	M 5
T 6	11 20 59	22°10'43	15°33	10°40	6°32	28°14	7°41	15°34	3°41	1°48	6° 7	7°49	7°14	13°28	12°21	T 6
W 7	11 24 55	23°10'07	28°21	11°45	7°37	28°37	7°38	15°39	3°42	1°49	6° 5	7°49	7°11	13°34	12°25	W 7
T 8	11 28 52	24° 9'28	11♎25	12°44	8°43	29° 1	7°34	15°45	3°44	1°50	6° 4	7°47	7° 8	13°41	12°28	T 8
F 9	11 32 48	25° 8'47	24°43	13°36	9°48	29°25	7°30	15°51	3°45	1°51	6° 2	7°45	7° 5	13°48	12°32	F 9
S 10	11 36 45	26° 8'05	8♏14	14°21	10°53	29°49	7°26	15°57	3°46	1°53	6° 0	7°42	7° 2	13°54	12°36	S 10
S 11	11 40 41	27° 7'20	21°57	14°59	11°57	0♋14	7°22	16° 3	3°47	1°54	5°59	7°40	6°59	14° 1	12°39	S 11
M12	11 44 38	28° 6'34	5♐51	15°29	13° 2	0°39	7°18	16° 9	3°48	1°55	5°57	7°38	6°55	14° 8	12°43	M12
T 13	11 48 35	29° 5'46	19°53	15°52	14° 6	1° 4	7°13	16°15	3°49	1°56	5°55	7°36	6°52	14°15	12°47	T 13
W14	11 52 31	0♈ 4'57	4♑ 2	16° 8	15° 9	1°29	7° 9	16°21	3°50	1°57	5°54	7°D36	6°49	14°21	12°50	W14
T 15	11 56 28	1° 4'05	18°15	16°17	16°13	1°55	7° 4	16°28	3°51	1°59	5°52	7°37	6°46	14°28	12°54	T 15
F 16	12 0 24	2° 3'12	2♒31	16°R18	17°16	2°21	6°59	16°34	3°52	2° 0	5°50	7°38	6°43	14°35	12°58	F 16
S 17	12 4 21	3° 2'17	16°47	16°12	18°19	2°47	6°54	16°40	3°53	2° 1	5°49	7°40	6°40	14°41	13° 1	S 17
S 18	12 8 17	4° 1'20	1♓ 0	16° 0	19°21	3°13	6°48	16°47	3°53	2° 3	5°47	7°R41	6°36	14°48	13° 5	S 18
M19	12 12 14	5° 0'21	15° 7	15°42	20°24	3°39	6°43	16°53	3°54	2° 4	5°45	7°41	6°33	14°55	13° 8	M19
T 20	12 16 10	5°59'20	29° 3	15°18	21°26	4° 6	6°38	17° 0	3°55	2° 5	5°44	7°39	6°30	15° 1	13°12	T 20
W21	12 20 7	6°58'17	12♈45	14°48	22°27	4°33	6°32	17° 6	3°55	2° 7	5°42	7°36	6°27	15° 8	13°15	W21
T 22	12 24 4	7°57'12	26°10	14°15	23°28	5° 0	6°26	17°13	3°56	2° 8	5°40	7°32	6°24	15°15	13°19	T 22
F 23	12 28 0	8°56'05	9♉17	13°37	24°29	5°27	6°20	17°20	3°56	2°10	5°39	7°27	6°20	15°21	13°22	F 23
S 24	12 31 57	9°54'56	22° 5	12°56	25°30	5°55	6°14	17°26	3°57	2°11	5°37	7°22	6°17	15°28	13°26	S 24
S 25	12 35 53	10°53'44	4♊35	12°13	26°30	6°22	6° 8	17°33	3°57	2°13	5°35	7°17	6°14	15°35	13°29	S 25
M26	12 39 50	11°52'31	16°50	11°29	27°29	6°50	6° 1	17°40	3°58	2°14	5°34	7°13	6°11	15°42	13°32	M26
T 27	12 43 46	12°51'15	28°52	10°44	28°29	7°18	5°55	17°47	3°58	2°16	5°32	7°10	6° 8	15°48	13°36	T 27
W28	12 47 43	13°49'57	10♋46	9°59	29°27	7°46	5°49	17°54	3°58	2°17	5°30	7°D 9	6° 5	15°55	13°39	W28
T 29	12 51 39	14°48'36	22°37	9°16	0♊26	8°15	5°42	18° 1	3°58	2°19	5°29	7° 9	6° 1	16° 2	13°43	T 29
F 30	12 55 36	15°47'14	4♌29	8°35	1°24	8°43	5°35	18° 8	3°59	2°21	5°27	7°10	5°58	16° 8	13°46	F 30
S 31	12 59 33	16♈45'49	16♌29	7♈56	2♊21	9♋12	5♏28	18♉15	3♑59	2♊22	5♎25	7♍12	5♍55	16♋15	13♓49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 4	18n31	4s14	2n28	1n 4	13n17	1n31	26n 3	2n34	12s55	1n22	14n32	1s59	23s45	0s16	19n 3	1s35	13n42	17n40	8n41	8n47	18n44	2s58	4n27
F 2	4 41	17 30	3 29	3 17	1 16	13 45	1 35	26 3	2 33	12 54	1 23	14 34	1 59	23 45	0 16	19 3	1 35	13 43	17 41	8 41	8 48	18 44	2 57	4 26
S 3	4 17	15 42	2 35	4 4	1 29	14 12	1 40	26 2	2 32	12 53	1 23	14 35	1 59	23 45	0 16	19 3	1 35	13 44	17 41	8 41	8 50	18 43	2 55	4 26
S 4	3 54	13 11	1 34	4 49	1 42	14 39	1 44	26 2	2 31	12 52	1 23	14 37	1 59	23 45	0 16	19 3	1 34	13 45	17 41	8 40	8 51	18 43	2 54	4 26
M 5	3 30	10 2	0 27	5 31	1 54	15 5	1 48	26 1	2 30	12 51	1 23	14 39	1 58	23 45	0 16	19 4	1 34	13 45	17 41	8 40	8 52	18 43	2 52	4 26
T 6	3 7	6 22	0n43	6 10	2 6	15 31	1 53	26 1	2 29	12 49	1 23	14 41	1 58	23 45	0 16	19 4	1 34	13 46	17 41	8 40	8 53	18 43	2 51	4 26
W 7	2 43	2 21	1 51	6 47	2 18	15 57	1 57	26 0	2 28	12 48	1 23	14 43	1 58	23 45	0 16	19 4	1 34	13 47	17 41	8 40	8 54	18 43	2 50	4 26
T 8	2 20	1s51	2 55	7 20	2 28	16 23	2 1	25 59	2 27	12 47	1 23	14 45	1 58	23 45	0 16	19 4	1 34	13 48	17 42	8 41	8 56	18 43	2 48	4 26
F 9	1 56	6 2	3 51	7 49	2 39	16 48	2 6	25 58	2 26	12 45	1 24	14 46	1 58	23 45	0 16	19 5	1 34	13 49	17 42	8 42	8 57	18 43	2 47	4 26
S 10	1 33	9 58	4 35	8 15	2 48	17 13	2 10	25 57	2 25	12 44	1 24	14 48	1 57	23 45	0 16	19 5	1 34	13 49	17 42	8 43	8 58	18 43	2 45	4 26
S 11	1 9	13 26	5 3	8 38	2 56	17 37	2 14	25 56	2 24	12 42	1 24	14 50	1 57	23 45	0 16	19 5	1 34	13 50	17 42	8 44	8 59	18 42	2 44	4 26
M12	0 45	16 12	5 15	8 56	3 3	18 1	2 19	25 55	2 23	12 41	1 24	14 52	1 57	23 45	0 16	19 6	1 34	13 51	17 42	8 45	9 0	18 42	2 43	4 26
T 13	0 22	18 2	5 8	9 11	3 10	18 24	2 23	25 54	2 22	12 39	1 24	14 54	1 57	23 45	0 16	19 6	1 34	13 52	17 42	8 45	9 1	18 42	2 41	4 26
W14	0n 2	18 46	4 42	9 22	3 15	18 47	2 27	25 53	2 21	12 38	1 24	14 56	1 57	23 45	0 16	19 6	1 34	13 52	17 42	8 45	9 3	18 42	2 40	4 26
T 15	0 26	18 20	3 59	9 28	3 18	19 10	2 31	25 52	2 21	12 36	1 24	14 58	1 56	23 45	0 16	19 6	1 34	13 53	17 42	8 45	9 4	18 42	2 38	4 26
F 16	0 49	16 44	3 2	9 31	3 20	19 32	2 35	25 51	2 20	12 34	1 24	15 0	1 56	23 45	0 16	19 7	1 34	13 54	17 42	8 44	9 5	18 42	2 37	4 26
S 17	1 13	14 5	1 52	9 29	3 21	19 54	2 39	25 49	2 19	12 32	1 25	15 2	1 56	23 45	0 16	19 7	1 34	13 54	17 43	8 44	9 6	18 41	2 36	4 27
S 18	1 36	10 35	0 37	9 24	3 20	20 16	2 44	25 48	2 18	12 31	1 25	15 4	1 56	23 45	0 16	19 7	1 34	13 55	17 43	8 43	9 7	18 41	2 34	4 27
M19	2 0	6 31	0s41	9 15	3 18	20 36	2 48	25 46	2 17	12 29	1 25	15 6	1 56	23 45	0 16	19 8	1 34	13 56	17 43	8 43	9 9	18 41	2 33	4 27
T 20	2 23	2 8	1 55	9 2	3 14	20 57	2 51	25 44	2 16	12 27	1 25	15 8	1 55	23 45	0 16	19 8	1 34	13 57	17 43	8 44	9 10	18 41	2 32	4 27
W21	2 47	2n17	3 0	8 45	3 8	21 17	2 55	25 42	2 15	12 25	1 25	15 10	1 55	23 45	0 17	19 8	1 34	13 57	17 43	8 45	9 11	18 41	2 30	4 27
T 22	3 10	6 30	3 55	8 25	3 1	21 36	2 59	25 41	2 14	12 23	1 25	15 12	1 55	23 45	0 17	19 9	1 34	13 58	17 43	8 47	9 12	18 40	2 29	4 27
F 23	3 33	10 18	4 35	8 2	2 53	21 55	3 3	25 39	2 13	12 21	1 25	15 14	1 55	23 45	0 17	19 9	1 33	13 59	17 43	8 49	9 13	18 40	2 27	4 27
S 24	3 57	13 31	5 1	7 37	2 42	22 14	3 7	25 36	2 12	12 19	1 25	15 16	1 55	23 45	0 17	19 9	1 33	13 59	17 43	8 51	9 14	18 40	2 26	4 27
S 25	4 20	16 2	5 12	7 10	2 31	22 32	3 10	25 34	2 11	12 17	1 25	15 18	1 55	23 45	0 17	19 10	1 33	14 0	17 43	8 52	9 16	18 40	2 25	4 27
M26	4 43	17 47	5 8	6 40	2 18	22 49	3 14	25 32	2 11	12 14	1 25	15 20	1 54	23 45	0 17	19 10	1 33	14 0	17 43	8 54	9 17	18 40	2 23	4 27
T 27	5 6	18 42	4 50	6 10	2 4	23 6	3 17	25 30	2 10	12 12	1 25	15 22	1 54	23 45	0 17	19 10	1 33	14 1	17 42	8 55	9 18	18 40	2 22	4 27
W28	5 29	18 47	4 20	5 39	1 49	23 23	3 21	25 27	2 9	12 10	1 25	15 25	1 54	23 45	0 17	19 11	1 33	14 2	17 42	8 55	9 19	18 39	2 21	4 27
T 29	5 52	18 2	3 39	5 8	1 34	23 39	3 24	25 24	2 8	12 8	1 26	15 27	1 54	23 45	0 17	19 11	1 33	14 2	17 42	8 55	9 20	18 39	2 19	4 27
F 30	6 14	16 29	2 49	4 36	1 18	23 54	3 27	25 22	2 7	12 6	1 26	15 29	1 54	23 45	0 17	19 12	1 33	14 3	17 42	8 55	9 22	18 39	2 18	4 27
S 31	6n37	14n12	1s50	4n 6	1n 1	24n 9	3n30	25n19	2n 6	12s 3	1n26	15n31	1s54	23s45	0s17	19n12	1s33	14n 3	17n42	8n54	9n23	18n39	2s17	4n27

Julian Day Number = 2172200.5, Delta T = 12m13s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'29, Lahiri = 13°11'30 Julian Calendar 1 March 1235 == Greg. Calendar 8 March 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

APRIL 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 3 29	17♈44'22	28♌40	7°R20	3♊18	9♋41	5°R21	18♉22	3°R59	2♊24	5°R24	7♍13	5♍52	16♋22	13♓52	S 1
M 2	13 7 26	18°42'52	11♍ 6	6♈48	4°14	10° 9	5♏14	18°29	3♑59	2°26	5♎22	7°R13	5°49	16°28	13°56	M 2
T 3	13 11 22	19°41'21	23°51	6°20	5°10	10°39	5° 7	18°36	3°59	2°27	5°20	7°12	5°45	16°35	13°59	T 3
W 4	13 15 19	20°39'47	6♎56	5°56	6° 5	11° 8	5° 0	18°43	3°58	2°29	5°19	7° 9	5°42	16°42	14° 2	W 4
T 5	13 19 15	21°38'12	20°21	5°37	7° 0	11°37	4°53	18°51	3°58	2°31	5°17	7° 4	5°39	16°48	14° 5	T 5
F 6	13 23 12	22°36'34	4♏ 5	5°23	7°54	12° 7	4°46	18°58	3°58	2°33	5°16	6°57	5°36	16°55	14° 8	F 6
S 7	13 27 8	23°34'55	18° 4	5°14	8°48	12°36	4°38	19° 5	3°58	2°35	5°14	6°49	5°33	17° 2	14°11	S 7
S 8	13 31 5	24°33'14	2♐14	5°D10	9°41	13° 6	4°31	19°13	3°58	2°36	5°12	6°42	5°30	17° 9	14°14	S 8
M 9	13 35 1	25°31'32	16°30	5°11	10°33	13°36	4°24	19°20	3°57	2°38	5°11	6°36	5°26	17°15	14°17	M 9
T 10	13 38 58	26°29'48	0♑49	5°16	11°24	14° 6	4°16	19°27	3°57	2°40	5° 9	6°31	5°23	17°22	14°20	T 10
W11	13 42 55	27°28'02	15° 4	5°27	12°15	14°37	4° 9	19°35	3°56	2°42	5° 8	6°28	5°20	17°29	14°23	W11
T 12	13 46 51	28°26'15	29°15	5°42	13° 5	15° 7	4° 1	19°42	3°56	2°44	5° 6	6°D28	5°17	17°35	14°26	T 12
F 13	13 50 48	29°24'27	13♒20	6° 2	13°55	15°37	3°53	19°50	3°55	2°46	5° 5	6°28	5°14	17°42	14°29	F 13
S 14	13 54 44	0♉22'37	27°17	6°26	14°44	16° 8	3°46	19°57	3°55	2°48	5° 3	6°29	5°11	17°49	14°32	S 14
S 15	13 58 41	1°20'45	11♓ 6	6°55	15°31	16°39	3°38	20° 5	3°54	2°50	5° 2	6°R29	5° 7	17°55	14°35	S 15
M16	14 2 37	2°18'52	24°46	7°28	16°19	17°10	3°31	20°12	3°53	2°52	5° 0	6°28	5° 4	18° 2	14°38	M16
T 17	14 6 34	3°16'58	8♈16	8° 4	17° 5	17°40	3°23	20°20	3°53	2°54	4°59	6°24	5° 1	18° 9	14°40	T 17
W18	14 10 30	4°15'01	21°35	8°45	17°50	18°12	3°15	20°28	3°52	2°56	4°57	6°18	4°58	18°15	14°43	W18
T 19	14 14 27	5°13'04	4♉42	9°29	18°34	18°43	3° 8	20°35	3°51	2°58	4°56	6° 9	4°55	18°22	14°46	T 19
F 20	14 18 24	6°11'04	17°35	10°17	19°18	19°14	3° 0	20°43	3°50	3° 0	4°55	5°59	4°51	18°29	14°48	F 20
S 21	14 22 20	7° 9'03	0♊13	11° 8	20° 0	19°45	2°52	20°51	3°49	3° 2	4°53	5°48	4°48	18°35	14°51	S 21
S 22	14 26 17	8° 7'00	12°37	12° 3	20°42	20°17	2°45	20°58	3°48	3° 4	4°52	5°37	4°45	18°42	14°53	S 22
M23	14 30 13	9° 4'56	24°48	13° 0	21°22	20°49	2°37	21° 6	3°47	3° 6	4°51	5°28	4°42	18°49	14°56	M23
T 24	14 34 10	10° 2'50	6♋48	14° 1	22° 1	21°20	2°30	21°14	3°46	3° 8	4°49	5°21	4°39	18°55	14°58	T 24
W25	14 38 6	11° 0'42	18°41	15° 4	22°39	21°52	2°22	21°22	3°45	3°10	4°48	5°16	4°36	19° 2	15° 1	W25
T 26	14 42 3	11°58'32	0♌31	16°11	23°16	22°24	2°15	21°29	3°44	3°12	4°47	5°14	4°32	19° 9	15° 3	T 26
F 27	14 45 59	12°56'21	12°22	17°20	23°52	22°56	2° 7	21°37	3°43	3°14	4°46	5°D13	4°29	19°16	15° 6	F 27
S 28	14 49 56	13°54'07	24°21	18°32	24°26	23°28	2° 0	21°45	3°41	3°17	4°44	5°13	4°26	19°22	15° 8	S 28
S 29	14 53 53	14°51'52	6♍32	19°47	24°59	24° 1	1°52	21°53	3°40	3°19	4°43	5°R13	4°23	19°29	15°10	S 29
M30	14 57 49	15♉49'36	19♍ 0	21♈ 4	25♊30	24♋33	1♏45	22♉ 0	3♑39	3♊21	4♎42	5♍13	4♍20	19♋36	15♓12	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n59	11n16	0s46	3n36	0n45	24n23	3n33	25n16	2n 5	12s 1	1n26	15n33	1s53	23s45	0s17	19n12	1s33	14n 4	17n42	8n54	9n24	18n38	2s15	4n27
M 2	7 22	7 45	0n21	3 8	0 28	24 37	3 36	25 13	2 5	11 59	1 26	15 35	1 53	23 45	0 17	19 13	1 33	14 4	17 42	8 54	9 25	18 38	2 14	4 27
T 3	7 44	3 49	1 29	2 42	0 12	24 50	3 39	25 10	2 4	11 56	1 26	15 37	1 53	23 45	0 17	19 13	1 33	14 5	17 42	8 54	9 26	18 38	2 13	4 28
W 4	8 6	0s24	2 34	2 18	0s 5	25 3	3 42	25 7	2 3	11 54	1 26	15 39	1 53	23 45	0 17	19 13	1 33	14 5	17 42	8 55	9 27	18 38	2 11	4 28
T 5	8 28	4 43	3 32	1 56	0 21	25 15	3 45	25 3	2 2	11 51	1 26	15 41	1 53	23 45	0 17	19 14	1 33	14 6	17 42	8 57	9 29	18 38	2 10	4 28
F 6	8 50	8 52	4 19	1 36	0 36	25 27	3 47	25 0	2 1	11 49	1 26	15 43	1 53	23 45	0 17	19 14	1 33	14 6	17 41	9 0	9 30	18 37	2 9	4 28
S 7	9 12	12 37	4 51	1 19	0 51	25 38	3 49	24 56	2 0	11 46	1 26	15 46	1 53	23 46	0 17	19 15	1 33	14 7	17 41	9 3	9 31	18 37	2 8	4 28
S 8	9 33	15 41	5 7	1 4	1 5	25 49	3 52	24 52	2 0	11 44	1 26	15 48	1 52	23 46	0 17	19 15	1 33	14 7	17 41	9 5	9 32	18 37	2 6	4 28
M 9	9 55	17 49	5 3	0 52	1 19	25 59	3 54	24 49	1 59	11 41	1 26	15 50	1 52	23 46	0 17	19 15	1 33	14 8	17 41	9 8	9 33	18 37	2 5	4 28
T 10	10 16	18 51	4 41	0 42	1 31	26 8	3 56	24 45	1 58	11 39	1 26	15 52	1 52	23 46	0 17	19 16	1 33	14 8	17 41	9 9	9 34	18 36	2 4	4 28
W11	10 37	18 41	4 1	0 36	1 43	26 17	3 58	24 40	1 57	11 36	1 26	15 54	1 52	23 46	0 17	19 16	1 33	14 9	17 40	9 10	9 36	18 36	2 3	4 28
T 12	10 58	17 21	3 6	0 31	1 55	26 25	3 59	24 36	1 56	11 34	1 26	15 56	1 52	23 46	0 17	19 17	1 33	14 9	17 40	9 11	9 37	18 36	2 1	4 28
F 13	11 18	14 57	2 1	0 30	2 5	26 33	4 1	24 32	1 56	11 31	1 26	15 58	1 52	23 46	0 17	19 17	1 33	14 9	17 40	9 10	9 38	18 36	2 0	4 29
S 14	11 39	11 42	0 49	0 31	2 15	26 40	4 2	24 27	1 55	11 29	1 26	16 0	1 52	23 46	0 17	19 17	1 33	14 10	17 40	9 10	9 39	18 35	1 59	4 29
S 15	11 59	7 49	0s25	0 34	2 23	26 47	4 4	24 23	1 54	11 26	1 26	16 3	1 52	23 46	0 17	19 18	1 33	14 10	17 40	9 10	9 40	18 35	1 58	4 29
M16	12 20	3 34	1 36	0 40	2 31	26 53	4 5	24 18	1 53	11 24	1 25	16 5	1 51	23 46	0 17	19 18	1 33	14 10	17 39	9 11	9 41	18 35	1 57	4 29
T 17	12 40	0n49	2 42	0 48	2 38	26 59	4 5	24 13	1 53	11 21	1 25	16 7	1 51	23 46	0 17	19 19	1 32	14 11	17 39	9 12	9 43	18 34	1 55	4 29
W18	12 59	5 6	3 37	0 58	2 45	27 4	4 6	24 8	1 52	11 19	1 25	16 9	1 51	23 46	0 17	19 19	1 32	14 11	17 39	9 14	9 44	18 34	1 54	4 29
T 19	13 19	9 4	4 20	1 10	2 50	27 8	4 7	24 3	1 51	11 16	1 25	16 11	1 51	23 46	0 17	19 19	1 32	14 11	17 39	9 17	9 45	18 34	1 53	4 29
F 20	13 38	12 32	4 48	1 24	2 55	27 12	4 7	23 58	1 50	11 14	1 25	16 13	1 51	23 46	0 17	19 20	1 32	14 12	17 38	9 21	9 46	18 34	1 52	4 29
S 21	13 57	15 21	5 2	1 41	2 59	27 16	4 7	23 53	1 49	11 11	1 25	16 15	1 51	23 46	0 17	19 20	1 32	14 12	17 38	9 25	9 47	18 33	1 51	4 30
S 22	14 16	17 25	5 1	1 59	3 2	27 19	4 7	23 47	1 49	11 9	1 25	16 17	1 51	23 46	0 17	19 21	1 32	14 12	17 38	9 29	9 48	18 33	1 50	4 30
M23	14 35	18 39	4 47	2 19	3 5	27 21	4 7	23 42	1 48	11 6	1 25	16 19	1 51	23 46	0 17	19 21	1 32	14 12	17 37	9 33	9 50	18 33	1 49	4 30
T 24	14 53	19 2	4 20	2 41	3 6	27 23	4 6	23 36	1 47	11 4	1 25	16 22	1 51	23 46	0 17	19 22	1 32	14 13	17 37	9 35	9 51	18 32	1 48	4 30
W25	15 11	18 34	3 42	3 5	3 8	27 25	4 5	23 30	1 46	11 1	1 25	16 24	1 51	23 46	0 17	19 22	1 32	14 13	17 37	9 37	9 52	18 32	1 46	4 30
T 26	15 29	17 18	2 54	3 30	3 8	27 26	4 4	23 24	1 46	10 59	1 25	16 26	1 51	23 46	0 17	19 22	1 32	14 13	17 36	9 38	9 53	18 32	1 45	4 30
F 27	15 47	15 16	1 59	3 57	3 8	27 26	4 3	23 18	1 45	10 56	1 25	16 28	1 50	23 46	0 17	19 23	1 32	14 13	17 36	9 38	9 54	18 32	1 44	4 30
S 28	16 5	12 33	0 58	4 25	3 7	27 26	4 2	23 12	1 44	10 54	1 24	16 30	1 50	23 46	0 17	19 23	1 32	14 13	17 36	9 38	9 55	18 31	1 43	4 31
S 29	16 22	9 16	0n 7	4 54	3 5	27 26	4 0	23 5	1 43	10 51	1 24	16 32	1 50	23 47	0 17	19 24	1 32	14 13	17 35	9 38	9 57	18 31	1 42	4 31
M30	16n39	5n29	1n13	5n25	3s 3	27n25	3n58	22n59	1n43	10s49	1n24	16n34	1s50	23s47	0s17	19n24	1s32	14n14	17n35	9n38	9n58	18n31	1s41	4n31

Julian Day Number = 2172231.5, Delta T = 12m12s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'34, Lahiri = 13°11'34 Julian Calendar 1 Apr. 1235 == Greg. Calendar 8 Apr. 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

MAY 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 1 46	16♉47'17	1♎50	22♈23	26♊ 0	25♋ 5	1°R38	22♉ 8	3°R37	3♊23	4°R41	5°R10	4♍17	19♋42	15♓15	T 1
W 2	15 5 42	17°44'58	15° 5	23°46	26°29	25°38	1♏31	22°16	3♑36	3°25	4♎40	5♍ 5	4°13	19°49	15°17	W 2
T 3	15 9 39	18°42'36	28°45	25°10	26°56	26°10	1°24	22°24	3°34	3°27	4°39	4°57	4°10	19°56	15°19	T 3
F 4	15 13 35	19°40'13	12♏49	26°37	27°21	26°43	1°17	22°32	3°33	3°30	4°38	4°47	4° 7	20° 2	15°21	F 4
S 5	15 17 32	20°37'49	27°12	28° 6	27°45	27°16	1°10	22°40	3°31	3°32	4°36	4°37	4° 4	20° 9	15°23	S 5
S 6	15 21 28	21°35'24	11♐49	29°38	28° 7	27°49	1° 3	22°47	3°30	3°34	4°35	4°26	4° 1	20°16	15°25	S 6
M 7	15 25 25	22°32'58	26°32	1♉12	28°27	28°22	0°56	22°55	3°28	3°36	4°34	4°16	3°57	20°22	15°27	M 7
T 8	15 29 22	23°30'30	11♑13	2°49	28°45	28°55	0°50	23° 3	3°27	3°38	4°33	4° 9	3°54	20°29	15°29	T 8
W 9	15 33 18	24°28'02	25°45	4°28	29° 1	29°28	0°43	23°11	3°25	3°41	4°33	4° 4	3°51	20°36	15°30	W 9
T 10	15 37 15	25°25'33	10♒ 5	6° 9	29°15	0♌ 1	0°37	23°19	3°23	3°43	4°32	4° 2	3°48	20°42	15°32	T 10
F 11	15 41 11	26°23'03	24°11	7°52	29°27	0°34	0°31	23°27	3°22	3°45	4°31	4° 1	3°45	20°49	15°34	F 11
S 12	15 45 8	27°20'32	8♓ 1	9°38	29°38	1° 8	0°24	23°34	3°20	3°47	4°30	4° 1	3°42	20°56	15°36	S 12
S 13	15 49 4	28°18'00	21°36	11°26	29°46	1°41	0°18	23°42	3°18	3°49	4°29	4° 1	3°38	21° 2	15°37	S 13
M14	15 53 1	29°15'28	4♈58	13°17	29°51	2°15	0°12	23°50	3°16	3°52	4°28	3°58	3°35	21° 9	15°39	M14
T 15	15 56 57	0♊12'54	18° 7	15°10	29°55	2°48	0° 7	23°58	3°14	3°54	4°28	3°53	3°32	21°16	15°40	T 15
W16	16 0 54	1°10'20	1♉ 5	17° 5	29°R56	3°22	0° 1	24° 6	3°12	3°56	4°27	3°45	3°29	21°23	15°42	W16
T 17	16 4 51	2° 7'46	13°51	19° 2	29°55	3°56	29♎55	24°13	3°10	3°58	4°26	3°34	3°26	21°29	15°43	T 17
F 18	16 8 47	3° 5'10	26°26	21° 1	29°52	4°29	29°50	24°21	3° 8	4° 1	4°25	3°21	3°22	21°36	15°45	F 18
S 19	16 12 44	4° 2'33	8♊50	23° 2	29°46	5° 3	29°45	24°29	3° 6	4° 3	4°25	3° 8	3°19	21°43	15°46	S 19
S 20	16 16 40	4°59'56	21° 4	25° 5	29°38	5°37	29°40	24°37	3° 4	4° 5	4°24	2°55	3°16	21°49	15°47	S 20
M21	16 20 37	5°57'18	3♋ 7	27°10	29°27	6°11	29°35	24°44	3° 2	4° 7	4°24	2°43	3°13	21°56	15°48	M21
T 22	16 24 33	6°54'39	15° 3	29°17	29°14	6°46	29°30	24°52	3° 0	4°10	4°23	2°34	3°10	22° 3	15°50	T 22
W23	16 28 30	7°51'59	26°53	1♊25	28°59	7°20	29°25	25° 0	2°58	4°12	4°22	2°27	3° 7	22° 9	15°51	W23
T 24	16 32 26	8°49'17	8♌41	3°34	28°41	7°54	29°20	25° 8	2°56	4°14	4°22	2°23	3° 3	22°16	15°52	T 24
F 25	16 36 23	9°46'35	20°31	5°45	28°21	8°28	29°16	25°15	2°54	4°16	4°21	2°21	3° 0	22°23	15°53	F 25
S 26	16 40 20	10°43'52	2♍28	7°56	27°59	9° 3	29°12	25°23	2°52	4°19	4°21	2°D21	2°57	22°29	15°54	S 26
S 27	16 44 16	11°41'08	14°37	10° 7	27°34	9°37	29° 8	25°31	2°50	4°21	4°21	2°R21	2°54	22°36	15°55	S 27
M28	16 48 13	12°38'24	27° 4	12°19	27° 8	10°12	29° 4	25°38	2°47	4°23	4°20	2°20	2°51	22°43	15°56	M28
T 29	16 52 9	13°35'38	9♎54	14°31	26°39	10°46	29° 0	25°46	2°45	4°25	4°20	2°18	2°48	22°49	15°56	T 29
W30	16 56 6	14°32'51	23°10	16°43	26° 9	11°21	28°56	25°53	2°43	4°28	4°20	2°13	2°44	22°56	15°57	W30
T 31	17 0 2	15♊30'04	6♏55	18♊53	25♊37	11♌56	28♎53	26♉ 1	2♑41	4♊30	4♎19	2♍ 6	2♍41	23♋ 3	15♓58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n55	1n21	2n16	5n58	3s 0	27n24	3n55	22n52	1n42	10s47	1n24	16n36	1s50	23s47	0s17	19n25	1s32	14n14	17n34	9n39	9n59	18n30	1s40	4n31
W 2	17 12	2s58	3 15	6 31	2 57	27 22	3 53	22 46	1 41	10 44	1 24	16 38	1 50	23 47	0 17	19 25	1 32	14 14	17 34	9 41	10 0	18 30	1 39	4 31
T 3	17 28	7 16	4 4	7 6	2 53	27 20	3 50	22 39	1 41	10 42	1 24	16 40	1 50	23 47	0 17	19 25	1 32	14 14	17 34	9 44	10 1	18 30	1 38	4 31
F 4	17 43	11 18	4 40	7 42	2 48	27 17	3 46	22 32	1 40	10 40	1 24	16 42	1 50	23 47	0 18	19 26	1 32	14 14	17 33	9 48	10 2	18 29	1 37	4 32
S 5	17 59	14 46	4 59	8 19	2 43	27 14	3 43	22 25	1 39	10 37	1 23	16 44	1 50	23 47	0 18	19 26	1 32	14 14	17 33	9 52	10 4	18 29	1 36	4 32
S 6	18 14	17 22	4 59	8 56	2 37	27 10	3 39	22 17	1 38	10 35	1 23	16 46	1 50	23 47	0 18	19 27	1 32	14 14	17 32	9 55	10 5	18 29	1 36	4 32
M 7	18 29	18 50	4 39	9 35	2 31	27 6	3 34	22 10	1 38	10 33	1 23	16 48	1 50	23 47	0 18	19 27	1 32	14 14	17 32	9 59	10 6	18 28	1 35	4 32
T 8	18 44	19 3	4 1	10 15	2 24	27 1	3 30	22 2	1 37	10 31	1 23	16 50	1 50	23 47	0 18	19 28	1 32	14 14	17 32	10 2	10 7	18 28	1 34	4 32
W 9	18 58	18 0	3 8	10 55	2 17	26 56	3 25	21 55	1 36	10 29	1 23	16 52	1 50	23 47	0 18	19 28	1 32	14 14	17 31	10 3	10 8	18 28	1 33	4 32
T 10	19 12	15 49	2 3	11 36	2 9	26 51	3 19	21 47	1 36	10 27	1 22	16 54	1 50	23 47	0 18	19 28	1 32	14 14	17 31	10 4	10 9	18 27	1 32	4 33
F 11	19 25	12 42	0 52	12 17	2 1	26 45	3 13	21 39	1 35	10 25	1 22	16 56	1 50	23 47	0 18	19 29	1 32	14 14	17 30	10 4	10 10	18 27	1 31	4 33
S 12	19 39	8 56	0s21	12 59	1 52	26 39	3 7	21 31	1 34	10 23	1 22	16 58	1 50	23 47	0 18	19 29	1 32	14 14	17 30	10 4	10 12	18 26	1 30	4 33
S 13	19 52	4 45	1 32	13 42	1 43	26 32	3 0	21 23	1 33	10 21	1 22	17 0	1 49	23 47	0 18	19 30	1 32	14 14	17 29	10 5	10 13	18 26	1 30	4 33
M14	20 4	0 24	2 36	14 24	1 34	26 25	2 53	21 15	1 33	10 19	1 22	17 2	1 49	23 47	0 18	19 30	1 32	14 14	17 29	10 6	10 14	18 26	1 29	4 33
T 15	20 17	3n53	3 30	15 7	1 24	26 18	2 45	21 6	1 32	10 17	1 21	17 4	1 49	23 47	0 18	19 31	1 32	14 13	17 28	10 7	10 15	18 25	1 28	4 34
W16	20 29	7 56	4 13	15 49	1 14	26 10	2 37	20 58	1 31	10 15	1 21	17 6	1 49	23 48	0 18	19 31	1 32	14 13	17 28	10 10	10 16	18 25	1 27	4 34
T 17	20 40	11 34	4 43	16 32	1 3	26 1	2 29	20 49	1 31	10 14	1 21	17 8	1 49	23 48	0 18	19 31	1 32	14 13	17 28	10 14	10 17	18 25	1 27	4 34
F 18	20 52	14 36	4 58	17 14	0 53	25 52	2 20	20 40	1 30	10 12	1 21	17 10	1 49	23 48	0 18	19 32	1 32	14 13	17 27	10 19	10 19	18 24	1 26	4 34
S 19	21 2	16 57	4 59	17 56	0 42	25 43	2 11	20 31	1 29	10 10	1 21	17 12	1 49	23 48	0 18	19 32	1 32	14 13	17 27	10 24	10 20	18 24	1 25	4 34
S 20	21 13	18 29	4 45	18 37	0 31	25 33	2 1	20 22	1 29	10 9	1 20	17 14	1 49	23 48	0 18	19 33	1 32	14 13	17 26	10 29	10 21	18 23	1 25	4 35
M21	21 23	19 10	4 20	19 17	0 20	25 23	1 50	20 13	1 28	10 7	1 20	17 16	1 49	23 48	0 18	19 33	1 32	14 12	17 26	10 33	10 22	18 23	1 24	4 35
T 22	21 33	19 0	3 42	19 55	0 9	25 12	1 40	20 4	1 27	10 6	1 20	17 18	1 49	23 48	0 18	19 34	1 32	14 12	17 25	10 36	10 23	18 23	1 23	4 35
W23	21 43	17 59	2 56	20 33	0n 1	25 1	1 29	19 54	1 27	10 4	1 20	17 20	1 49	23 48	0 18	19 34	1 32	14 12	17 25	10 39	10 24	18 22	1 23	4 35
T 24	21 52	16 12	2 2	21 9	0 12	24 49	1 17	19 45	1 26	10 3	1 19	17 21	1 49	23 48	0 18	19 34	1 32	14 12	17 24	10 40	10 25	18 22	1 22	4 35
F 25	22 0	13 43	1 2	21 43	0 22	24 37	1 5	19 35	1 25	10 1	1 19	17 23	1 49	23 48	0 18	19 35	1 32	14 11	17 24	10 41	10 27	18 22	1 21	4 36
S 26	22 9	10 39	0n 1	22 15	0 33	24 24	0 53	19 26	1 25	10 0	1 19	17 25	1 49	23 48	0 18	19 35	1 32	14 11	17 23	10 41	10 28	18 21	1 21	4 36
S 27	22 17	7 4	1 5	22 45	0 42	24 11	0 40	19 16	1 24	9 59	1 19	17 27	1 49	23 48	0 18	19 36	1 32	14 11	17 23	10 41	10 29	18 21	1 20	4 36
M28	22 24	3 7	2 7	23 13	0 52	23 57	0 27	19 6	1 23	9 58	1 18	17 29	1 49	23 48	0 18	19 36	1 32	14 10	17 22	10 41	10 30	18 20	1 20	4 36
T 29	22 31	1s 6	3 5	23 38	1 1	23 43	0 14	18 55	1 22	9 57	1 18	17 31	1 49	23 48	0 18	19 36	1 32	14 10	17 21	10 42	10 31	18 20	1 19	4 36
W30	22 38	5 24	3 55	24 1	1 9	23 29	0 0	18 45	1 22	9 56	1 18	17 32	1 49	23 48	0 18	19 37	1 32	14 10	17 21	10 44	10 32	18 19	1 19	4 37
T 31	22n45	9s34	4n34	24n21	1n17	23n14	0s14	18n35	1n21	9s55	1n18	17n34	1s49	23s48	0s18	19n37	1s32	14n 9	17n20	10n46	10n33	18n19	1s18	4n37

Julian Day Number = 2172261.5, Delta T = 12m12s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'38, Lahiri = 13°11'38 Julian Calendar 1 May 1235 == Greg. Calendar 8 May 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

JUNE 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 3 59	16♊27'16	21♏ 7	21♊ 3	25°R 4	12♌30	28°R50	26♉ 8	2°R38	4♊32	4°R19	1°R57	2♍38	23♋ 9	15♓58	F 1
S 2	17 7 55	17°24'28	5♐45	23°12	24♊29	13° 5	28♎47	26°16	2♑36	4°34	4♎19	1♍47	2°35	23°16	15°59	S 2
S 3	17 11 52	18°21'39	20°40	25°20	23°53	13°40	28°44	26°23	2°34	4°36	4°19	1°36	2°32	23°23	16° 0	S 3
M 4	17 15 49	19°18'50	5♑43	27°26	23°17	14°15	28°41	26°31	2°31	4°39	4°19	1°27	2°28	23°29	16° 0	M 4
T 5	17 19 45	20°16'00	20°46	29°31	22°40	14°50	28°39	26°38	2°29	4°41	4°19	1°20	2°25	23°36	16° 0	T 5
W 6	17 23 42	21°13'10	5♒38	1♋34	22° 2	15°25	28°36	26°46	2°27	4°43	4°18	1°15	2°22	23°43	16° 1	W 6
T 7	17 27 38	22°10'21	20°14	3°35	21°24	16° 1	28°34	26°53	2°24	4°45	4°18	1°13	2°19	23°49	16° 1	T 7
F 8	17 31 35	23° 7'31	4♓30	5°35	20°47	16°36	28°32	27° 0	2°22	4°47	4°D18	1°D13	2°16	23°56	16° 1	F 8
S 9	17 35 31	24° 4'41	18°23	7°32	20°10	17°11	28°30	27° 8	2°20	4°49	4°18	1°R13	2°13	24° 3	16° 2	S 9
S 10	17 39 28	25° 1'51	1♈56	9°27	19°33	17°46	28°28	27°15	2°17	4°51	4°19	1°13	2° 9	24° 9	16° 2	S 10
M11	17 43 24	25°59'02	15°10	11°21	18°58	18°22	28°27	27°22	2°15	4°54	4°19	1°12	2° 6	24°16	16° 2	M11
T 12	17 47 21	26°56'12	28° 7	13°12	18°23	18°57	28°26	27°29	2°12	4°56	4°19	1° 8	2° 3	24°23	16°R 2	T 12
W13	17 51 18	27°53'23	10♉50	15° 1	17°50	19°33	28°24	27°36	2°10	4°58	4°19	1° 1	2° 0	24°29	16° 2	W13
T 14	17 55 14	28°50'34	23°20	16°48	17°18	20° 8	28°23	27°44	2° 8	5° 0	4°19	0°53	1°57	24°36	16° 2	T 14
F 15	17 59 11	29°47'45	5♊40	18°33	16°47	20°44	28°23	27°51	2° 5	5° 2	4°19	0°43	1°54	24°43	16° 2	F 15
S 16	18 3 7	0♋44'56	17°51	20°16	16°19	21°20	28°22	27°58	2° 3	5° 4	4°20	0°32	1°50	24°50	16° 2	S 16
S 17	18 7 4	1°42'07	29°53	21°57	15°52	21°56	28°22	28° 5	2° 0	5° 6	4°20	0°21	1°47	24°56	16° 1	S 17
M18	18 11 0	2°39'18	11♋49	23°36	15°27	22°31	28°21	28°12	1°58	5° 8	4°20	0°11	1°44	25° 3	16° 1	M18
T 19	18 14 57	3°36'30	23°40	25°12	15° 5	23° 7	28°D21	28°19	1°55	5°10	4°21	0° 3	1°41	25°10	16° 1	T 19
W20	18 18 53	4°33'41	5♌28	26°47	14°44	23°43	28°22	28°25	1°53	5°12	4°21	29♌58	1°38	25°16	16° 0	W20
T 21	18 22 50	5°30'53	17°16	28°19	14°26	24°19	28°22	28°32	1°51	5°14	4°21	29°55	1°34	25°23	16° 0	T 21
F 22	18 26 47	6°28'04	29° 6	29°49	14°10	24°55	28°22	28°39	1°48	5°16	4°22	29°D54	1°31	25°30	15°59	F 22
S 23	18 30 43	7°25'15	11♍ 4	1♌17	13°57	25°32	28°23	28°46	1°46	5°18	4°22	29°55	1°28	25°36	15°59	S 23
S 24	18 34 40	8°22'27	23°13	2°43	13°46	26° 8	28°24	28°52	1°43	5°20	4°23	29°56	1°25	25°43	15°58	S 24
M25	18 38 36	9°19'38	5♎38	4° 6	13°37	26°44	28°25	28°59	1°41	5°22	4°23	29°R57	1°22	25°50	15°57	M25
T 26	18 42 33	10°16'50	18°25	5°28	13°31	27°20	28°26	29° 6	1°39	5°24	4°24	29°56	1°19	25°56	15°57	T 26
W27	18 46 29	11°14'01	1♏37	6°47	13°27	27°57	28°28	29°12	1°36	5°26	4°25	29°54	1°15	26° 3	15°56	W27
T 28	18 50 26	12°11'13	15°18	8° 3	13°D25	28°33	28°29	29°19	1°34	5°28	4°25	29°51	1°12	26°10	15°55	T 28
F 29	18 54 22	13° 8'25	29°28	9°18	13°26	29° 9	28°31	29°25	1°31	5°30	4°26	29°45	1° 9	26°16	15°54	F 29
S 30	18 58 19	14♋ 5'37	14♐ 5	10♌30	13♊29	29♌46	28♎33	29♉31	1♑29	5♊31	4♎27	29♌39	1♍ 6	26♋23	15♓53	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n51	13s20	4n57	24n38	1n24	22n59	0s28	18n24	1n20	9s54	1n17	17n36	1s49	23s49	0s18	19n38	1s32	14n 9	17n20	10n49	10n35	18n19	1s18	4n37
S 2	22 56	16 24	5 1	24 52	1 31	22 43	0 42	18 14	1 20	9 53	1 17	17 38	1 49	23 49	0 18	19 38	1 32	14 8	17 19	10 53	10 36	18 18	1 18	4 37
S 3	23 1	18 27	4 46	25 4	1 36	22 28	0 56	18 3	1 19	9 52	1 17	17 39	1 49	23 49	0 18	19 38	1 32	14 8	17 19	10 57	10 37	18 18	1 17	4 37
M 4	23 6	19 15	4 10	25 12	1 41	22 12	1 10	17 52	1 19	9 51	1 17	17 41	1 49	23 49	0 18	19 39	1 32	14 8	17 18	11 0	10 38	18 17	1 17	4 38
T 5	23 11	18 40	3 17	25 18	1 46	21 56	1 24	17 41	1 18	9 51	1 16	17 43	1 49	23 49	0 18	19 39	1 32	14 7	17 18	11 3	10 39	18 17	1 16	4 38
W 6	23 15	16 49	2 12	25 21	1 49	21 40	1 38	17 30	1 17	9 50	1 16	17 44	1 49	23 49	0 18	19 40	1 32	14 7	17 17	11 4	10 40	18 16	1 16	4 38
T 7	23 18	13 53	0 58	25 21	1 52	21 24	1 52	17 19	1 17	9 50	1 16	17 46	1 49	23 49	0 18	19 40	1 32	14 6	17 17	11 5	10 42	18 16	1 16	4 38
F 8	23 21	10 10	0s17	25 19	1 54	21 8	2 6	17 8	1 16	9 49	1 16	17 48	1 49	23 49	0 18	19 40	1 32	14 6	17 16	11 5	10 43	18 15	1 15	4 38
S 9	23 24	5 59	1 30	25 15	1 56	20 52	2 19	16 56	1 15	9 49	1 15	17 49	1 49	23 49	0 18	19 41	1 32	14 5	17 16	11 5	10 44	18 15	1 15	4 39
S 10	23 27	1 37	2 36	25 8	1 57	20 36	2 32	16 45	1 15	9 48	1 15	17 51	1 49	23 49	0 18	19 41	1 32	14 5	17 15	11 5	10 45	18 15	1 15	4 39
M11	23 28	2n45	3 32	24 59	1 57	20 20	2 45	16 33	1 14	9 48	1 15	17 53	1 49	23 49	0 18	19 41	1 32	14 4	17 14	11 6	10 46	18 14	1 15	4 39
T 12	23 30	6 52	4 15	24 48	1 56	20 5	2 57	16 22	1 13	9 48	1 14	17 54	1 49	23 49	0 18	19 42	1 32	14 3	17 14	11 7	10 47	18 14	1 15	4 39
W13	23 31	10 37	4 45	24 35	1 55	19 51	3 9	16 10	1 13	9 48	1 14	17 56	1 49	23 49	0 18	19 42	1 32	14 3	17 13	11 9	10 48	18 13	1 14	4 39
T 14	23 32	13 49	5 1	24 20	1 53	19 37	3 20	15 58	1 12	9 48	1 14	17 57	1 49	23 49	0 18	19 43	1 32	14 2	17 13	11 12	10 49	18 13	1 14	4 40
F 15	23 32	16 22	5 3	24 4	1 50	19 23	3 31	15 46	1 11	9 48	1 14	17 59	1 50	23 49	0 18	19 43	1 32	14 2	17 12	11 16	10 51	18 12	1 14	4 40
S 16	23 32	18 10	4 50	23 46	1 47	19 10	3 41	15 34	1 11	9 48	1 13	18 0	1 50	23 49	0 18	19 43	1 32	14 1	17 12	11 20	10 52	18 12	1 14	4 40
S 17	23 31	19 7	4 25	23 26	1 43	18 58	3 51	15 22	1 10	9 48	1 13	18 2	1 50	23 49	0 18	19 44	1 32	14 0	17 11	11 24	10 53	18 11	1 14	4 40
M18	23 31	19 13	3 48	23 5	1 39	18 46	4 0	15 9	1 9	9 48	1 13	18 3	1 50	23 49	0 18	19 44	1 32	14 0	17 11	11 27	10 54	18 11	1 14	4 40
T 19	23 29	18 28	3 2	22 43	1 34	18 35	4 8	14 57	1 9	9 48	1 13	18 5	1 50	23 49	0 18	19 44	1 32	13 59	17 10	11 30	10 55	18 10	1 14	4 41
W20	23 27	16 55	2 7	22 20	1 28	18 25	4 16	14 44	1 8	9 49	1 12	18 6	1 50	23 50	0 18	19 45	1 32	13 59	17 9	11 32	10 56	18 10	1 14	4 41
T 21	23 25	14 39	1 8	21 55	1 22	18 15	4 24	14 32	1 7	9 49	1 12	18 8	1 50	23 50	0 18	19 45	1 32	13 58	17 9	11 33	10 57	18 9	1 14	4 41
F 22	23 23	11 46	0 4	21 30	1 16	18 7	4 31	14 19	1 7	9 49	1 12	18 9	1 50	23 50	0 18	19 45	1 32	13 57	17 8	11 33	10 59	18 9	1 14	4 41
S 23	23 20	8 22	1n 0	21 4	1 9	17 59	4 37	14 6	1 6	9 50	1 11	18 11	1 50	23 50	0 18	19 46	1 32	13 56	17 8	11 33	11 0	18 8	1 14	4 41
S 24	23 16	4 35	2 2	20 37	1 1	17 52	4 43	13 53	1 6	9 50	1 11	18 12	1 50	23 50	0 18	19 46	1 32	13 56	17 7	11 33	11 1	18 8	1 14	4 42
M25	23 12	0 31	3 1	20 10	0 53	17 46	4 48	13 40	1 5	9 51	1 11	18 13	1 50	23 50	0 18	19 46	1 32	13 55	17 7	11 32	11 2	18 7	1 14	4 42
T 26	23 8	3s41	3 52	19 42	0 45	17 40	4 53	13 27	1 4	9 52	1 11	18 15	1 50	23 50	0 18	19 47	1 32	13 54	17 6	11 32	11 3	18 7	1 14	4 42
W27	23 4	7 50	4 32	19 14	0 36	17 35	4 57	13 14	1 4	9 53	1 10	18 16	1 50	23 50	0 18	19 47	1 32	13 54	17 6	11 33	11 4	18 6	1 14	4 42
T 28	22 58	11 43	4 59	18 45	0 27	17 32	5 1	13 1	1 3	9 53	1 10	18 17	1 50	23 50	0 18	19 47	1 32	13 53	17 5	11 34	11 5	18 6	1 14	4 42
F 29	22 53	15 5	5 9	18 16	0 17	17 28	5 4	12 47	1 2	9 54	1 10	18 19	1 50	23 50	0 18	19 48	1 32	13 52	17 4	11 36	11 7	18 5	1 14	4 43
S 30	22n47	17s38	4n59	17n47	0n 7	17n26	5s 7	12n34	1n 2	9s55	1n 9	18n20	1s50	23s50	0s18	19n48	1s32	13n51	17n 4	11n39	11n 8	18n 5	1s15	4n43

Julian Day Number = 2172292.5, Delta T = 12m12s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'42, Lahiri = 13°11'42 Julian Calendar 1 June 1235 == Greg. Calendar 8 June 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

JULY 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 2 16	15♋ 2'50	29♐ 3	11♌39	13♊34	0♍23	28♎35	29♉38	1°R27	5♊33	4♎28	29°R32	1♍ 3	26♋30	15°R52	S 1
M 2	19 6 12	16° 0'03	14♑15	12°46	13°42	0°59	28°37	29°44	1♑24	5°35	4°28	29♌26	1° 0	26°36	15♓51	M 2
T 3	19 10 9	16°57'16	29°29	13°50	13°51	1°36	28°40	29°50	1°22	5°37	4°29	29°22	0°56	26°43	15°50	T 3
W 4	19 14 5	17°54'30	14♒37	14°51	14° 3	2°13	28°42	29°56	1°20	5°39	4°30	29°19	0°53	26°50	15°49	W 4
T 5	19 18 2	18°51'45	29°28	15°49	14°17	2°49	28°45	0♊ 2	1°18	5°40	4°31	29°D18	0°50	26°56	15°48	T 5
F 6	19 21 58	19°49'01	13♓57	16°45	14°32	3°26	28°48	0° 8	1°15	5°42	4°32	29°19	0°47	27° 3	15°47	F 6
S 7	19 25 55	20°46'18	28° 2	17°37	14°50	4° 3	28°51	0°14	1°13	5°44	4°33	29°20	0°44	27°10	15°46	S 7
S 8	19 29 51	21°43'35	11♈41	18°26	15° 9	4°40	28°54	0°20	1°11	5°46	4°34	29°21	0°40	27°16	15°44	S 8
M 9	19 33 48	22°40'54	24°56	19°12	15°31	5°17	28°58	0°26	1° 9	5°47	4°35	29°R22	0°37	27°23	15°43	M 9
T 10	19 37 45	23°38'13	7♉50	19°54	15°54	5°54	29° 2	0°32	1° 6	5°49	4°36	29°21	0°34	27°30	15°41	T 10
W11	19 41 41	24°35'34	20°26	20°32	16°18	6°31	29° 5	0°37	1° 4	5°51	4°37	29°18	0°31	27°36	15°40	W11
T 12	19 45 38	25°32'56	2♊47	21° 7	16°45	7° 8	29° 9	0°43	1° 2	5°52	4°38	29°14	0°28	27°43	15°38	T 12
F 13	19 49 34	26°30'19	14°56	21°37	17°13	7°46	29°13	0°49	1° 0	5°54	4°39	29° 9	0°25	27°50	15°37	F 13
S 14	19 53 31	27°27'43	26°57	22° 3	17°42	8°23	29°18	0°54	0°58	5°55	4°40	29° 4	0°21	27°56	15°35	S 14
S 15	19 57 27	28°25'09	8♋52	22°25	18°13	9° 0	29°22	1° 0	0°56	5°57	4°42	28°58	0°18	28° 3	15°34	S 15
M16	20 1 24	29°22'35	20°42	22°42	18°45	9°38	29°27	1° 5	0°54	5°58	4°43	28°54	0°15	28°10	15°32	M16
T 17	20 5 21	0♌20'02	2♌31	22°54	19°19	10°15	29°32	1°10	0°52	6° 0	4°44	28°50	0°12	28°16	15°30	T 17
W18	20 9 17	1°17'30	14°19	23° 2	19°53	10°53	29°37	1°15	0°50	6° 1	4°45	28°48	0° 9	28°23	15°28	W18
T 19	20 13 14	2°14'59	26°10	23°R 4	20°30	11°30	29°42	1°20	0°48	6° 3	4°47	28°D47	0° 6	28°30	15°27	T 19
F 20	20 17 10	3°12'29	8♍ 5	23° 1	21° 7	12° 8	29°47	1°26	0°46	6° 4	4°48	28°47	0° 2	28°36	15°25	F 20
S 21	20 21 7	4°10'01	20° 8	22°53	21°45	12°46	29°52	1°31	0°44	6° 5	4°49	28°48	29♌59	28°43	15°23	S 21
S 22	20 25 3	5° 7'32	2♎22	22°39	22°25	13°23	29°58	1°35	0°42	6° 7	4°51	28°50	29°56	28°50	15°21	S 22
M23	20 29 0	6° 5'05	14°50	22°20	23° 5	14° 1	0♏ 4	1°40	0°40	6° 8	4°52	28°51	29°53	28°56	15°19	M23
T 24	20 32 56	7° 2'39	27°37	21°55	23°47	14°39	0° 9	1°45	0°39	6° 9	4°54	28°52	29°50	29° 3	15°17	T 24
W25	20 36 53	8° 0'14	10♏46	21°26	24°30	15°17	0°15	1°50	0°37	6°11	4°55	28°R53	29°46	29°10	15°15	W25
T 26	20 40 49	8°57'50	24°20	20°51	25°13	15°55	0°22	1°54	0°35	6°12	4°57	28°52	29°43	29°16	15°13	T 26
F 27	20 44 46	9°55'26	8♐20	20°12	25°58	16°33	0°28	1°59	0°33	6°13	4°58	28°50	29°40	29°23	15°11	F 27
S 28	20 48 43	10°53'04	22°46	19°29	26°43	17°11	0°34	2° 3	0°32	6°14	5° 0	28°48	29°37	29°30	15° 8	S 28
S 29	20 52 39	11°50'43	7♑33	18°43	27°29	17°49	0°41	2° 7	0°30	6°15	5° 1	28°46	29°34	29°36	15° 6	S 29
M30	20 56 36	12°48'23	22°37	17°54	28°16	18°27	0°47	2°12	0°28	6°17	5° 3	28°44	29°31	29°43	15° 4	M30
T 31	21 0 32	13♌46'05	7♒48	17♌ 3	29♊ 4	19♍ 5	0♏54	2♊16	0♑27	6♊18	5♎ 5	28♌43	29♌27	29♋50	15♓ 2	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n41	19s 3	4n29	17n18	0s 3	17n24	5s 9	12n20	1n 1	9s56	1n 9	18n21	1s50	23s50	0s18	19n48	1s32	13n50	17n 3	11n41	11n 9	18n 4	1s15	4n43
M 2	22 34	19 8	3 40	16 49	0 14	17 23	5 11	12 7	1 0	9 57	1 9	18 23	1 51	23 50	0 18	19 48	1 32	13 50	17 3	11 43	11 10	18 4	1 15	4 43
T 3	22 27	17 49	2 35	16 21	0 25	17 23	5 13	11 53	1 0	9 58	1 9	18 24	1 51	23 50	0 18	19 49	1 32	13 49	17 2	11 45	11 11	18 3	1 15	4 43
W 4	22 20	15 15	1 19	15 52	0 36	17 23	5 14	11 39	0 59	10 0	1 8	18 25	1 51	23 50	0 18	19 49	1 32	13 48	17 2	11 45	11 12	18 3	1 16	4 44
T 5	22 12	11 43	0s 1	15 24	0 48	17 24	5 15	11 25	0 59	10 1	1 8	18 26	1 51	23 50	0 18	19 49	1 32	13 47	17 1	11 46	11 13	18 2	1 16	4 44
F 6	22 4	7 33	1 19	14 56	1 0	17 25	5 15	11 11	0 58	10 2	1 8	18 27	1 51	23 50	0 18	19 50	1 32	13 46	17 1	11 45	11 14	18 1	1 16	4 44
S 7	21 55	3 5	2 30	14 28	1 12	17 27	5 15	10 57	0 57	10 3	1 8	18 29	1 51	23 50	0 18	19 50	1 32	13 45	17 0	11 45	11 16	18 1	1 16	4 44
S 8	21 46	1n25	3 30	14 2	1 24	17 29	5 15	10 43	0 57	10 5	1 7	18 30	1 51	23 50	0 18	19 50	1 33	13 45	17 0	11 45	11 17	18 0	1 17	4 44
M 9	21 37	5 42	4 18	13 36	1 37	17 32	5 15	10 29	0 56	10 6	1 7	18 31	1 51	23 50	0 18	19 50	1 33	13 44	16 59	11 44	11 18	18 0	1 17	4 44
T 10	21 27	9 36	4 50	13 11	1 49	17 35	5 14	10 14	0 55	10 8	1 7	18 32	1 51	23 50	0 18	19 51	1 33	13 43	16 59	11 45	11 19	17 59	1 18	4 45
W11	21 17	12 58	5 8	12 46	2 2	17 39	5 13	10 0	0 55	10 10	1 6	18 33	1 51	23 50	0 18	19 51	1 33	13 42	16 58	11 46	11 20	17 59	1 18	4 45
T 12	21 7	15 43	5 11	12 23	2 15	17 42	5 11	9 46	0 54	10 11	1 6	18 34	1 51	23 50	0 18	19 51	1 33	13 41	16 58	11 47	11 21	17 58	1 18	4 45
F 13	20 56	17 43	5 0	12 2	2 28	17 47	5 10	9 31	0 54	10 13	1 6	18 35	1 51	23 50	0 18	19 51	1 33	13 40	16 57	11 49	11 22	17 58	1 19	4 45
S 14	20 45	18 54	4 36	11 41	2 40	17 51	5 8	9 17	0 53	10 15	1 6	18 36	1 52	23 50	0 18	19 52	1 33	13 39	16 57	11 51	11 23	17 57	1 19	4 45
S 15	20 34	19 15	4 0	11 22	2 53	17 56	5 6	9 2	0 52	10 16	1 5	18 37	1 52	23 50	0 18	19 52	1 33	13 38	16 56	11 53	11 25	17 56	1 20	4 45
M16	20 22	18 44	3 14	11 5	3 5	18 1	5 4	8 47	0 52	10 18	1 5	18 38	1 52	23 50	0 18	19 52	1 33	13 37	16 56	11 54	11 26	17 56	1 20	4 45
T 17	20 10	17 25	2 19	10 49	3 18	18 6	5 2	8 32	0 51	10 20	1 5	18 39	1 52	23 50	0 18	19 52	1 33	13 36	16 55	11 56	11 27	17 55	1 21	4 46
W18	19 57	15 21	1 19	10 36	3 29	18 11	4 59	8 18	0 50	10 22	1 5	18 40	1 52	23 50	0 18	19 52	1 33	13 36	16 55	11 56	11 28	17 55	1 22	4 46
T 19	19 44	12 37	0 14	10 24	3 41	18 16	4 56	8 3	0 50	10 24	1 4	18 41	1 52	23 50	0 18	19 53	1 33	13 35	16 54	11 57	11 29	17 54	1 22	4 46
F 20	19 31	9 22	0n51	10 15	3 52	18 22	4 53	7 48	0 49	10 26	1 4	18 42	1 52	23 50	0 18	19 53	1 33	13 34	16 54	11 57	11 30	17 53	1 23	4 46
S 21	19 18	5 41	1 55	10 8	4 2	18 27	4 50	7 33	0 48	10 29	1 4	18 43	1 52	23 50	0 18	19 53	1 33	13 33	16 53	11 56	11 31	17 53	1 23	4 46
S 22	19 4	1 44	2 55	10 3	4 12	18 33	4 47	7 17	0 48	10 31	1 4	18 44	1 52	23 50	0 18	19 53	1 33	13 32	16 53	11 56	11 32	17 52	1 24	4 46
M23	18 50	2s22	3 47	10 1	4 20	18 38	4 43	7 2	0 47	10 33	1 3	18 44	1 53	23 50	0 18	19 53	1 33	13 31	16 52	11 55	11 34	17 52	1 25	4 46
T 24	18 35	6 28	4 30	10 2	4 28	18 44	4 40	6 47	0 47	10 35	1 3	18 45	1 53	23 50	0 18	19 54	1 33	13 30	16 52	11 55	11 35	17 51	1 25	4 46
W25	18 20	10 21	5 0	10 5	4 34	18 49	4 36	6 32	0 46	10 38	1 3	18 46	1 53	23 50	0 18	19 54	1 33	13 29	16 51	11 55	11 36	17 50	1 26	4 47
T 26	18 5	13 50	5 15	10 11	4 39	18 55	4 32	6 16	0 45	10 40	1 3	18 47	1 53	23 50	0 18	19 54	1 33	13 28	16 51	11 55	11 37	17 50	1 27	4 47
F 27	17 50	16 39	5 12	10 20	4 43	19 0	4 29	6 1	0 45	10 42	1 2	18 48	1 53	23 50	0 18	19 54	1 33	13 27	16 50	11 55	11 38	17 49	1 27	4 47
S 28	17 34	18 32	4 49	10 32	4 45	19 5	4 25	5 46	0 44	10 45	1 2	18 48	1 53	23 50	0 18	19 54	1 33	13 26	16 50	11 56	11 39	17 49	1 28	4 47
S 29	17 18	19 13	4 7	10 46	4 45	19 10	4 20	5 30	0 44	10 47	1 2	18 49	1 53	23 50	0 18	19 55	1 33	13 25	16 50	11 57	11 40	17 48	1 29	4 47
M30	17 2	18 34	3 7	11 2	4 43	19 15	4 16	5 15	0 43	10 50	1 2	18 50	1 53	23 50	0 18	19 55	1 33	13 24	16 49	11 58	11 41	17 47	1 30	4 47
T 31	16n46	16s34	1n53	11n20	4s40	19n20	4s12	4n59	0n42	10s53	1n 1	18n51	1s54	23s50	0s18	19n55	1s33	13n23	16n49	11n58	11n43	17n47	1s30	4n47

Julian Day Number = 2172322.5, Delta T = 12m12s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'46, Lahiri = 13°11'46 Julian Calendar 1 July 1235 == Greg. Calendar 8 July 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

AUGUST 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 4 29	14♌43'47	22♒57	16°R11	29♊53	19♍44	1♏ 1	2♊20	0°R25	6♊19	5♎ 6	28°D42	29♌24	29♋56	14°R59	W 1
T 2	21 8 25	15°41'31	7♓55	15♌19	0♋42	20°22	1° 8	2°24	0♑24	6°20	5° 8	28♌42	29°21	0♌ 3	14♓57	T 2
F 3	21 12 22	16°39'17	22°34	14°28	1°32	21° 0	1°16	2°28	0°22	6°21	5°10	28°43	29°18	0°10	14°55	F 3
S 4	21 16 18	17°37'04	6♈49	13°40	2°23	21°39	1°23	2°31	0°21	6°22	5°11	28°44	29°15	0°16	14°52	S 4
S 5	21 20 15	18°34'53	20°37	12°54	3°15	22°17	1°31	2°35	0°20	6°23	5°13	28°45	29°12	0°23	14°50	S 5
M 6	21 24 12	19°32'44	3♉59	12°13	4° 7	22°56	1°38	2°39	0°18	6°24	5°15	28°46	29° 8	0°30	14°47	M 6
T 7	21 28 8	20°30'36	16°56	11°37	5° 0	23°34	1°46	2°42	0°17	6°25	5°17	28°R46	29° 5	0°36	14°45	T 7
W 8	21 32 5	21°28'31	29°32	11° 6	5°53	24°13	1°54	2°46	0°16	6°25	5°19	28°46	29° 2	0°43	14°42	W 8
T 9	21 36 1	22°26'27	11♊50	10°43	6°47	24°52	2° 2	2°49	0°15	6°26	5°20	28°45	28°59	0°50	14°40	T 9
F 10	21 39 58	23°24'25	23°55	10°27	7°42	25°30	2°10	2°52	0°14	6°27	5°22	28°45	28°56	0°56	14°37	F 10
S 11	21 43 54	24°22'25	5♋51	10°18	8°37	26° 9	2°18	2°55	0°12	6°28	5°24	28°44	28°52	1° 3	14°35	S 11
S 12	21 47 51	25°20'27	17°42	10°D17	9°33	26°48	2°27	2°58	0°11	6°29	5°26	28°44	28°49	1°10	14°32	S 12
M13	21 51 47	26°18'31	29°30	10°25	10°29	27°27	2°35	3° 1	0°10	6°29	5°28	28°43	28°46	1°16	14°29	M13
T 14	21 55 44	27°16'36	11♌19	10°41	11°25	28° 6	2°44	3° 4	0° 9	6°30	5°30	28°43	28°43	1°23	14°27	T 14
W15	21 59 41	28°14'44	23°11	11° 6	12°23	28°45	2°53	3° 7	0° 9	6°31	5°32	28°43	28°40	1°30	14°24	W15
T 16	22 3 37	29°12'53	5♍ 9	11°39	13°20	29°24	3° 1	3°10	0° 8	6°31	5°34	28°43	28°37	1°36	14°21	T 16
F 17	22 7 34	0♍11'03	17°14	12°20	14°18	0♎ 3	3°10	3°12	0° 7	6°32	5°36	28°43	28°33	1°43	14°19	F 17
S 18	22 11 30	1° 9'16	29°28	13° 9	15°17	0°43	3°19	3°15	0° 6	6°32	5°38	28°43	28°30	1°50	14°16	S 18
S 19	22 15 27	2° 7'30	11♎54	14° 5	16°16	1°22	3°29	3°17	0° 5	6°33	5°40	28°43	28°27	1°56	14°13	S 19
M20	22 19 23	3° 5'45	24°34	15° 9	17°15	2° 1	3°38	3°19	0° 5	6°33	5°42	28°42	28°24	2° 3	14°11	M20
T 21	22 23 20	4° 4'03	7♏28	16°20	18°15	2°40	3°47	3°21	0° 4	6°34	5°44	28°42	28°21	2°10	14° 8	T 21
W22	22 27 16	5° 2'22	20°40	17°36	19°15	3°20	3°57	3°23	0° 3	6°34	5°46	28°41	28°17	2°16	14° 5	W22
T 23	22 31 13	6° 0'42	4♐11	18°58	20°15	3°59	4° 6	3°25	0° 3	6°35	5°48	28°D41	28°14	2°23	14° 2	T 23
F 24	22 35 10	6°59'04	18° 2	20°26	21°16	4°39	4°16	3°27	0° 2	6°35	5°51	28°41	28°11	2°29	13°59	F 24
S 25	22 39 6	7°57'28	2♑13	21°58	22°17	5°19	4°26	3°29	0° 2	6°35	5°53	28°42	28° 8	2°36	13°57	S 25
S 26	22 43 3	8°55'53	16°42	23°34	23°19	5°58	4°36	3°30	0° 2	6°35	5°55	28°42	28° 5	2°43	13°54	S 26
M27	22 46 59	9°54'20	1♒26	25°14	24°21	6°38	4°46	3°32	0° 1	6°36	5°57	28°43	28° 2	2°49	13°51	M27
T 28	22 50 56	10°52'49	16°19	26°56	25°23	7°18	4°56	3°33	0° 1	6°36	5°59	28°44	27°58	2°56	13°48	T 28
W29	22 54 52	11°51'19	1♓14	28°41	26°26	7°57	5° 6	3°34	0° 1	6°36	6° 1	28°R44	27°55	3° 3	13°45	W29
T 30	22 58 49	12°49'51	16° 4	0♍28	27°28	8°37	5°16	3°36	0° 0	6°36	6° 4	28°44	27°52	3° 9	13°43	T 30
F 31	23 2 45	13♍48'26	0♈41	2♍16	28♋32	9♎17	5♏27	3♊37	0♑ 0	6♊36	6♎ 6	28♌42	27♌49	3♌16	13♓40	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n29	13s25	0n32	11n41	4s35	19n25	4s 8	4n43	0n42	10s55	1n 1	18n51	1s54	23s50	0s18	19n55	1s33	13n22	16n48	11n58	11n44	17n46	1s31	4n47
T 2	16 12	9 25	0s51	12 3	4 27	19 29	4 3	4 28	0 41	10 58	1 1	18 52	1 54	23 50	0 18	19 55	1 33	13 21	16 48	11 58	11 45	17 45	1 32	4 47
F 3	15 54	4 56	2 9	12 26	4 18	19 33	3 59	4 12	0 40	11 1	1 1	18 52	1 54	23 50	0 18	19 55	1 34	13 20	16 48	11 58	11 46	17 45	1 33	4 47
S 4	15 37	0 17	3 16	12 50	4 7	19 37	3 54	3 56	0 40	11 3	1 1	18 53	1 54	23 50	0 18	19 55	1 34	13 18	16 47	11 58	11 47	17 44	1 34	4 47
S 5	15 19	4n13	4 10	13 15	3 55	19 41	3 49	3 40	0 39	11 6	1 0	18 54	1 54	23 50	0 18	19 55	1 34	13 17	16 47	11 57	11 48	17 43	1 35	4 48
M 6	15 1	8 22	4 48	13 40	3 41	19 44	3 44	3 24	0 39	11 9	1 0	18 54	1 54	23 50	0 18	19 56	1 34	13 16	16 46	11 57	11 49	17 43	1 36	4 48
T 7	14 43	11 59	5 11	14 5	3 26	19 47	3 40	3 9	0 38	11 12	1 0	18 55	1 55	23 50	0 18	19 56	1 34	13 15	16 46	11 57	11 50	17 42	1 36	4 48
W 8	14 24	14 58	5 17	14 28	3 9	19 50	3 35	2 53	0 37	11 15	1 0	18 55	1 55	23 50	0 18	19 56	1 34	13 14	16 46	11 57	11 51	17 41	1 37	4 48
T 9	14 5	17 11	5 9	14 51	2 52	19 52	3 30	2 37	0 37	11 18	0 59	18 56	1 55	23 50	0 18	19 56	1 34	13 13	16 45	11 57	11 53	17 41	1 38	4 48
F 10	13 46	18 37	4 47	15 13	2 35	19 54	3 25	2 21	0 36	11 21	0 59	18 56	1 55	23 50	0 18	19 56	1 34	13 12	16 45	11 57	11 54	17 40	1 39	4 48
S 11	13 27	19 11	4 13	15 33	2 16	19 56	3 20	2 5	0 35	11 24	0 59	18 57	1 55	23 50	0 18	19 56	1 34	13 11	16 45	11 58	11 55	17 39	1 40	4 48
S 12	13 8	18 55	3 29	15 50	1 58	19 57	3 15	1 48	0 35	11 27	0 59	18 57	1 55	23 50	0 18	19 56	1 34	13 10	16 44	11 58	11 56	17 39	1 41	4 48
M13	12 48	17 48	2 35	16 6	1 40	19 58	3 10	1 32	0 34	11 30	0 59	18 58	1 55	23 50	0 18	19 56	1 34	13 9	16 44	11 58	11 57	17 38	1 42	4 48
T 14	12 28	15 56	1 35	16 19	1 21	19 59	3 5	1 16	0 34	11 33	0 58	18 58	1 56	23 50	0 18	19 56	1 34	13 8	16 44	11 58	11 58	17 37	1 43	4 48
W15	12 8	13 22	0 31	16 30	1 3	19 59	3 0	1 0	0 33	11 37	0 58	18 58	1 56	23 50	0 18	19 56	1 34	13 7	16 43	11 58	11 59	17 37	1 44	4 48
T 16	11 48	10 13	0n36	16 38	0 46	19 58	2 54	0 44	0 32	11 40	0 58	18 59	1 56	23 50	0 18	19 56	1 34	13 6	16 43	11 58	12 0	17 36	1 45	4 48
F 17	11 27	6 37	1 41	16 42	0 29	19 58	2 49	0 28	0 32	11 43	0 58	18 59	1 56	23 50	0 18	19 56	1 34	13 5	16 43	11 58	12 1	17 35	1 46	4 48
S 18	11 6	2 42	2 43	16 44	0 13	19 56	2 44	0 11	0 31	11 46	0 58	18 59	1 56	23 50	0 18	19 57	1 34	13 4	16 42	11 58	12 3	17 35	1 47	4 48
S 19	10 46	1s23	3 38	16 42	0n 2	19 55	2 39	0s 5	0 30	11 50	0 57	19 0	1 56	23 50	0 18	19 57	1 34	13 3	16 42	11 58	12 4	17 34	1 48	4 48
M20	10 25	5 29	4 23	16 37	0 17	19 53	2 34	0 21	0 30	11 53	0 57	19 0	1 56	23 50	0 18	19 57	1 34	13 2	16 42	11 58	12 5	17 33	1 49	4 48
T 21	10 3	9 23	4 56	16 29	0 30	19 50	2 28	0 37	0 29	11 56	0 57	19 0	1 57	23 50	0 18	19 57	1 34	13 1	16 42	11 59	12 6	17 32	1 50	4 48
W22	9 42	12 56	5 14	16 18	0 43	19 47	2 23	0 54	0 29	12 0	0 57	19 0	1 57	23 50	0 18	19 57	1 34	12 59	16 41	11 59	12 7	17 32	1 51	4 48
T 23	9 21	15 53	5 16	16 3	0 54	19 44	2 18	1 10	0 28	12 3	0 57	19 1	1 57	23 50	0 18	19 57	1 34	12 58	16 41	11 59	12 8	17 31	1 53	4 48
F 24	8 59	18 1	5 0	15 45	1 4	19 40	2 13	1 26	0 27	12 7	0 56	19 1	1 57	23 50	0 18	19 57	1 34	12 57	16 41	11 59	12 9	17 30	1 54	4 48
S 25	8 37	19 6	4 25	15 24	1 13	19 35	2 7	1 43	0 27	12 10	0 56	19 1	1 57	23 50	0 18	19 57	1 35	12 56	16 41	11 59	12 10	17 30	1 55	4 48
S 26	8 15	18 58	3 33	15 0	1 21	19 30	2 2	1 59	0 26	12 14	0 56	19 1	1 57	23 50	0 18	19 57	1 35	12 55	16 40	11 58	12 11	17 29	1 56	4 48
M27	7 53	17 33	2 26	14 33	1 28	19 25	1 57	2 15	0 25	12 17	0 56	19 1	1 57	23 50	0 18	19 57	1 35	12 54	16 40	11 58	12 12	17 28	1 57	4 48
T 28	7 31	14 55	1 8	14 4	1 34	19 19	1 52	2 32	0 25	12 21	0 56	19 1	1 58	23 50	0 18	19 57	1 35	12 53	16 40	11 58	12 14	17 27	1 58	4 48
W29	7 9	11 18	0s14	13 32	1 39	19 13	1 47	2 48	0 24	12 24	0 55	19 2	1 58	23 50	0 18	19 57	1 35	12 52	16 40	11 58	12 15	17 27	1 59	4 48
T 30	6 46	6 58	1 35	12 58	1 43	19 6	1 41	3 4	0 24	12 28	0 55	19 2	1 58	23 50	0 18	19 57	1 35	12 51	16 39	11 58	12 16	17 26	2 0	4 48
F 31	6n24	2s18	2s48	12n22	1n46	18n58	1s36	3s21	0n23	12s32	0n55	19n 2	1s58	23s50	0s18	19n57	1s35	12n50	16n39	11n58	12n17	17n25	2s 1	4n48

Julian Day Number = 2172353.5, Delta T = 12m12s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'50, Lahiri = 13°11'51 Julian Calendar 1 Aug. 1235 == Greg. Calendar 8 Aug. 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

SEPTEMBER 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 6 42	14♍47'02	14♈58	4♍ 6	29♋35	9♎57	5♏37	3♊38	0°R 0	6♊36	6♎ 8	28°R40	27♌46	3♌23	13°R37	S 1
S 2	23 10 39	15°45'40	28°51	5°56	0♌39	10°37	5°48	3°38	0°D 0	6°36	6°10	28♌38	27°43	3°29	13♓34	S 2
M 3	23 14 35	16°44'21	12♉19	7°47	1°43	11°17	5°58	3°39	0♑ 0	6°R36	6°13	28°36	27°39	3°36	13°31	M 3
T 4	23 18 32	17°43'04	25°21	9°38	2°47	11°57	6° 9	3°40	0° 0	6°36	6°15	28°34	27°36	3°43	13°29	T 4
W 5	23 22 28	18°41'49	8♊ 1	11°29	3°52	12°38	6°20	3°40	0° 0	6°36	6°17	28°33	27°33	3°49	13°26	W 5
T 6	23 26 25	19°40'37	20°20	13°20	4°57	13°18	6°31	3°41	0° 1	6°36	6°20	28°D32	27°30	3°56	13°23	T 6
F 7	23 30 21	20°39'27	2♋25	15°11	6° 2	13°58	6°42	3°41	0° 1	6°36	6°22	28°33	27°27	4° 3	13°20	F 7
S 8	23 34 18	21°38'19	14°20	17° 2	7° 7	14°39	6°53	3°41	0° 1	6°36	6°24	28°34	27°23	4° 9	13°17	S 8
S 9	23 38 14	22°37'13	26° 9	18°51	8°13	15°19	7° 4	3°R41	0° 1	6°36	6°26	28°36	27°20	4°16	13°15	S 9
M10	23 42 11	23°36'10	7♌57	20°41	9°19	15°59	7°15	3°41	0° 2	6°36	6°29	28°37	27°17	4°23	13°12	M10
T 11	23 46 7	24°35'09	19°48	22°29	10°25	16°40	7°27	3°41	0° 2	6°35	6°31	28°39	27°14	4°29	13° 9	T 11
W12	23 50 4	25°34'10	1♍46	24°17	11°32	17°21	7°38	3°41	0° 3	6°35	6°33	28°R39	27°11	4°36	13° 6	W12
T 13	23 54 1	26°33'13	13°54	26° 4	12°38	18° 1	7°49	3°40	0° 3	6°35	6°36	28°38	27° 8	4°43	13° 4	T 13
F 14	23 57 57	27°32'19	26°13	27°50	13°45	18°42	8° 1	3°40	0° 4	6°34	6°38	28°35	27° 4	4°49	13° 1	F 14
S 15	0 1 54	28°31'26	8♎44	29°36	14°52	19°23	8°13	3°39	0° 4	6°34	6°40	28°32	27° 1	4°56	12°58	S 15
S 16	0 5 50	29°30'36	21°29	1♎20	15°59	20° 4	8°24	3°39	0° 5	6°34	6°43	28°27	26°58	5° 3	12°56	S 16
M17	0 9 47	0♎29'47	4♏28	3° 4	17° 7	20°44	8°36	3°38	0° 6	6°33	6°45	28°21	26°55	5° 9	12°53	M17
T 18	0 13 43	1°29'01	17°40	4°47	18°14	21°25	8°48	3°37	0° 6	6°33	6°48	28°16	26°52	5°16	12°50	T 18
W19	0 17 40	2°28'16	1♐ 5	6°29	19°22	22° 6	9° 0	3°36	0° 7	6°32	6°50	28°12	26°48	5°23	12°48	W19
T 20	0 21 36	3°27'33	14°43	8°11	20°30	22°48	9°11	3°35	0° 8	6°31	6°52	28° 9	26°45	5°29	12°45	T 20
F 21	0 25 33	4°26'52	28°32	9°51	21°38	23°29	9°23	3°33	0° 9	6°31	6°55	28°D 7	26°42	5°36	12°43	F 21
S 22	0 29 30	5°26'13	12♑34	11°31	22°47	24°10	9°36	3°32	0°10	6°30	6°57	28° 7	26°39	5°43	12°40	S 22
S 23	0 33 26	6°25'36	26°46	13°10	23°55	24°51	9°48	3°31	0°11	6°30	6°59	28° 8	26°36	5°49	12°38	S 23
M24	0 37 23	7°25'00	11♒ 7	14°48	25° 4	25°32	10° 0	3°29	0°12	6°29	7° 2	28°10	26°33	5°56	12°35	M24
T 25	0 41 19	8°24'26	25°35	16°26	26°13	26°14	10°12	3°27	0°13	6°28	7° 4	28°R11	26°29	6° 2	12°33	T 25
W26	0 45 16	9°23'54	10♓ 6	18° 3	27°22	26°55	10°24	3°26	0°14	6°28	7° 7	28°10	26°26	6° 9	12°30	W26
T 27	0 49 12	10°23'24	24°34	19°39	28°31	27°36	10°37	3°24	0°16	6°27	7° 9	28° 8	26°23	6°16	12°28	T 27
F 28	0 53 9	11°22'56	8♈54	21°15	29°40	28°18	10°49	3°22	0°17	6°26	7°11	28° 3	26°20	6°22	12°25	F 28
S 29	0 57 5	12°22'30	23° 0	22°50	0♍50	29° 0	11° 1	3°20	0°18	6°25	7°14	27°57	26°17	6°29	12°23	S 29
S 30	1 1 2	13♎22'06	6♉48	24♎24	2♍ 0	29♎41	11♏14	3♊17	0♑20	6♊24	7♎16	27♌49	26♌14	6♌36	12♓21	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 1	2n24	3s49	11n44	1n48	18n50	1s31	3s37	0n22	12s35	0n55	19n 2	1s58	23s50	0s18	19n57	1s35	12n49	16n39	11n59	12n18	17n24	2s 3	4n48
S 2	5 38	6 50	4 35	11 4	1 50	18 42	1 26	3 53	0 22	12 39	0 55	19 2	1 58	23 50	0 18	19 57	1 35	12 48	16 39	12 0	12 19	17 24	2 4	4 48
M 3	5 15	10 47	5 3	10 23	1 50	18 33	1 21	4 10	0 21	12 43	0 55	19 2	1 59	23 50	0 18	19 56	1 35	12 47	16 39	12 1	12 20	17 23	2 5	4 47
T 4	4 52	14 4	5 15	9 41	1 50	18 23	1 16	4 26	0 20	12 46	0 54	19 2	1 59	23 50	0 18	19 56	1 35	12 46	16 39	12 1	12 21	17 22	2 6	4 47
W 5	4 29	16 36	5 12	8 58	1 49	18 13	1 11	4 42	0 20	12 50	0 54	19 2	1 59	23 50	0 18	19 56	1 35	12 45	16 38	12 2	12 22	17 21	2 7	4 47
T 6	4 6	18 18	4 53	8 14	1 48	18 2	1 6	4 59	0 19	12 54	0 54	19 2	1 59	23 50	0 18	19 56	1 35	12 44	16 38	12 2	12 23	17 21	2 8	4 47
F 7	3 43	19 8	4 23	7 29	1 46	17 51	1 1	5 15	0 19	12 58	0 54	19 1	1 59	23 50	0 18	19 56	1 35	12 43	16 38	12 2	12 25	17 20	2 9	4 47
S 8	3 20	19 6	3 41	6 44	1 43	17 40	0 56	5 31	0 18	13 1	0 54	19 1	1 59	23 50	0 18	19 56	1 35	12 42	16 38	12 1	12 26	17 19	2 11	4 47
S 9	2 56	18 14	2 50	5 58	1 40	17 28	0 51	5 47	0 17	13 5	0 53	19 1	1 59	23 50	0 18	19 56	1 35	12 41	16 38	12 1	12 27	17 18	2 12	4 47
M10	2 33	16 33	1 52	5 11	1 37	17 15	0 46	6 4	0 17	13 9	0 53	19 1	2 0	23 50	0 18	19 56	1 35	12 40	16 38	12 0	12 28	17 18	2 13	4 47
T 11	2 10	14 10	0 49	4 25	1 33	17 2	0 41	6 20	0 16	13 13	0 53	19 1	2 0	23 50	0 18	19 56	1 35	12 39	16 38	12 0	12 29	17 17	2 14	4 47
W12	1 46	11 9	0n17	3 38	1 28	16 48	0 37	6 36	0 15	13 17	0 53	19 1	2 0	23 50	0 18	19 56	1 35	12 38	16 38	11 59	12 30	17 16	2 15	4 47
T 13	1 23	7 38	1 23	2 51	1 24	16 34	0 32	6 52	0 15	13 21	0 53	19 0	2 0	23 50	0 18	19 56	1 35	12 37	16 37	12 0	12 31	17 15	2 16	4 46
F 14	0 59	3 44	2 26	2 4	1 19	16 20	0 27	7 8	0 14	13 24	0 53	19 0	2 0	23 50	0 18	19 56	1 35	12 36	16 37	12 1	12 32	17 14	2 17	4 46
S 15	0 35	0s23	3 22	1 17	1 13	16 5	0 23	7 24	0 14	13 28	0 53	19 0	2 0	23 50	0 18	19 55	1 36	12 35	16 37	12 2	12 33	17 14	2 19	4 46
S 16	0 12	4 33	4 10	0 30	1 8	15 49	0 18	7 40	0 13	13 32	0 52	19 0	2 0	23 50	0 18	19 55	1 36	12 34	16 37	12 4	12 34	17 13	2 20	4 46
M17	0s12	8 35	4 45	0s16	1 2	15 33	0 14	7 56	0 12	13 36	0 52	18 59	2 1	23 50	0 18	19 55	1 36	12 33	16 37	12 6	12 35	17 12	2 21	4 46
T 18	0 36	12 16	5 7	1 3	0 56	15 17	0 9	8 12	0 12	13 40	0 52	18 59	2 1	23 50	0 18	19 55	1 36	12 32	16 37	12 7	12 37	17 11	2 22	4 46
W19	0 59	15 23	5 11	1 49	0 50	15 0	0 5	8 28	0 11	13 44	0 52	18 59	2 1	23 50	0 18	19 55	1 36	12 31	16 37	12 9	12 38	17 10	2 23	4 46
T 20	1 23	17 42	4 59	2 35	0 44	14 42	0 1	8 44	0 10	13 48	0 52	18 58	2 1	23 50	0 18	19 55	1 36	12 30	16 37	12 10	12 39	17 10	2 24	4 45
F 21	1 46	19 3	4 29	3 20	0 38	14 24	0n 4	9 0	0 10	13 52	0 52	18 58	2 1	23 50	0 18	19 55	1 36	12 29	16 37	12 11	12 40	17 9	2 25	4 45
S 22	2 10	19 14	3 43	4 6	0 31	14 6	0 8	9 16	0 9	13 56	0 52	18 58	2 1	23 50	0 18	19 55	1 36	12 28	16 37	12 10	12 41	17 8	2 27	4 45
S 23	2 34	18 14	2 43	4 51	0 25	13 47	0 12	9 32	0 9	14 0	0 51	18 57	2 1	23 50	0 18	19 54	1 36	12 27	16 37	12 10	12 42	17 7	2 28	4 45
M24	2 57	16 2	1 32	5 35	0 18	13 28	0 16	9 47	0 8	14 4	0 51	18 57	2 1	23 50	0 18	19 54	1 36	12 26	16 37	12 10	12 43	17 6	2 29	4 45
T 25	3 21	12 49	0 14	6 19	0 11	13 9	0 20	10 3	0 7	14 8	0 51	18 56	2 2	23 50	0 18	19 54	1 36	12 25	16 37	12 9	12 44	17 6	2 30	4 45
W26	3 44	8 48	1s 4	7 2	0 4	12 49	0 24	10 19	0 7	14 12	0 51	18 56	2 2	23 50	0 18	19 54	1 36	12 24	16 37	12 10	12 45	17 5	2 31	4 44
T 27	4 8	4 17	2 18	7 45	0s 2	12 28	0 28	10 34	0 6	14 16	0 51	18 55	2 2	23 50	0 18	19 54	1 36	12 24	16 37	12 10	12 46	17 4	2 32	4 44
F 28	4 31	0n26	3 23	8 28	0 9	12 7	0 31	10 50	0 5	14 20	0 51	18 55	2 2	23 50	0 18	19 54	1 36	12 23	16 37	12 12	12 47	17 3	2 33	4 44
S 29	4 55	5 3	4 13	9 10	0 16	11 46	0 35	11 5	0 5	14 24	0 51	18 54	2 2	23 50	0 18	19 53	1 36	12 22	16 37	12 14	12 49	17 2	2 34	4 44
S 30	5s18	9n18	4s48	9s51	0s23	11n25	0n39	11s20	0n 4	14s28	0n51	18n54	2s 2	23s50	0s18	19n53	1s36	12n21	16n37	12n17	12n50	17n 1	2s35	4n44

Julian Day Number = 2172384.5, Delta T = 12m12s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'54, Lahiri = 13°11'55 Julian Calendar 1 Sept. 1235 == Greg. Calendar 8 Sept. 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

OCTOBER 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 4 58	14♎21'44	20♉15	25♎57	3♍ 9	0♏23	11♏26	3°R15	0♑21	6°R23	7♎18	27°R41	26♌10	6♌42	12°R18	M 1
T 2	1 8 55	15°21'25	3♊18	27°30	4°19	1° 5	11°39	3♊13	0°23	6♊22	7°21	27♌34	26° 7	6°49	12♓16	T 2
W 3	1 12 52	16°21'07	15°59	29° 3	5°30	1°46	11°52	3°10	0°24	6°22	7°23	27°28	26° 4	6°56	12°14	W 3
T 4	1 16 48	17°20'52	28°21	0♏35	6°40	2°28	12° 4	3° 8	0°26	6°21	7°26	27°24	26° 1	7° 2	12°12	T 4
F 5	1 20 45	18°20'40	10♋27	2° 6	7°50	3°10	12°17	3° 5	0°27	6°20	7°28	27°22	25°58	7° 9	12°10	F 5
S 6	1 24 41	19°20'29	22°22	3°37	9° 1	3°52	12°30	3° 2	0°29	6°19	7°30	27°D21	25°54	7°16	12° 8	S 6
S 7	1 28 38	20°20'21	4♌11	5° 7	10°12	4°34	12°42	2°59	0°31	6°17	7°33	27°22	25°51	7°22	12° 6	S 7
M 8	1 32 34	21°20'15	15°59	6°36	11°23	5°16	12°55	2°56	0°32	6°16	7°35	27°23	25°48	7°29	12° 4	M 8
T 9	1 36 31	22°20'11	27°52	8° 5	12°34	5°58	13° 8	2°53	0°34	6°15	7°37	27°R24	25°45	7°36	12° 2	T 9
W10	1 40 27	23°20'10	9♍55	9°34	13°45	6°40	13°21	2°50	0°36	6°14	7°40	27°23	25°42	7°42	12° 0	W10
T 11	1 44 24	24°20'10	22°11	11° 1	14°56	7°23	13°34	2°47	0°38	6°13	7°42	27°20	25°39	7°49	11°58	T 11
F 12	1 48 21	25°20'13	4♎43	12°29	16° 7	8° 5	13°47	2°43	0°40	6°12	7°44	27°14	25°35	7°56	11°56	F 12
S 13	1 52 17	26°20'17	17°32	13°55	17°19	8°47	14° 0	2°40	0°42	6°11	7°46	27° 6	25°32	8° 2	11°54	S 13
S 14	1 56 14	27°20'24	0♏39	15°21	18°30	9°30	14°13	2°36	0°44	6° 9	7°49	26°56	25°29	8° 9	11°52	S 14
M15	2 0 10	28°20'32	14° 3	16°46	19°42	10°12	14°26	2°33	0°46	6° 8	7°51	26°45	25°26	8°16	11°51	M15
T 16	2 4 7	29°20'43	27°40	18°11	20°54	10°55	14°39	2°29	0°48	6° 7	7°53	26°35	25°23	8°22	11°49	T 16
W17	2 8 3	0♏20'55	11♐28	19°34	22° 6	11°37	14°52	2°25	0°50	6° 6	7°56	26°25	25°20	8°29	11°47	W17
T 18	2 12 0	1°21'08	25°24	20°57	23°18	12°20	15° 5	2°22	0°52	6° 4	7°58	26°18	25°16	8°35	11°46	T 18
F 19	2 15 56	2°21'24	9♑25	22°19	24°30	13° 3	15°19	2°18	0°55	6° 3	8° 0	26°13	25°13	8°42	11°44	F 19
S 20	2 19 53	3°21'40	23°29	23°40	25°42	13°45	15°32	2°14	0°57	6° 2	8° 2	26°11	25°10	8°49	11°43	S 20
S 21	2 23 50	4°21'59	7♒35	25° 0	26°54	14°28	15°45	2°10	0°59	6° 0	8° 4	26°D11	25° 7	8°55	11°41	S 21
M22	2 27 46	5°22'18	21°41	26°19	28° 6	15°11	15°58	2° 6	1° 2	5°59	8° 7	26°R11	25° 4	9° 2	11°40	M22
T 23	2 31 43	6°22'39	5♓47	27°36	29°19	15°54	16°12	2° 2	1° 4	5°57	8° 9	26°11	25° 0	9° 9	11°39	T 23
W24	2 35 39	7°23'02	19°52	28°52	0♎31	16°37	16°25	1°57	1° 6	5°56	8°11	26° 9	24°57	9°15	11°37	W24
T 25	2 39 36	8°23'26	3♈52	0♐ 6	1°44	17°20	16°38	1°53	1° 9	5°54	8°13	26° 4	24°54	9°22	11°36	T 25
F 26	2 43 32	9°23'51	17°47	1°19	2°57	18° 3	16°51	1°49	1°11	5°53	8°15	25°56	24°51	9°29	11°35	F 26
S 27	2 47 29	10°24'18	1♉31	2°29	4° 9	18°46	17° 5	1°44	1°14	5°51	8°17	25°46	24°48	9°35	11°34	S 27
S 28	2 51 25	11°24'47	15° 2	3°37	5°22	19°29	17°18	1°40	1°16	5°50	8°19	25°34	24°45	9°42	11°33	S 28
M29	2 55 22	12°25'17	28°16	4°42	6°35	20°13	17°31	1°35	1°19	5°48	8°21	25°21	24°41	9°49	11°32	M29
T 30	2 59 19	13°25'49	11♊12	5°45	7°48	20°56	17°45	1°31	1°22	5°47	8°23	25° 8	24°38	9°55	11°31	T 30
W31	3 3 15	14♏26'23	23♊50	6♐44	9♎ 1	21♏39	17♏58	1♊26	1♑24	5♊45	8♎25	24♌58	24♌35	10♌ 2	11♓30	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s41	12n58	5s 6	10s32	0s30	11n 3	0n42	11s36	0n 4	14s32	0n50	18n53	2s 2	23s50	0s18	19n53	1s36	12n20	16n37	12n20	12n51	17n 0	2s36	4n43
T 2	6 4	15 53	5 7	11 12	0 37	10 40	0 46	11 51	0 3	14 36	0 50	18 53	2 2	23 50	0 18	19 53	1 36	12 19	16 38	12 22	12 52	17 0	2 37	4 43
W 3	6 27	17 57	4 52	11 51	0 43	10 18	0 49	12 6	0 2	14 40	0 50	18 52	2 3	23 50	0 18	19 53	1 36	12 18	16 38	12 24	12 53	16 59	2 38	4 43
T 4	6 50	19 7	4 25	12 30	0 50	9 55	0 52	12 21	0 2	14 44	0 50	18 52	2 3	23 50	0 18	19 52	1 36	12 18	16 38	12 26	12 54	16 58	2 39	4 43
F 5	7 13	19 22	3 46	13 8	0 57	9 31	0 56	12 36	0 1	14 48	0 50	18 51	2 3	23 50	0 18	19 52	1 36	12 17	16 38	12 26	12 55	16 57	2 40	4 42
S 6	7 36	18 45	2 57	13 46	1 3	9 8	0 59	12 51	0 1	14 52	0 50	18 50	2 3	23 50	0 18	19 52	1 36	12 16	16 38	12 26	12 56	16 56	2 41	4 42
S 7	7 59	17 19	2 2	14 23	1 10	8 44	1 2	13 6	0s 0	14 56	0 50	18 50	2 3	23 50	0 18	19 52	1 36	12 15	16 38	12 26	12 57	16 55	2 42	4 42
M 8	8 21	15 8	1 1	14 59	1 16	8 19	1 5	13 21	0 1	15 0	0 50	18 49	2 3	23 50	0 18	19 52	1 36	12 14	16 38	12 26	12 58	16 54	2 43	4 42
T 9	8 44	12 18	0n 3	15 34	1 23	7 55	1 8	13 35	0 1	15 4	0 49	18 48	2 3	23 50	0 18	19 51	1 36	12 14	16 38	12 26	12 59	16 54	2 44	4 42
W10	9 6	8 55	1 7	16 8	1 29	7 30	1 10	13 50	0 2	15 8	0 49	18 48	2 3	23 50	0 18	19 51	1 36	12 13	16 39	12 26	13 0	16 53	2 45	4 41
T 11	9 28	5 5	2 9	16 42	1 35	7 5	1 13	14 4	0 3	15 12	0 49	18 47	2 3	23 50	0 18	19 51	1 37	12 12	16 39	12 27	13 1	16 52	2 46	4 41
F 12	9 50	0 58	3 6	17 15	1 41	6 39	1 16	14 19	0 3	15 16	0 49	18 46	2 3	23 50	0 18	19 51	1 37	12 11	16 39	12 29	13 3	16 51	2 47	4 41
S 13	10 12	3s17	3 55	17 46	1 47	6 14	1 18	14 33	0 4	15 19	0 49	18 46	2 3	23 50	0 18	19 50	1 37	12 11	16 39	12 32	13 4	16 50	2 48	4 41
S 14	10 34	7 29	4 33	18 17	1 52	5 48	1 21	14 47	0 4	15 23	0 49	18 45	2 4	23 50	0 18	19 50	1 37	12 10	16 39	12 35	13 5	16 49	2 49	4 40
M15	10 56	11 24	4 56	18 47	1 57	5 22	1 23	15 1	0 5	15 27	0 49	18 44	2 4	23 50	0 18	19 50	1 37	12 9	16 39	12 39	13 6	16 48	2 50	4 40
T 16	11 17	14 47	5 4	19 16	2 3	4 56	1 25	15 15	0 6	15 31	0 49	18 43	2 4	23 50	0 18	19 50	1 37	12 9	16 40	12 42	13 7	16 47	2 51	4 40
W17	11 38	17 24	4 53	19 44	2 7	4 29	1 27	15 29	0 6	15 35	0 49	18 43	2 4	23 50	0 18	19 49	1 37	12 8	16 40	12 46	13 8	16 46	2 52	4 40
T 18	12 0	19 2	4 26	20 11	2 12	4 2	1 29	15 43	0 7	15 39	0 49	18 42	2 4	23 50	0 18	19 49	1 37	12 7	16 40	12 48	13 9	16 45	2 53	4 39
F 19	12 20	19 31	3 42	20 37	2 16	3 36	1 31	15 56	0 8	15 43	0 48	18 41	2 4	23 50	0 18	19 49	1 37	12 7	16 40	12 50	13 10	16 45	2 53	4 39
S 20	12 41	18 47	2 45	21 2	2 21	3 9	1 33	16 10	0 8	15 47	0 48	18 40	2 4	23 50	0 18	19 49	1 37	12 6	16 41	12 50	13 11	16 44	2 54	4 39
S 21	13 2	16 53	1 37	21 26	2 24	2 41	1 35	16 23	0 9	15 51	0 48	18 39	2 4	23 50	0 18	19 48	1 37	12 5	16 41	12 51	13 12	16 43	2 55	4 38
M22	13 22	13 57	0 24	21 48	2 28	2 14	1 37	16 36	0 9	15 55	0 48	18 38	2 4	23 50	0 18	19 48	1 37	12 5	16 41	12 50	13 13	16 42	2 56	4 38
T 23	13 42	10 13	0s51	22 9	2 31	1 47	1 38	16 49	0 10	15 59	0 48	18 38	2 4	23 50	0 18	19 48	1 37	12 4	16 41	12 51	13 14	16 41	2 57	4 38
W24	14 2	5 54	2 2	22 29	2 33	1 19	1 40	17 2	0 11	16 3	0 48	18 37	2 4	23 50	0 18	19 48	1 37	12 4	16 42	12 51	13 15	16 40	2 57	4 38
T 25	14 22	1 18	3 6	22 47	2 36	0 51	1 41	17 15	0 11	16 7	0 48	18 36	2 4	23 50	0 18	19 47	1 37	12 3	16 42	12 53	13 16	16 39	2 58	4 37
F 26	14 41	3n21	3 58	23 4	2 37	0 24	1 43	17 28	0 12	16 11	0 48	18 35	2 4	23 50	0 18	19 47	1 37	12 2	16 42	12 55	13 18	16 38	2 59	4 37
S 27	15 0	7 45	4 35	23 20	2 38	0s 4	1 44	17 41	0 12	16 14	0 48	18 34	2 4	23 50	0 18	19 47	1 37	12 2	16 42	12 59	13 19	16 37	2 59	4 37
S 28	15 19	11 41	4 56	23 34	2 39	0 32	1 45	17 53	0 13	16 18	0 48	18 33	2 4	23 50	0 18	19 47	1 37	12 1	16 43	13 3	13 20	16 36	3 0	4 36
M29	15 38	14 58	5 1	23 46	2 39	1 0	1 46	18 5	0 14	16 22	0 48	18 32	2 4	23 50	0 18	19 46	1 37	12 1	16 43	13 7	13 21	16 35	3 1	4 36
T 30	15 56	17 26	4 49	23 57	2 38	1 28	1 47	18 17	0 14	16 26	0 48	18 31	2 4	23 50	0 18	19 46	1 37	12 0	16 43	13 12	13 22	16 34	3 1	4 36
W31	16s14	19n 0	4s24	24s 6	2s37	1s56	1n48	18s29	0s15	16s30	0n47	18n30	2s 4	23s49	0s18	19n46	1s37	12n 0	16n44	13n15	13n23	16n33	3s 2	4n36

Julian Day Number = 2172414.5, Delta T = 12m12s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°04'59, Lahiri = 13°11'59 Julian Calendar 1 Oct. 1235 == Greg. Calendar 8 Oct. 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

NOVEMBER 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 12	15♏26'58	6♋10	7♐39	10♎15	22♏23	18♏12	1°R22	1♑27	5°R44	8♎27	24°R49	24♌32	10♌ 9	11°R29	T 1
F 2	3 11 8	16°27'35	18°15	8°30	11°28	23° 6	18°25	1♊17	1°30	5♊42	8°29	24♌44	24°29	10°15	11♓28	F 2
S 3	3 15 5	17°28'14	0♌ 9	9°17	12°41	23°50	18°38	1°12	1°33	5°41	8°31	24°41	24°25	10°22	11°27	S 3
S 4	3 19 1	18°28'55	11°58	9°57	13°55	24°33	18°52	1° 7	1°36	5°39	8°33	24°40	24°22	10°29	11°27	S 4
M 5	3 22 58	19°29'37	23°46	10°32	15° 8	25°17	19° 5	1° 3	1°38	5°37	8°35	24°40	24°19	10°35	11°26	M 5
T 6	3 26 54	20°30'21	5♍39	11° 0	16°22	26° 1	19°19	0°58	1°41	5°36	8°37	24°39	24°16	10°42	11°25	T 6
W 7	3 30 51	21°31'06	17°43	11°20	17°35	26°44	19°32	0°53	1°44	5°34	8°39	24°38	24°13	10°48	11°25	W 7
T 8	3 34 48	22°31'53	0♎ 2	11°31	18°49	27°28	19°45	0°48	1°47	5°33	8°41	24°34	24°10	10°55	11°24	T 8
F 9	3 38 44	23°32'42	12°41	11°R34	20° 3	28°12	19°59	0°43	1°50	5°31	8°43	24°27	24° 6	11° 2	11°24	F 9
S 10	3 42 41	24°33'31	25°42	11°26	21°16	28°56	20°12	0°38	1°53	5°29	8°45	24°18	24° 3	11° 8	11°24	S 10
S 11	3 46 37	25°34'23	9♏ 6	11° 8	22°30	29°40	20°26	0°33	1°56	5°28	8°46	24° 6	24° 0	11°15	11°23	S 11
M12	3 50 34	26°35'16	22°52	10°39	23°44	0♐24	20°39	0°28	1°59	5°26	8°48	23°53	23°57	11°22	11°23	M12
T 13	3 54 30	27°36'10	6♐55	9°59	24°58	1° 8	20°52	0°23	2° 2	5°24	8°50	23°40	23°54	11°28	11°23	T 13
W14	3 58 27	28°37'05	21°12	9° 8	26°12	1°52	21° 6	0°18	2° 5	5°22	8°52	23°29	23°51	11°35	11°23	W14
T 15	4 2 23	29°38'01	5♑35	8° 7	27°26	2°36	21°19	0°13	2° 9	5°21	8°53	23°20	23°47	11°42	11°23	T 15
F 16	4 6 20	0♐38'58	19°59	6°57	28°40	3°20	21°32	0° 9	2°12	5°19	8°55	23°14	23°44	11°48	11°D23	F 16
S 17	4 10 17	1°39'56	4♒19	5°40	29°54	4° 5	21°46	0° 4	2°15	5°17	8°57	23°11	23°41	11°55	11°23	S 17
S 18	4 14 13	2°40'55	18°32	4°19	1♏ 8	4°49	21°59	29♉59	2°18	5°16	8°58	23°D10	23°38	12° 2	11°23	S 18
M19	4 18 10	3°41'54	2♓38	2°56	2°22	5°33	22°12	29°54	2°21	5°14	9° 0	23°R10	23°35	12° 8	11°23	M19
T 20	4 22 6	4°42'54	16°34	1°35	3°37	6°18	22°26	29°49	2°25	5°12	9° 2	23° 9	23°31	12°15	11°23	T 20
W21	4 26 3	5°43'54	0♈21	0°16	4°51	7° 2	22°39	29°44	2°28	5°11	9° 3	23° 7	23°28	12°22	11°24	W21
T 22	4 29 59	6°44'55	13°59	29♏ 4	6° 5	7°47	22°52	29°39	2°31	5° 9	9° 5	23° 3	23°25	12°28	11°24	T 22
F 23	4 33 56	7°45'57	27°28	28° 0	7°20	8°31	23° 5	29°34	2°35	5° 7	9° 6	22°55	23°22	12°35	11°24	F 23
S 24	4 37 52	8°46'59	10♉47	27° 6	8°34	9°16	23°19	29°29	2°38	5° 5	9° 7	22°45	23°19	12°42	11°25	S 24
S 25	4 41 49	9°48'02	23°54	26°23	9°48	10° 1	23°32	29°24	2°41	5° 4	9° 9	22°32	23°16	12°48	11°25	S 25
M26	4 45 46	10°49'06	6♊49	25°50	11° 3	10°45	23°45	29°19	2°45	5° 2	9°10	22°19	23°12	12°55	11°26	M26
T 27	4 49 42	11°50'10	19°30	25°29	12°17	11°30	23°58	29°15	2°48	5° 0	9°12	22° 7	23° 9	13° 1	11°27	T 27
W28	4 53 39	12°51'15	1♋56	25°D19	13°32	12°15	24°11	29°10	2°51	4°59	9°13	21°55	23° 6	13° 8	11°27	W28
T 29	4 57 35	13°52'21	14° 9	25°19	14°46	13° 0	24°24	29° 5	2°55	4°57	9°14	21°47	23° 3	13°15	11°28	T 29
F 30	5 1 32	14♐53'27	26♋11	25♏29	16♏ 1	13♐45	24♏37	29♉ 0	2♑58	4♊55	9♎16	21♌41	23♌ 0	13♌21	11♓29	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16s32	19n37	3s47	24s13	2s34	2s24	1n49	18s41	0s16	16s34	0n47	18n29	2s 4	23s49	0s18	19n45	1s37	11n59	16n44	13n18	13n24	16n32	3s 3	4n35	
F 2	16 50	19 19	3 0	24 18	2 31	2 53	1 49	18 53	0 16	16 37	0 47	18 28	2 4	23 49	0 18	19 45	1 37	11 59	16 44	13 20	13 25	16 31	3 3	4 35	
S 3	17 7	18 9	2 6	24 21	2 27	3 21	1 50	19 5	0 17	16 41	0 47	18 28	2 4	23 49	0 18	19 45	1 37	11 58	16 45	13 21	13 26	16 30	3 4	4 35	
S 4	17 24	16 12	1 7	24 22	2 22	3 49	1 51	19 16	0 17	16 45	0 47	18 27	2 4	23 49	0 18	19 45	1 37	11 58	16 45	13 21	13 27	16 29	3 4	4 34	
M 5	17 41	13 35	0 5	24 21	2 15	4 17	1 51	19 27	0 18	16 49	0 47	18 26	2 4	23 49	0 18	19 44	1 37	11 58	16 45	13 21	13 28	16 29	3 5	4 34	
T 6	17 57	10 22	0n58	24 17	2 8	4 45	1 51	19 38	0 19	16 52	0 47	18 25	2 4	23 49	0 18	19 44	1 37	11 57	16 46	13 21	13 29	16 28	3 5	4 34	
W 7	18 13	6 42	1 59	24 11	1 59	5 13	1 51	19 49	0 19	16 56	0 47	18 24	2 4	23 49	0 18	19 44	1 37	11 57	16 46	13 22	13 30	16 27	3 6	4 33	
T 8	18 29	2 40	2 56	24 3	1 49	5 41	1 52	20 0	0 20	17 0	0 47	18 23	2 4	23 49	0 18	19 43	1 37	11 56	16 47	13 23	13 31	16 26	3 6	4 33	
F 9	18 44	1s35	3 45	23 52	1 37	6 9	1 52	20 10	0 20	17 3	0 47	18 22	2 4	23 49	0 18	19 43	1 37	11 56	16 47	13 25	13 32	16 25	3 7	4 33	
S 10	18 59	5 52	4 24	23 37	1 24	6 36	1 52	20 21	0 21	17 7	0 47	18 21	2 4	23 49	0 18	19 43	1 37	11 56	16 47	13 29	13 33	16 24	3 7	4 33	
S 11	19 14	10 0	4 50	23 20	1 9	7 4	1 52	20 31	0 22	17 11	0 47	18 20	2 4	23 49	0 18	19 42	1 37	11 55	16 48	13 32	13 34	16 23	3 7	4 32	
M12	19 28	13 43	5 0	23 0	0 52	7 31	1 51	20 41	0 22	17 14	0 47	18 19	2 4	23 49	0 18	19 42	1 37	11 55	16 48	13 37	13 36	16 22	3 8	4 32	
T 13	19 42	16 45	4 52	22 37	0 35	7 59	1 51	20 50	0 23	17 18	0 47	18 18	2 4	23 49	0 18	19 42	1 37	11 55	16 49	13 41	13 37	16 21	3 8	4 32	
W14	19 56	18 49	4 26	22 10	0 16	8 26	1 51	21 0	0 23	17 21	0 47	18 17	2 4	23 49	0 18	19 42	1 37	11 55	16 49	13 45	13 38	16 20	3 9	4 31	
T 15	20 9	19 42	3 43	21 41	0n 4	8 53	1 50	21 9	0 24	17 25	0 47	18 16	2 4	23 49	0 18	19 41	1 37	11 54	16 50	13 48	13 39	16 19	3 9	4 31	
F 16	20 22	19 18	2 46	21 10	0 24	9 20	1 50	21 19	0 24	17 28	0 46	18 15	2 3	23 49	0 18	19 41	1 37	11 54	16 50	13 50	13 40	16 18	3 9	4 31	
S 17	20 35	17 40	1 38	20 36	0 45	9 47	1 49	21 28	0 25	17 32	0 46	18 14	2 3	23 49	0 18	19 41	1 37	11 54	16 50	13 51	13 41	16 17	3 9	4 30	
S 18	20 47	14 57	0 24	20 2	1 5	10 13	1 49	21 36	0 26	17 35	0 46	18 13	2 3	23 49	0 18	19 40	1 37	11 54	16 51	13 51	13 42	16 16	3 10	4 30	
M19	20 59	11 21	0s50	19 27	1 24	10 40	1 48	21 45	0 26	17 39	0 46	18 12	2 3	23 49	0 18	19 40	1 37	11 54	16 51	13 51	13 43	16 15	3 10	4 30	
T 20	21 10	7 10	2 1	18 54	1 42	11 6	1 47	21 53	0 27	17 42	0 46	18 11	2 3	23 49	0 18	19 40	1 37	11 53	16 52	13 51	13 44	16 14	3 10	4 29	
W21	21 21	2 40	3 3	18 22	1 58	11 32	1 46	22 1	0 27	17 46	0 46	18 10	2 3	23 49	0 18	19 39	1 37	11 53	16 52	13 52	13 45	16 12	3 10	4 29	
T 22	21 31	1n56	3 55	17 53	2 12	11 57	1 45	22 9	0 28	17 49	0 46	18 9	2 3	23 48	0 18	19 39	1 37	11 53	16 53	13 53	13 46	16 11	3 10	4 29	
F 23	21 42	6 22	4 33	17 27	2 24	12 22	1 44	22 17	0 29	17 53	0 46	18 8	2 3	23 48	0 18	19 39	1 37	11 53	16 53	13 56	13 47	16 10	3 11	4 28	
S 24	21 51	10 27	4 55	17 5	2 34	12 47	1 43	22 25	0 29	17 56	0 46	18 8	2 3	23 48	0 18	19 39	1 37	11 53	16 54	13 59	13 48	16 9	3 11	4 28	
S 25	22 1	13 57	5 1	16 48	2 41	13 12	1 42	22 32	0 30	17 59	0 46	18 7	2 3	23 48	0 18	19 38	1 37	11 53	16 54	14 3	13 49	16 8	3 11	4 28	
M26	22 9	16 44	4 52	16 36	2 47	13 37	1 40	22 39	0 30	18 3	0 46	18 6	2 2	23 48	0 18	19 38	1 37	11 53	16 55	14 8	13 50	16 7	3 11	4 28	
T 27	22 18	18 40	4 28	16 28	2 50	14 1	1 39	22 46	0 31	18 6	0 46	18 5	2 2	23 48	0 18	19 38	1 37	11 53	16 55	14 12	13 51	16 6	3 11	4 27	
W28	22 26	19 39	3 52	16 24	2 51	14 25	1 38	22 52	0 31	18 9	0 46	18 4	2 2	23 48	0 18	19 37	1 37	11 53	16 56	14 15	13 52	16 5	3 11	4 27	
T 29	22 33	19 42	3 6	16 24	2 51	14 48	1 36	22 59	0 32	18 12	0 46	18 3	2 2	23 48	0 18	19 37	1 37	11 52	16 56	14 18	13 53	16 4	3 11	4 27	
F 30	22s41	18n51	2s11	16s28	2n50	15s11	1n35	23s 5	0s33	18s15	0n46	18n 2	2s 2	23s48	0s18	19n37	1s37	11n52	16n57	14n20	13n54	16n 3	3s11	4n26	

Julian Day Number = 2172445.5, Delta T = 12m11s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'03, Lahiri = 13°12'03 Julian Calendar 1 Nov. 1235 == Greg. Calendar 8 Nov. 1235

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ASTRODIENST EPHEMERIS for the year 1235
geocentric

DECEMBER 1235 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 28	15♐54'35	8♌ 3	25♏47	17♏15	14♐30	24♏50	28°R56	3♑ 2	4°R54	9♎17	21°R38	22♌57	13♌28	11♓30	S 1
S 2	5 9 25	16°55'43	19°51	26°13	18°30	15°15	25° 3	28♉51	3° 5	4♊52	9°18	21°D36	22°53	13°35	11°31	S 2
M 3	5 13 21	17°56'51	1♍38	26°47	19°45	16° 0	25°16	28°47	3° 9	4°50	9°19	21♌37	22°50	13°41	11°32	M 3
T 4	5 17 18	18°58'00	13°29	27°27	20°59	16°45	25°29	28°42	3°12	4°49	9°20	21°R37	22°47	13°48	11°33	T 4
W 5	5 21 15	19°59'10	25°31	28°13	22°14	17°30	25°42	28°38	3°16	4°47	9°21	21°37	22°44	13°55	11°34	W 5
T 6	5 25 11	21° 0'21	7♎49	29° 4	23°29	18°15	25°55	28°33	3°19	4°45	9°23	21°36	22°41	14° 1	11°35	T 6
F 7	5 29 8	22° 1'32	20°27	29°59	24°43	19° 0	26° 7	28°29	3°23	4°44	9°24	21°32	22°37	14° 8	11°36	F 7
S 8	5 33 4	23° 2'44	3♏30	0♐59	25°58	19°46	26°20	28°25	3°26	4°42	9°25	21°26	22°34	14°15	11°37	S 8
S 9	5 37 1	24° 3'56	16°59	2° 1	27°13	20°31	26°33	28°20	3°30	4°41	9°26	21°18	22°31	14°21	11°39	S 9
M10	5 40 57	25° 5'09	0♐55	3° 7	28°28	21°16	26°45	28°16	3°33	4°39	9°26	21° 8	22°28	14°28	11°40	M10
T 11	5 44 54	26° 6'22	15°15	4°16	29°42	22° 2	26°58	28°12	3°37	4°38	9°27	20°58	22°25	14°35	11°41	T 11
W12	5 48 50	27° 7'35	29°53	5°27	0♐57	22°47	27°10	28° 8	3°40	4°36	9°28	20°50	22°22	14°41	11°43	W12
T 13	5 52 47	28° 8'49	14♑42	6°40	2°12	23°33	27°23	28° 4	3°44	4°34	9°29	20°43	22°18	14°48	11°44	T 13
F 14	5 56 44	29°10'02	29°33	7°55	3°27	24°18	27°35	28° 0	3°48	4°33	9°30	20°39	22°15	14°54	11°46	F 14
S 15	6 0 40	0♑11'15	14♒18	9°12	4°42	25° 4	27°48	27°57	3°51	4°31	9°31	20°D37	22°12	15° 1	11°48	S 15
S 16	6 4 37	1°12'28	28°52	10°30	5°57	25°49	28° 0	27°53	3°55	4°30	9°31	20°37	22° 9	15° 8	11°49	S 16
M17	6 8 33	2°13'41	13♓11	11°50	7°12	26°35	28°12	27°49	3°58	4°28	9°32	20°38	22° 6	15°14	11°51	M17
T 18	6 12 30	3°14'53	27°13	13°10	8°27	27°21	28°25	27°46	4° 2	4°27	9°33	20°R39	22° 3	15°21	11°53	T 18
W19	6 16 26	4°16'04	10♈57	14°32	9°41	28° 6	28°37	27°42	4° 6	4°26	9°33	20°39	21°59	15°28	11°55	W19
T 20	6 20 23	5°17'15	24°25	15°55	10°56	28°52	28°49	27°39	4° 9	4°24	9°34	20°37	21°56	15°34	11°56	T 20
F 21	6 24 20	6°18'26	7♉37	17°19	12°11	29°38	29° 1	27°35	4°13	4°23	9°35	20°33	21°53	15°41	11°58	F 21
S 22	6 28 16	7°19'36	20°36	18°44	13°26	0♑24	29°13	27°32	4°16	4°21	9°35	20°27	21°50	15°48	12° 0	S 22
S 23	6 32 13	8°20'46	3♊22	20° 9	14°41	1°10	29°25	27°29	4°20	4°20	9°36	20°20	21°47	15°54	12° 2	S 23
M24	6 36 9	9°21'55	15°56	21°36	15°56	1°56	29°36	27°26	4°23	4°19	9°36	20°12	21°43	16° 1	12° 4	M24
T 25	6 40 6	10°23'04	28°18	23° 2	17°11	2°42	29°48	27°23	4°27	4°17	9°36	20° 4	21°40	16° 8	12° 6	T 25
W26	6 44 2	11°24'12	10♋31	24°30	18°26	3°28	29°59	27°20	4°31	4°16	9°37	19°58	21°37	16°14	12° 9	W26
T 27	6 47 59	12°25'20	22°34	25°58	19°41	4°14	0♐11	27°17	4°34	4°15	9°37	19°53	21°34	16°21	12°11	T 27
F 28	6 51 55	13°26'27	4♌29	27°27	20°56	5° 0	0°23	27°15	4°38	4°14	9°38	19°49	21°31	16°28	12°13	F 28
S 29	6 55 52	14°27'34	16°19	28°57	22°11	5°46	0°34	27°12	4°41	4°12	9°38	19°D48	21°28	16°34	12°15	S 29
S 30	6 59 49	15°28'41	28° 5	0♑27	23°26	6°32	0°46	27°10	4°45	4°11	9°38	19°48	21°24	16°41	12°18	S 30
M31	7 3 45	16♑29'47	9♍53	1♑57	24♐41	7♑18	0♐57	27♉ 7	4♑48	4♊10	9♎38	19♌50	21♌21	16♌47	12♓20	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s47	17n10	1s12	16s35	2n47	15s34	1n33	23s11	0s33	18s19	0n46	18n 1	2s 2	23s48	0s18	19n37	1s37	11n52	16n57	14n21	13n55	16n 2	3s11	4n26	S 1
S 2	22 53	14 46	0 9	16 45	2 43	15 56	1 31	23 16	0 34	18 22	0 46	18 0	2 2	23 48	0 18	19 36	1 37	11 52	16 58	14 22	13 57	16 1	3 11	4 26	S 2
M 3	22 59	11 46	0n53	16 57	2 38	16 18	1 30	23 22	0 34	18 25	0 46	18 0	2 1	23 48	0 18	19 36	1 37	11 53	16 58	14 21	13 58	16 0	3 11	4 25	M 3
T 4	23 5	8 17	1 54	17 11	2 33	16 40	1 28	23 27	0 35	18 28	0 46	17 59	2 1	23 48	0 18	19 36	1 37	11 53	16 59	14 21	13 59	15 59	3 11	4 25	T 4
W 5	23 9	4 24	2 51	17 28	2 27	17 1	1 26	23 32	0 35	18 31	0 46	17 58	2 1	23 48	0 18	19 35	1 37	11 53	16 59	14 21	14 0	15 58	3 10	4 25	W 5
T 6	23 14	0 17	3 41	17 45	2 20	17 21	1 24	23 37	0 36	18 34	0 46	17 57	2 1	23 47	0 18	19 35	1 37	11 53	17 0	14 22	14 1	15 57	3 10	4 24	T 6
F 7	23 18	3s58	4 22	18 4	2 13	17 42	1 22	23 41	0 37	18 37	0 46	17 56	2 1	23 47	0 18	19 35	1 37	11 53	17 1	14 23	14 2	15 56	3 10	4 24	F 7
S 8	23 21	8 10	4 51	18 23	2 6	18 1	1 20	23 45	0 37	18 40	0 46	17 56	2 1	23 47	0 18	19 35	1 37	11 53	17 1	14 25	14 3	15 54	3 10	4 24	S 8
S 9	23 24	12 6	5 5	18 43	1 58	18 21	1 18	23 49	0 38	18 43	0 46	17 55	2 0	23 47	0 18	19 34	1 37	11 53	17 2	14 28	14 4	15 53	3 10	4 24	S 9
M10	23 27	15 31	5 1	19 4	1 50	18 39	1 16	23 53	0 38	18 46	0 46	17 54	2 0	23 47	0 18	19 34	1 37	11 53	17 2	14 31	14 5	15 52	3 10	4 23	M10
T 11	23 29	18 6	4 39	19 25	1 42	18 58	1 14	23 56	0 39	18 49	0 46	17 53	2 0	23 47	0 18	19 34	1 37	11 53	17 3	14 34	14 6	15 51	3 9	4 23	T 11
W12	23 30	19 34	3 58	19 45	1 34	19 15	1 12	23 59	0 39	18 52	0 46	17 53	2 0	23 47	0 18	19 34	1 37	11 54	17 3	14 37	14 7	15 50	3 9	4 23	W12
T 13	23 31	19 44	3 1	20 6	1 26	19 33	1 10	24 2	0 40	18 55	0 46	17 52	2 0	23 47	0 18	19 33	1 37	11 54	17 4	14 39	14 8	15 49	3 9	4 22	T 13
F 14	23 32	18 31	1 51	20 27	1 17	19 49	1 8	24 5	0 40	18 58	0 46	17 51	1 59	23 47	0 18	19 33	1 37	11 54	17 4	14 40	14 9	15 48	3 8	4 22	F 14
S 15	23 32	16 4	0 34	20 47	1 9	20 5	1 5	24 7	0 41	19 0	0 46	17 51	1 59	23 47	0 18	19 33	1 37	11 54	17 5	14 41	14 10	15 47	3 8	4 22	S 15
S 16	23 32	12 37	0s44	21 7	1 1	20 21	1 3	24 10	0 41	19 3	0 46	17 50	1 59	23 47	0 18	19 33	1 37	11 54	17 6	14 41	14 11	15 46	3 8	4 22	S 16
M17	23 31	8 28	1 59	21 26	0 53	20 36	1 1	24 11	0 42	19 6	0 46	17 49	1 59	23 46	0 18	19 32	1 37	11 55	17 6	14 40	14 12	15 45	3 7	4 21	M17
T 18	23 30	3 56	3 5	21 44	0 44	20 50	0 58	24 13	0 42	19 9	0 46	17 49	1 59	23 46	0 18	19 32	1 36	11 55	17 7	14 40	14 13	15 43	3 7	4 21	T 18
W19	23 28	0n42	3 58	22 2	0 36	21 4	0 56	24 14	0 43	19 11	0 46	17 48	1 58	23 46	0 18	19 32	1 36	11 55	17 7	14 40	14 14	15 42	3 6	4 21	W19
T 20	23 26	5 12	4 38	22 19	0 28	21 17	0 54	24 15	0 43	19 14	0 46	17 48	1 58	23 46	0 18	19 32	1 36	11 56	17 8	14 41	14 15	15 41	3 6	4 20	T 20
F 21	23 23	9 21	5 1	22 36	0 20	21 30	0 51	24 16	0 44	19 17	0 46	17 47	1 58	23 46	0 18	19 32	1 36	11 56	17 9	14 42	14 16	15 40	3 5	4 20	F 21
S 22	23 20	13 0	5 9	22 51	0 12	21 42	0 49	24 17	0 44	19 19	0 46	17 47	1 58	23 46	0 18	19 31	1 36	11 56	17 9	14 44	14 17	15 39	3 5	4 20	S 22
S 23	23 16	15 59	5 1	23 5	0 5	21 53	0 46	24 17	0 45	19 22	0 46	17 46	1 57	23 46	0 18	19 31	1 36	11 57	17 10	14 46	14 18	15 38	3 4	4 20	S 23
M24	23 12	18 10	4 39	23 19	0s 3	22 4	0 44	24 17	0 45	19 24	0 46	17 46	1 57	23 46	0 18	19 31	1 36	11 57	17 10	14 49	14 19	15 37	3 4	4 19	M24
T 25	23 8	19 28	4 4	23 31	0 10	22 14	0 41	24 16	0 46	19 27	0 46	17 45	1 57	23 46	0 18	19 31	1 36	11 57	17 11	14 51	14 20	15 35	3 3	4 19	T 25
W26	23 3	19 50	3 18	23 43	0 18	22 23	0 38	24 16	0 46	19 29	0 46	17 45	1 57	23 45	0 18	19 30	1 36	11 58	17 11	14 53	14 21	15 34	3 3	4 19	W26
T 27	22 57	19 17	2 23	23 53	0 25	22 32	0 36	24 15	0 47	19 32	0 46	17 45	1 56	23 45	0 18	19 30	1 36	11 58	17 12	14 55	14 22	15 33	3 2	4 19	T 27
F 28	22 51	17 53	1 23	24 2	0 32	22 40	0 33	24 14	0 47	19 34	0 46	17 44	1 56	23 45	0 18	19 30	1 36	11 59	17 13	14 56	14 23	15 32	3 2	4 18	F 28
S 29	22 45	15 42	0 19	24 10	0 38	22 48	0 31	24 12	0 48	19 37	0 46	17 44	1 56	23 45	0 18	19 30	1 36	11 59	17 13	14 56	14 24	15 31	3 1	4 18	S 29
S 30	22 38	12 54	0n45	24 17	0 45	22 54	0 28	24 11	0 48	19 39	0 46	17 44	1 56	23 45	0 18	19 30	1 36	11 59	17 14	14 56	14 25	15 30	3 0	4 18	S 30
M31	22s31	9n34	1n48	24s23	0s51	23s 0	0n25	24s 9	0s49	19s41	0n46	17n43	1s55	23s45	0s18	19n30	1s36	12n 0	17n14	14n56	14n26	15n29	3s 0	4n18	M31

Julian Day Number = 2172475.5, Delta T = 12m11s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'07, Lahiri = 13°12'07 Julian Calendar 1 Dec. 1235 == Greg. Calendar 8 Dec. 1235

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

JANUARY 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 7 42	17♉30'52	21♍44	3♉29	25♐56	8♉ 4	1♐ 8	27°R 5	4♉52	4°R 9	9♎38	19♌52	21♌18	16♌54	12♓23	T 1
W 2	7 11 38	18°31'58	3♎45	5° 1	27°11	8°51	1°20	27♉ 3	4°55	4♊ 8	9°39	19°53	21°15	17° 1	12°25	W 2
T 3	7 15 35	19°33'02	16° 0	6°33	28°26	9°37	1°31	27° 1	4°59	4° 7	9°39	19°R54	21°12	17° 7	12°28	T 3
F 4	7 19 31	20°34'07	28°34	8° 6	29°41	10°23	1°42	26°59	5° 2	4° 5	9°39	19°54	21° 9	17°14	12°30	F 4
S 5	7 23 28	21°35'10	11♏31	9°39	0♉56	11°10	1°52	26°57	5° 6	4° 4	9°R39	19°52	21° 5	17°21	12°33	S 5
S 6	7 27 24	22°36'14	24°55	11°14	2°11	11°56	2° 3	26°55	5° 9	4° 3	9°39	19°50	21° 2	17°27	12°35	S 6
M 7	7 31 21	23°37'16	8♐47	12°48	3°26	12°42	2°14	26°54	5°13	4° 2	9°39	19°46	20°59	17°34	12°38	M 7
T 8	7 35 18	24°38'19	23° 7	14°24	4°41	13°29	2°25	26°52	5°16	4° 1	9°39	19°42	20°56	17°41	12°41	T 8
W 9	7 39 14	25°39'20	7♉50	16° 0	5°56	14°15	2°35	26°51	5°20	4° 1	9°38	19°39	20°53	17°47	12°43	W 9
T 10	7 43 11	26°40'21	22°50	17°37	7°11	15° 2	2°46	26°50	5°23	4° 0	9°38	19°36	20°49	17°54	12°46	T 10
F 11	7 47 7	27°41'20	7♒59	19°14	8°26	15°48	2°56	26°48	5°26	3°59	9°38	19°34	20°46	18° 1	12°49	F 11
S 12	7 51 4	28°42'19	23° 6	20°52	9°41	16°35	3° 6	26°47	5°30	3°58	9°38	19°D34	20°43	18° 7	12°52	S 12
S 13	7 55 0	29°43'16	8♓ 4	22°30	10°56	17°21	3°16	26°46	5°33	3°57	9°38	19°35	20°40	18°14	12°55	S 13
M14	7 58 57	0♒44'11	22°44	24°10	12°11	18° 8	3°26	26°46	5°36	3°56	9°37	19°36	20°37	18°20	12°58	M14
T 15	8 2 53	1°45'06	7♈ 2	25°50	13°26	18°55	3°36	26°45	5°40	3°56	9°37	19°37	20°34	18°27	13° 1	T 15
W16	8 6 50	2°45'59	20°56	27°31	14°41	19°41	3°46	26°44	5°43	3°55	9°37	19°38	20°30	18°34	13° 4	W16
T 17	8 10 47	3°46'50	4♉27	29°12	15°56	20°28	3°56	26°44	5°46	3°54	9°36	19°R39	20°27	18°40	13° 7	T 17
F 18	8 14 43	4°47'40	17°36	0♒54	17°11	21°15	4° 5	26°43	5°50	3°53	9°36	19°38	20°24	18°47	13°10	F 18
S 19	8 18 40	5°48'29	0♊25	2°38	18°26	22° 1	4°15	26°43	5°53	3°53	9°35	19°37	20°21	18°54	13°13	S 19
S 20	8 22 36	6°49'16	12°58	4°21	19°40	22°48	4°24	26°43	5°56	3°52	9°35	19°36	20°18	19° 0	13°16	S 20
M21	8 26 33	7°50'01	25°17	6° 6	20°55	23°35	4°33	26°D43	5°59	3°52	9°34	19°34	20°15	19° 7	13°19	M21
T 22	8 30 29	8°50'45	7♋25	7°51	22°10	24°22	4°43	26°43	6° 2	3°51	9°34	19°32	20°11	19°14	13°22	T 22
W23	8 34 26	9°51'28	19°25	9°37	23°25	25° 8	4°52	26°43	6° 5	3°51	9°33	19°31	20° 8	19°20	13°26	W23
T 24	8 38 22	10°52'09	1♌19	11°24	24°40	25°55	5° 1	26°43	6° 9	3°50	9°32	19°30	20° 5	19°27	13°29	T 24
F 25	8 42 19	11°52'48	13° 9	13°12	25°55	26°42	5° 9	26°44	6°12	3°50	9°32	19°29	20° 2	19°34	13°32	F 25
S 26	8 46 16	12°53'26	24°56	15° 0	27°10	27°29	5°18	26°44	6°15	3°49	9°31	19°D29	19°59	19°40	13°35	S 26
S 27	8 50 12	13°54'03	6♍44	16°49	28°25	28°16	5°27	26°45	6°18	3°49	9°30	19°30	19°55	19°47	13°39	S 27
M28	8 54 9	14°54'38	18°35	18°39	29°40	29° 3	5°35	26°46	6°21	3°49	9°30	19°30	19°52	19°54	13°42	M28
T 29	8 58 5	15°55'12	0♎31	20°30	0♒55	29°49	5°43	26°47	6°24	3°48	9°29	19°31	19°49	20° 0	13°45	T 29
W30	9 2 2	16°55'44	12°36	22°21	2°10	0♒36	5°51	26°48	6°27	3°48	9°28	19°31	19°46	20° 7	13°49	W30
T 31	9 5 58	17♒56'15	24♎53	24♒12	3♒25	1♒23	6♐ 0	26♉49	6♉30	3♊48	9♎27	19♌31	19♌43	20♌13	13♓52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s23	5n50	2n46	24s27	0s58	23s 6	0n23	24s 7	0s49	19s44	0n46	17n43	1s55	23s45	0s18	19n29	1s36	12n 0	17n15	14n55	14n27	15n27	2s59	4n17
W 2	22 15	1 50	3 38	24 30	1 4	23 10	0 20	24 4	0 50	19 46	0 46	17 43	1 55	23 45	0 18	19 29	1 36	12 1	17 16	14 55	14 29	15 26	2 58	4 17
T 3	22 6	2s18	4 21	24 32	1 9	23 14	0 18	24 1	0 50	19 48	0 46	17 43	1 55	23 45	0 18	19 29	1 36	12 1	17 16	14 54	14 30	15 25	2 57	4 17
F 4	21 57	6 26	4 53	24 32	1 15	23 17	0 15	23 58	0 51	19 50	0 46	17 42	1 54	23 44	0 18	19 29	1 36	12 2	17 17	14 54	14 31	15 24	2 57	4 17
S 5	21 48	10 25	5 11	24 31	1 20	23 20	0 12	23 55	0 51	19 52	0 46	17 42	1 54	23 44	0 18	19 29	1 36	12 2	17 17	14 55	14 32	15 23	2 56	4 16
S 6	21 38	14 0	5 13	24 28	1 25	23 21	0 10	23 51	0 52	19 55	0 46	17 42	1 54	23 44	0 18	19 29	1 36	12 3	17 18	14 56	14 33	15 21	2 55	4 16
M 7	21 28	16 57	4 57	24 24	1 30	23 22	0 7	23 47	0 52	19 57	0 46	17 42	1 54	23 44	0 18	19 28	1 36	12 3	17 19	14 57	14 34	15 20	2 54	4 16
T 8	21 17	18 59	4 23	24 19	1 34	23 23	0 4	23 43	0 53	19 59	0 46	17 42	1 53	23 44	0 18	19 28	1 36	12 4	17 19	14 58	14 35	15 19	2 54	4 16
W 9	21 6	19 48	3 30	24 12	1 39	23 22	0 2	23 39	0 53	20 1	0 46	17 42	1 53	23 44	0 18	19 28	1 36	12 5	17 20	14 59	14 36	15 18	2 53	4 15
T 10	20 54	19 15	2 22	24 4	1 43	23 21	0s 1	23 34	0 53	20 3	0 46	17 42	1 53	23 44	0 18	19 28	1 35	12 5	17 20	15 0	14 37	15 17	2 52	4 15
F 11	20 42	17 19	1 4	23 54	1 46	23 19	0 3	23 29	0 54	20 5	0 46	17 42	1 53	23 44	0 18	19 28	1 35	12 6	17 21	15 0	14 38	15 16	2 51	4 15
S 12	20 30	14 11	0s20	23 43	1 50	23 17	0 6	23 24	0 54	20 7	0 46	17 42	1 52	23 43	0 18	19 28	1 35	12 6	17 21	15 1	14 39	15 14	2 50	4 15
S 13	20 17	10 8	1 41	23 30	1 53	23 14	0 8	23 19	0 55	20 9	0 46	17 42	1 52	23 43	0 18	19 28	1 35	12 7	17 22	15 0	14 40	15 13	2 49	4 14
M14	20 4	5 33	2 53	23 16	1 55	23 10	0 11	23 13	0 55	20 11	0 46	17 42	1 52	23 43	0 18	19 28	1 35	12 8	17 23	15 0	14 41	15 12	2 48	4 14
T 15	19 51	0 46	3 54	22 59	1 58	23 5	0 14	23 7	0 56	20 12	0 46	17 42	1 52	23 43	0 18	19 28	1 35	12 8	17 23	15 0	14 42	15 11	2 47	4 14
W16	19 37	3n54	4 38	22 42	2 0	22 59	0 16	23 0	0 56	20 14	0 46	17 42	1 51	23 43	0 18	19 28	1 35	12 9	17 24	14 59	14 43	15 9	2 46	4 14
T 17	19 23	8 15	5 6	22 23	2 1	22 53	0 19	22 54	0 56	20 16	0 46	17 42	1 51	23 43	0 18	19 27	1 35	12 10	17 24	14 59	14 44	15 8	2 45	4 14
F 18	19 9	12 5	5 17	22 2	2 3	22 46	0 21	22 47	0 57	20 18	0 46	17 42	1 51	23 43	0 18	19 27	1 35	12 10	17 25	14 59	14 45	15 7	2 44	4 13
S 19	18 54	15 15	5 11	21 39	2 3	22 39	0 23	22 40	0 57	20 20	0 46	17 43	1 50	23 43	0 18	19 27	1 35	12 11	17 25	15 0	14 46	15 6	2 43	4 13
S 20	18 39	17 38	4 51	21 15	2 4	22 31	0 26	22 33	0 58	20 21	0 46	17 43	1 50	23 42	0 18	19 27	1 35	12 12	17 26	15 0	14 47	15 5	2 42	4 13
M21	18 23	19 10	4 18	20 49	2 4	22 22	0 28	22 25	0 58	20 23	0 46	17 43	1 50	23 42	0 18	19 27	1 35	12 12	17 26	15 1	14 48	15 3	2 41	4 13
T 22	18 7	19 47	3 33	20 22	2 4	22 12	0 31	22 17	0 58	20 25	0 46	17 43	1 50	23 42	0 18	19 27	1 35	12 13	17 27	15 1	14 49	15 2	2 40	4 13
W23	17 51	19 30	2 39	19 53	2 3	22 2	0 33	22 9	0 59	20 26	0 46	17 44	1 49	23 42	0 18	19 27	1 35	12 14	17 27	15 2	14 50	15 1	2 39	4 12
T 24	17 35	18 20	1 39	19 22	2 1	21 51	0 35	22 1	0 59	20 28	0 46	17 44	1 49	23 42	0 18	19 27	1 35	12 14	17 28	15 2	14 51	15 0	2 38	4 12
F 25	17 18	16 23	0 35	18 50	1 59	21 40	0 37	21 52	0 59	20 29	0 46	17 44	1 49	23 42	0 18	19 27	1 35	12 15	17 29	15 2	14 52	14 58	2 37	4 12
S 26	17 1	13 44	0n30	18 16	1 57	21 27	0 40	21 44	1 0	20 31	0 46	17 45	1 49	23 42	0 18	19 27	1 35	12 16	17 29	15 2	14 53	14 57	2 36	4 12
S 27	16 43	10 32	1 35	17 40	1 54	21 15	0 42	21 34	1 0	20 32	0 46	17 45	1 48	23 42	0 18	19 27	1 35	12 17	17 30	15 2	14 54	14 56	2 35	4 12
M28	16 26	6 55	2 35	17 3	1 51	21 1	0 44	21 25	1 0	20 34	0 46	17 46	1 48	23 41	0 18	19 27	1 35	12 17	17 30	15 2	14 55	14 55	2 34	4 12
T 29	16 8	2 59	3 29	16 24	1 47	20 47	0 46	21 16	1 1	20 35	0 46	17 46	1 48	23 41	0 18	19 27	1 34	12 18	17 31	15 2	14 56	14 53	2 33	4 11
W30	15 50	1s 5	4 15	15 44	1 42	20 32	0 48	21 6	1 1	20 37	0 46	17 47	1 47	23 41	0 18	19 27	1 34	12 19	17 31	15 2	14 57	14 52	2 32	4 11
T 31	15s31	5s11	4n49	15s 2	1s37	20s17	0s50	20s56	1s 1	20s38	0n47	17n47	1s47	23s41	0s18	19n27	1s34	12n20	17n32	15n 2	14n58	14n51	2s30	4n11

Julian Day Number = 2172506.5, Delta T = 12m11s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'11, Lahiri = 13°12'12 Julian Calendar 1 Jan. 1236 == Greg. Calendar 8 Jan. 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

FEBRUARY 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 9 55	18♒56'45	7♏25	26♒ 4	4♒40	2♒10	6♐ 7	26♉50	6♑32	3°R48	9°R26	19♌31	19♌40	20♌20	13♓56	F 1
S 2	9 13 51	19°57'13	20°17	27°56	5°54	2°57	6°15	26°51	6°35	3♊48	9♎25	19°31	19°36	20°27	13°59	S 2
S 3	9 17 48	20°57'40	3♐33	29°48	7° 9	3°44	6°23	26°53	6°38	3°47	9°24	19°31	19°33	20°33	14° 3	S 3
M 4	9 21 45	21°58'06	17°14	1♓39	8°24	4°31	6°30	26°54	6°41	3°47	9°23	19°31	19°30	20°40	14° 6	M 4
T 5	9 25 41	22°58'30	1♑21	3°31	9°39	5°18	6°38	26°56	6°44	3°47	9°22	19°32	19°27	20°47	14°10	T 5
W 6	9 29 38	23°58'53	15°53	5°22	10°54	6° 5	6°45	26°58	6°46	3°D47	9°21	19°32	19°24	20°53	14°13	W 6
T 7	9 33 34	24°59'14	0♒46	7°11	12° 9	6°52	6°52	26°59	6°49	3°47	9°20	19°32	19°20	21° 0	14°17	T 7
F 8	9 37 31	25°59'34	15°54	9° 0	13°24	7°39	6°59	27° 1	6°52	3°47	9°19	19°R33	19°17	21° 7	14°20	F 8
S 9	9 41 27	26°59'51	1♓ 8	10°47	14°39	8°26	7° 6	27° 3	6°54	3°47	9°18	19°33	19°14	21°13	14°24	S 9
S 10	9 45 24	28° 0'07	16°17	12°32	15°53	9°13	7°12	27° 6	6°57	3°47	9°17	19°32	19°11	21°20	14°27	S 10
M11	9 49 20	29° 0'21	1♈13	14°14	17° 8	10° 0	7°19	27° 8	6°59	3°48	9°16	19°31	19° 8	21°27	14°31	M11
T 12	9 53 17	0♓ 0'33	15°48	15°53	18°23	10°47	7°25	27°10	7° 2	3°48	9°15	19°30	19° 5	21°33	14°35	T 12
W13	9 57 14	1° 0'43	29°57	17°28	19°38	11°34	7°31	27°13	7° 4	3°48	9°14	19°29	19° 1	21°40	14°38	W13
T 14	10 1 10	2° 0'51	13♉39	18°59	20°53	12°22	7°37	27°16	7° 7	3°48	9°12	19°27	18°58	21°46	14°42	T 14
F 15	10 5 7	3° 0'57	26°53	20°25	22° 7	13° 9	7°43	27°18	7° 9	3°49	9°11	19°27	18°55	21°53	14°45	F 15
S 16	10 9 3	4° 1'00	9♊43	21°46	23°22	13°56	7°49	27°21	7°12	3°49	9°10	19°D27	18°52	22° 0	14°49	S 16
S 17	10 13 0	5° 1'01	22°13	23° 1	24°37	14°43	7°55	27°24	7°14	3°49	9° 8	19°27	18°49	22° 6	14°53	S 17
M18	10 16 56	6° 1'01	4♋26	24°10	25°52	15°30	8° 0	27°27	7°16	3°50	9° 7	19°29	18°46	22°13	14°56	M18
T 19	10 20 53	7° 0'58	16°26	25°12	27° 6	16°17	8° 5	27°30	7°18	3°50	9° 6	19°30	18°42	22°20	15° 0	T 19
W20	10 24 49	8° 0'52	28°19	26° 6	28°21	17° 4	8°10	27°33	7°21	3°50	9° 4	19°32	18°39	22°26	15° 4	W20
T 21	10 28 46	9° 0'45	10♌ 7	26°52	29°36	17°51	8°15	27°37	7°23	3°51	9° 3	19°33	18°36	22°33	15° 7	T 21
F 22	10 32 42	10° 0'35	21°54	27°31	0♓50	18°38	8°20	27°40	7°25	3°51	9° 2	19°R33	18°33	22°40	15°11	F 22
S 23	10 36 39	11° 0'24	3♍42	28° 1	2° 5	19°25	8°24	27°44	7°27	3°52	9° 0	19°32	18°30	22°46	15°15	S 23
S 24	10 40 36	12° 0'10	15°34	28°22	3°20	20°12	8°29	27°47	7°29	3°53	8°59	19°30	18°26	22°53	15°19	S 24
M25	10 44 32	12°59'54	27°33	28°35	4°34	20°59	8°33	27°51	7°31	3°53	8°57	19°27	18°23	23° 0	15°22	M25
T 26	10 48 29	13°59'37	9♎38	28°R39	5°49	21°46	8°37	27°55	7°33	3°54	8°56	19°23	18°20	23° 6	15°26	T 26
W27	10 52 25	14°59'17	21°54	28°35	7° 4	22°33	8°41	27°59	7°35	3°55	8°54	19°19	18°17	23°13	15°30	W27
T 28	10 56 22	15°58'56	4♏20	28°23	8°18	23°20	8°45	28° 3	7°37	3°55	8°53	19°15	18°14	23°19	15°33	T 28
F 29	11 0 18	16♓58'32	17♏ 0	28♓ 3	9♓33	24♒ 7	8♐48	28♉ 7	7♑38	3♊56	8♎51	19♌11	18♌11	23♌26	15♓37	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s12	9s 8	5n11	14s19	1s31	20s 1	0s52	20s46	1s 2	20s39	0n47	17n48	1s47	23s41	0s18	19n27	1s34	12n21	17n32	15n 1	14n59	14n50	2s29	4n11
S 2	14 53	12 47	5 18	13 34	1 25	19 45	0 54	20 35	1 2	20 40	0 47	17 48	1 47	23 41	0 18	19 27	1 34	12 21	17 32	15 1	15 0	14 48	2 28	4 11
S 3	14 34	15 54	5 9	12 48	1 18	19 27	0 56	20 24	1 2	20 42	0 47	17 49	1 46	23 41	0 19	19 27	1 34	12 22	17 33	15 1	15 1	14 47	2 27	4 11
M 4	14 15	18 15	4 42	12 1	1 10	19 10	0 58	20 13	1 3	20 43	0 47	17 49	1 46	23 41	0 19	19 27	1 34	12 23	17 33	15 1	15 2	14 46	2 26	4 11
T 5	13 55	19 34	3 57	11 13	1 1	18 52	0 59	20 2	1 3	20 44	0 47	17 50	1 46	23 40	0 19	19 27	1 34	12 24	17 34	15 1	15 3	14 44	2 24	4 10
W 6	13 35	19 40	2 57	10 24	0 52	18 33	1 1	19 51	1 3	20 45	0 47	17 51	1 46	23 40	0 19	19 27	1 34	12 25	17 34	15 1	15 4	14 43	2 23	4 10
T 7	13 15	18 24	1 43	9 34	0 43	18 14	1 3	19 39	1 4	20 47	0 47	17 51	1 45	23 40	0 19	19 27	1 34	12 25	17 35	15 1	15 5	14 42	2 22	4 10
F 8	12 54	15 49	0 20	8 43	0 32	17 54	1 4	19 28	1 4	20 48	0 47	17 52	1 45	23 40	0 19	19 27	1 34	12 26	17 35	15 1	15 6	14 41	2 21	4 10
S 9	12 34	12 7	1s 4	7 53	0 21	17 34	1 6	19 16	1 4	20 49	0 47	17 53	1 45	23 40	0 19	19 28	1 34	12 27	17 36	15 1	15 7	14 39	2 19	4 10
S 10	12 13	7 38	2 23	7 2	0 9	17 13	1 8	19 3	1 4	20 50	0 47	17 54	1 44	23 40	0 19	19 28	1 34	12 28	17 36	15 1	15 8	14 38	2 18	4 10
M11	11 52	2 45	3 32	6 11	0n 3	16 51	1 9	18 51	1 5	20 51	0 47	17 54	1 44	23 40	0 19	19 28	1 34	12 29	17 36	15 2	15 9	14 37	2 17	4 10
T 12	11 31	2n10	4 24	5 21	0 15	16 30	1 10	18 38	1 5	20 52	0 47	17 55	1 44	23 40	0 19	19 28	1 34	12 29	17 37	15 2	15 10	14 35	2 16	4 10
W13	11 10	6 50	4 59	4 32	0 29	16 8	1 12	18 26	1 5	20 53	0 47	17 56	1 44	23 39	0 19	19 28	1 34	12 30	17 37	15 2	15 11	14 34	2 14	4 9
T 14	10 48	10 58	5 16	3 44	0 42	15 45	1 13	18 13	1 5	20 54	0 47	17 57	1 43	23 39	0 19	19 28	1 33	12 31	17 38	15 3	15 12	14 33	2 13	4 9
F 15	10 26	14 26	5 15	2 57	0 56	15 22	1 14	17 59	1 6	20 55	0 47	17 58	1 43	23 39	0 19	19 28	1 33	12 32	17 38	15 3	15 13	14 31	2 12	4 9
S 16	10 5	17 5	4 58	2 12	1 10	14 58	1 16	17 46	1 6	20 55	0 47	17 59	1 43	23 39	0 19	19 28	1 33	12 33	17 38	15 3	15 14	14 30	2 10	4 9
S 17	9 43	18 52	4 27	1 30	1 24	14 34	1 17	17 32	1 6	20 56	0 47	18 0	1 43	23 39	0 19	19 28	1 33	12 34	17 39	15 3	15 15	14 29	2 9	4 9
M18	9 20	19 43	3 45	0 50	1 38	14 10	1 18	17 19	1 6	20 57	0 47	18 1	1 42	23 39	0 19	19 28	1 33	12 34	17 39	15 2	15 16	14 27	2 8	4 9
T 19	8 58	19 39	2 53	0 12	1 52	13 45	1 19	17 5	1 7	20 58	0 47	18 2	1 42	23 39	0 19	19 29	1 33	12 35	17 39	15 2	15 17	14 26	2 6	4 9
W20	8 36	18 42	1 55	0n22	2 6	13 20	1 20	16 51	1 7	20 59	0 47	18 3	1 42	23 39	0 19	19 29	1 33	12 36	17 40	15 1	15 18	14 25	2 5	4 9
T 21	8 13	16 57	0 52	0 52	2 19	12 55	1 21	16 36	1 7	20 59	0 48	18 4	1 42	23 39	0 19	19 29	1 33	12 37	17 40	15 1	15 19	14 23	2 4	4 9
F 22	7 51	14 28	0n13	1 19	2 32	12 29	1 21	16 22	1 7	21 0	0 48	18 5	1 41	23 39	0 19	19 29	1 33	12 38	17 40	15 1	15 20	14 22	2 2	4 9
S 23	7 28	11 24	1 17	1 42	2 44	12 3	1 22	16 7	1 7	21 1	0 48	18 6	1 41	23 38	0 19	19 29	1 33	12 38	17 41	15 1	15 21	14 21	2 1	4 9
S 24	7 5	7 50	2 19	2 1	2 55	11 37	1 23	15 53	1 7	21 1	0 48	18 7	1 41	23 38	0 19	19 29	1 33	12 39	17 41	15 2	15 22	14 19	2 0	4 8
M25	6 42	3 57	3 14	2 15	3 5	11 10	1 23	15 38	1 8	21 2	0 48	18 8	1 41	23 38	0 19	19 30	1 33	12 40	17 41	15 3	15 23	14 18	1 58	4 8
T 26	6 19	0s 8	4 2	2 25	3 14	10 43	1 24	15 23	1 8	21 3	0 48	18 9	1 40	23 38	0 19	19 30	1 33	12 41	17 42	15 4	15 24	14 17	1 57	4 8
W27	5 56	4 15	4 39	2 30	3 21	10 16	1 25	15 7	1 8	21 3	0 48	18 10	1 40	23 38	0 19	19 30	1 33	12 42	17 42	15 5	15 25	14 15	1 56	4 8
T 28	5 33	8 15	5 3	2 31	3 27	9 48	1 25	14 52	1 8	21 4	0 48	18 11	1 40	23 38	0 19	19 30	1 33	12 43	17 42	15 7	15 26	14 14	1 54	4 8
F 29	5s10	11s58	5n14	2n27	3n32	9s20	1s25	14s36	1s 8	21s 4	0n48	18n12	1s40	23s38	0s19	19n30	1s33	12n43	17n42	15n 8	15n27	14n13	1s53	4n 8

Julian Day Number = 2172537.5, Delta T = 12m11s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'15, Lahiri = 13°12'16 Julian Calendar 1 Feb. 1236 == Greg. Calendar 8 Feb. 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

MARCH 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 4 15	17♓58'07	29♏55	27°R35	10♓48	24♒54	8♐52	28♉11	7♋40	3♊57	8°R50	19°R 9	18♌ 7	23♌33	15♓41	S 1
S 2	11 8 11	18°57'41	13♐ 8	27♓ 2	12° 2	25°41	8°55	28°15	7°42	3°58	8♎48	19°D 7	18° 4	23°39	15°44	S 2
M 3	11 12 8	19°57'12	26°40	26°23	13°17	26°29	8°58	28°20	7°43	3°59	8°47	19♌ 7	18° 1	23°46	15°48	M 3
T 4	11 16 5	20°56'42	10♋34	25°39	14°31	27°16	9° 1	28°24	7°45	3°59	8°45	19° 8	17°58	23°53	15°52	T 4
W 5	11 20 1	21°56'10	24°49	24°51	15°46	28° 3	9° 3	28°29	7°47	4° 0	8°44	19°10	17°55	23°59	15°56	W 5
T 6	11 23 58	22°55'36	9♒24	24° 1	17° 0	28°50	9° 6	28°33	7°48	4° 1	8°42	19°11	17°52	24° 6	15°59	T 6
F 7	11 27 54	23°55'00	24°15	23° 9	18°15	29°37	9° 8	28°38	7°50	4° 2	8°40	19°R11	17°48	24°13	16° 3	F 7
S 8	11 31 51	24°54'23	9♓16	22°16	19°30	0♓23	9°10	28°43	7°51	4° 3	8°39	19°10	17°45	24°19	16° 7	S 8
S 9	11 35 47	25°53'43	24°19	21°24	20°44	1°10	9°12	28°48	7°52	4° 4	8°37	19° 7	17°42	24°26	16°10	S 9
M10	11 39 44	26°53'01	9♈14	20°34	21°59	1°57	9°14	28°53	7°54	4° 5	8°35	19° 2	17°39	24°33	16°14	M10
T 11	11 43 40	27°52'17	23°54	19°46	23°13	2°44	9°15	28°58	7°55	4° 6	8°34	18°56	17°36	24°39	16°18	T 11
W12	11 47 37	28°51'31	8♉11	19° 2	24°27	3°31	9°17	29° 3	7°56	4° 8	8°32	18°50	17°32	24°46	16°21	W12
T 13	11 51 34	29°50'42	22° 1	18°21	25°42	4°18	9°18	29° 8	7°57	4° 9	8°31	18°44	17°29	24°53	16°25	T 13
F 14	11 55 30	0♈49'52	5♊23	17°45	26°56	5° 5	9°19	29°13	7°59	4°10	8°29	18°40	17°26	24°59	16°28	F 14
S 15	11 59 27	1°48'59	18°19	17°14	28°11	5°52	9°20	29°19	8° 0	4°11	8°27	18°37	17°23	25° 6	16°32	S 15
S 16	12 3 23	2°48'03	0♋51	16°48	29°25	6°39	9°20	29°24	8° 1	4°12	8°26	18°D36	17°20	25°12	16°36	S 16
M17	12 7 20	3°47'06	13° 4	16°27	0♈40	7°26	9°21	29°30	8° 2	4°14	8°24	18°36	17°17	25°19	16°39	M17
T 18	12 11 16	4°46'06	25° 3	16°12	1°54	8°12	9°21	29°35	8° 3	4°15	8°22	18°37	17°13	25°26	16°43	T 18
W19	12 15 13	5°45'03	6♌53	16° 3	3° 8	8°59	9°R21	29°41	8° 3	4°16	8°20	18°39	17°10	25°32	16°46	W19
T 20	12 19 9	6°43'59	18°40	15°D59	4°23	9°46	9°21	29°46	8° 4	4°18	8°19	18°R39	17° 7	25°39	16°50	T 20
F 21	12 23 6	7°42'52	0♍27	16° 0	5°37	10°33	9°21	29°52	8° 5	4°19	8°17	18°39	17° 4	25°46	16°53	F 21
S 22	12 27 2	8°41'42	12°19	16° 7	6°51	11°19	9°20	29°58	8° 6	4°20	8°15	18°36	17° 1	25°52	16°57	S 22
S 23	12 30 59	9°40'31	24°18	16°19	8° 6	12° 6	9°19	0♊ 4	8° 6	4°22	8°14	18°31	16°57	25°59	17° 0	S 23
M24	12 34 56	10°39'17	6♎26	16°35	9°20	12°53	9°19	0°10	8° 7	4°23	8°12	18°23	16°54	26° 6	17° 4	M24
T 25	12 38 52	11°38'02	18°46	16°57	10°34	13°39	9°17	0°16	8° 8	4°25	8°10	18°14	16°51	26°12	17° 7	T 25
W26	12 42 49	12°36'44	1♏17	17°23	11°48	14°26	9°16	0°22	8° 8	4°26	8° 9	18° 4	16°48	26°19	17°11	W26
T 27	12 46 45	13°35'25	14° 0	17°53	13° 3	15°12	9°15	0°28	8° 9	4°28	8° 7	17°54	16°45	26°26	17°14	T 27
F 28	12 50 42	14°34'04	26°56	18°28	14°17	15°59	9°13	0°34	8° 9	4°29	8° 5	17°45	16°42	26°32	17°18	F 28
S 29	12 54 38	15°32'41	10♐ 4	19° 7	15°31	16°45	9°11	0°41	8° 9	4°31	8° 4	17°38	16°38	26°39	17°21	S 29
S 30	12 58 35	16°31'16	23°25	19°49	16°45	17°32	9° 9	0°47	8°10	4°33	8° 2	17°34	16°35	26°45	17°24	S 30
M31	13 2 31	17♈29'50	6♋59	20♓35	17♈59	18♓18	9♐ 7	0♊53	8♋10	4♊34	8♎ 0	17♌31	16♌32	26♌52	17♓28	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	4s46	15s11	5n 8	2n19	3n35	8s52	1s26	14s21	1s 8	21s 5	0n48	18n13	1s39	23s38	0s19	19n31	1s33	12n44	17n43	15n 9	15n28	14n11	1s51	4n 8	S 1
S 2	4 23	17 43	4 47	2 7	3 36	8 24	1 26	14 5	1 9	21 5	0 48	18 15	1 39	23 38	0 19	19 31	1 32	12 45	17 43	15 9	15 29	14 10	1 50	4 8	S 2
M 3	4 0	19 21	4 9	1 50	3 35	7 55	1 26	13 49	1 9	21 6	0 48	18 16	1 39	23 38	0 19	19 31	1 32	12 46	17 43	15 9	15 30	14 8	1 49	4 8	M 3
T 4	3 36	19 51	3 16	1 30	3 32	7 27	1 26	13 33	1 9	21 6	0 48	18 17	1 39	23 38	0 19	19 31	1 32	12 47	17 43	15 9	15 31	14 7	1 47	4 8	T 4
W 5	3 13	19 8	2 10	1 7	3 28	6 58	1 26	13 17	1 9	21 6	0 48	18 18	1 38	23 38	0 19	19 31	1 32	12 47	17 43	15 8	15 32	14 6	1 46	4 8	W 5
T 6	2 49	17 7	0 53	0 41	3 21	6 28	1 26	13 0	1 9	21 7	0 48	18 19	1 38	23 38	0 19	19 32	1 32	12 48	17 44	15 8	15 33	14 4	1 44	4 8	T 6
F 7	2 26	13 56	0s28	0 13	3 13	5 59	1 26	12 44	1 9	21 7	0 48	18 21	1 38	23 37	0 19	19 32	1 32	12 49	17 44	15 8	15 33	14 3	1 43	4 8	F 7
S 8	2 2	9 47	1 48	0s16	3 4	5 30	1 26	12 27	1 9	21 7	0 48	18 22	1 38	23 37	0 19	19 32	1 32	12 50	17 44	15 8	15 34	14 1	1 42	4 8	S 8
S 9	1 38	5 1	3 0	0 47	2 53	5 0	1 26	12 11	1 9	21 7	0 48	18 23	1 37	23 37	0 19	19 32	1 32	12 51	17 44	15 9	15 35	14 0	1 40	4 8	S 9
M10	1 15	0n 1	3 59	1 18	2 40	4 30	1 26	11 54	1 9	21 8	0 48	18 24	1 37	23 37	0 19	19 33	1 32	12 51	17 44	15 11	15 36	13 59	1 39	4 8	M10
T 11	0 51	4 57	4 42	1 49	2 27	4 1	1 25	11 37	1 9	21 8	0 48	18 26	1 37	23 37	0 19	19 33	1 32	12 52	17 44	15 13	15 37	13 57	1 37	4 8	T 11
W12	0 27	9 28	5 5	2 20	2 12	3 31	1 25	11 20	1 9	21 8	0 49	18 27	1 37	23 37	0 19	19 33	1 32	12 53	17 44	15 14	15 38	13 56	1 36	4 8	W12
T 13	0 4	13 21	5 10	2 49	1 58	3 0	1 25	11 3	1 9	21 8	0 49	18 28	1 37	23 37	0 19	19 33	1 32	12 54	17 45	15 16	15 39	13 54	1 35	4 8	T 13
F 14	0n20	16 24	4 58	3 18	1 42	2 30	1 24	10 46	1 9	21 8	0 49	18 30	1 36	23 37	0 19	19 34	1 32	12 54	17 45	15 18	15 40	13 53	1 33	4 8	F 14
S 15	0 44	18 32	4 30	3 44	1 26	2 0	1 23	10 28	1 9	21 8	0 49	18 31	1 36	23 37	0 19	19 34	1 32	12 55	17 45	15 19	15 41	13 52	1 32	4 8	S 15
S 16	1 7	19 42	3 50	4 9	1 11	1 30	1 23	10 11	1 9	21 8	0 49	18 33	1 36	23 37	0 19	19 34	1 32	12 56	17 45	15 19	15 42	13 50	1 30	4 8	S 16
M17	1 31	19 53	3 1	4 32	0 55	0 59	1 22	9 54	1 9	21 8	0 49	18 34	1 36	23 37	0 19	19 35	1 32	12 56	17 45	15 19	15 43	13 49	1 29	4 8	M17
T 18	1 54	19 10	2 4	4 52	0 39	0 29	1 21	9 36	1 9	21 8	0 49	18 35	1 36	23 37	0 19	19 35	1 32	12 57	17 45	15 18	15 44	13 47	1 28	4 8	T 18
W19	2 18	17 36	1 3	5 10	0 24	0n 1	1 21	9 18	1 9	21 8	0 49	18 37	1 35	23 37	0 20	19 35	1 32	12 58	17 45	15 18	15 45	13 46	1 26	4 8	W19
T 20	2 41	15 18	0n 0	5 25	0 9	0 32	1 20	9 1	1 9	21 8	0 49	18 38	1 35	23 37	0 20	19 35	1 32	12 59	17 45	15 18	15 46	13 45	1 25	4 8	T 20
F 21	3 4	12 21	1 3	5 38	0s 6	1 2	1 19	8 43	1 9	21 8	0 49	18 40	1 35	23 37	0 20	19 36	1 31	12 59	17 45	15 18	15 47	13 43	1 23	4 8	F 21
S 22	3 28	8 53	2 4	5 49	0 20	1 33	1 18	8 25	1 9	21 8	0 49	18 41	1 35	23 37	0 20	19 36	1 31	13 0	17 45	15 19	15 48	13 42	1 22	4 8	S 22
S 23	3 51	5 2	3 0	5 56	0 34	2 3	1 17	8 7	1 9	21 8	0 49	18 42	1 35	23 37	0 20	19 36	1 31	13 1	17 45	15 20	15 49	13 40	1 21	4 8	S 23
M24	4 14	0 56	3 48	6 2	0 47	2 33	1 16	7 49	1 9	21 8	0 49	18 44	1 34	23 37	0 20	19 37	1 31	13 1	17 45	15 23	15 50	13 39	1 19	4 8	M24
T 25	4 37	3s16	4 27	6 5	0 59	3 4	1 14	7 31	1 9	21 8	0 49	18 45	1 34	23 37	0 20	19 37	1 31	13 2	17 45	15 26	15 51	13 37	1 18	4 8	T 25
W26	5 0	7 24	4 53	6 5	1 11	3 34	1 13	7 13	1 9	21 7	0 49	18 47	1 34	23 37	0 20	19 37	1 31	13 2	17 45	15 29	15 52	13 36	1 17	4 8	W26
T 27	5 23	11 15	5 5	6 4	1 22	4 4	1 12	6 55	1 9	21 7	0 49	18 48	1 34	23 37	0 20	19 38	1 31	13 3	17 45	15 32	15 53	13 34	1 15	4 8	T 27
F 28	5 46	14 39	5 2	6 0	1 32	4 34	1 11	6 37	1 9	21 7	0 49	18 50	1 34	23 37	0 20	19 38	1 31	13 4	17 45	15 34	15 54	13 33	1 14	4 8	F 28
S 29	6 9	17 23	4 43	5 53	1 42	5 4	1 9	6 18	1 9	21 6	0 49	18 51	1 33	23 37	0 20	19 38	1 31	13 4	17 45	15 37	15 55	13 31	1 13	4 8	S 29
S 30	6 31	19 14	4 8	5 45	1 51	5 34	1 8	6 0	1 9	21 6	0 49	18 53	1 33	23 37	0 20	19 39	1 31	13 5	17 45	15 38	15 56	13 30	1 11	4 8	S 30
M31	6n54	20s 2	3n19	5s34	1s59	6n 4	1s 6	5s42	1s 9	21s 6	0n49	18n54	1s33	23s37	0s20	19n39	1s31	13n 5	17n45	15n39	15n57	13n29	1s10	4n 8	M31

Julian Day Number = 2172566.5, Delta T = 12m11s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'19, Lahiri = 13°12'20 Julian Calendar 1 March 1236 == Greg. Calendar 8 March 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

APRIL 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 6 28	18♈28'22	20♑47	21♓24	19♈13	19♓ 5	9°R 5	1♊ 0	8♑10	4♊36	7°R59	17°D31	16♌29	26♌59	17♓31	T 1
W 2	13 10 25	19°26'53	4♒50	22°17	20°28	19°51	9♐ 2	1° 6	8°10	4°38	7♎57	17♌31	16°26	27° 5	17°34	W 2
T 3	13 14 21	20°25'21	19° 7	23°13	21°42	20°38	9° 0	1°13	8°11	4°39	7°55	17°R32	16°23	27°12	17°37	T 3
F 4	13 18 18	21°23'48	3♓36	24°11	22°56	21°24	8°57	1°20	8°11	4°41	7°54	17°31	16°19	27°19	17°41	F 4
S 5	13 22 14	22°22'14	18°15	25°13	24°10	22°10	8°54	1°26	8°R11	4°43	7°52	17°28	16°16	27°25	17°44	S 5
S 6	13 26 11	23°20'37	2♈57	26°17	25°24	22°57	8°50	1°33	8°11	4°45	7°51	17°22	16°13	27°32	17°47	S 6
M 7	13 30 7	24°18'59	17°36	27°24	26°38	23°43	8°47	1°40	8°11	4°46	7°49	17°13	16°10	27°39	17°50	M 7
T 8	13 34 4	25°17'20	2♉ 4	28°34	27°52	24°29	8°43	1°47	8°10	4°48	7°47	17° 3	16° 7	27°45	17°53	T 8
W 9	13 38 0	26°15'38	16°14	29°46	29° 6	25°15	8°40	1°53	8°10	4°50	7°46	16°52	16° 3	27°52	17°56	W 9
T 10	13 41 57	27°13'54	0♊ 2	1♈ 0	0♉20	26° 2	8°36	2° 0	8°10	4°52	7°44	16°42	16° 0	27°59	17°59	T 10
F 11	13 45 54	28°12'09	13°25	2°17	1°34	26°48	8°31	2° 7	8°10	4°54	7°43	16°33	15°57	28° 5	18° 2	F 11
S 12	13 49 50	29°10'21	26°23	3°36	2°48	27°34	8°27	2°14	8° 9	4°56	7°41	16°27	15°54	28°12	18° 5	S 12
S 13	13 53 47	0♉ 8'32	8♋57	4°57	4° 2	28°20	8°23	2°21	8° 9	4°57	7°40	16°23	15°51	28°19	18° 8	S 13
M14	13 57 43	1° 6'40	21°12	6°20	5°16	29° 6	8°18	2°28	8° 9	4°59	7°38	16°21	15°48	28°25	18°11	M14
T 15	14 1 40	2° 4'47	3♌13	7°46	6°30	29°52	8°13	2°36	8° 8	5° 1	7°36	16°D20	15°44	28°32	18°14	T 15
W16	14 5 36	3° 2'51	15° 4	9°13	7°44	0♈38	8° 9	2°43	8° 8	5° 3	7°35	16°R21	15°41	28°38	18°17	W16
T 17	14 9 33	4° 0'54	26°52	10°43	8°58	1°24	8° 4	2°50	8° 7	5° 5	7°34	16°20	15°38	28°45	18°20	T 17
F 18	14 13 29	4°58'54	8♍41	12°14	10°12	2° 9	7°58	2°57	8° 6	5° 7	7°32	16°18	15°35	28°52	18°23	F 18
S 19	14 17 26	5°56'53	20°36	13°48	11°26	2°55	7°53	3° 4	8° 6	5° 9	7°31	16°14	15°32	28°58	18°25	S 19
S 20	14 21 23	6°54'50	2♎42	15°23	12°40	3°41	7°48	3°12	8° 5	5°11	7°29	16° 7	15°28	29° 5	18°28	S 20
M21	14 25 19	7°52'45	15° 1	17° 1	13°54	4°27	7°42	3°19	8° 4	5°13	7°28	15°58	15°25	29°12	18°31	M21
T 22	14 29 16	8°50'38	27°34	18°41	15° 8	5°12	7°36	3°26	8° 3	5°15	7°26	15°46	15°22	29°18	18°33	T 22
W23	14 33 12	9°48'30	10♏23	20°22	16°21	5°58	7°30	3°34	8° 2	5°17	7°25	15°34	15°19	29°25	18°36	W23
T 24	14 37 9	10°46'20	23°27	22° 6	17°35	6°43	7°24	3°41	8° 2	5°19	7°24	15°21	15°16	29°32	18°39	T 24
F 25	14 41 5	11°44'09	6♐45	23°51	18°49	7°29	7°18	3°49	8° 1	5°21	7°22	15° 9	15°13	29°38	18°41	F 25
S 26	14 45 2	12°41'57	20°14	25°39	20° 3	8°14	7°12	3°56	8° 0	5°24	7°21	15° 0	15° 9	29°45	18°44	S 26
S 27	14 48 58	13°39'43	3♑53	27°29	21°17	9° 0	7° 6	4° 4	7°59	5°26	7°20	14°53	15° 6	29°52	18°46	S 27
M28	14 52 55	14°37'28	17°40	29°20	22°30	9°45	6°59	4°11	7°58	5°28	7°19	14°50	15° 3	29°58	18°49	M28
T 29	14 56 52	15°35'12	1♒35	1♉14	23°44	10°31	6°53	4°19	7°56	5°30	7°17	14°48	15° 0	0♍ 5	18°51	T 29
W30	15 0 48	16♉32'55	15♒37	3♉ 9	24♉58	11♈16	6♐46	4♊26	7♑55	5♊32	7♎16	14♌48	14♌57	0♍12	18♓53	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n16	19s39	2n18	5s22	2s 7	6n33	1s 5	5s23	1s 9	21s 5	0n49	18n56	1s33	23s37	0s20	19n39	1s31	13n 6	17n45	15n39	15n58	13n27	1s 9	4n 8
W 2	7 38	18 3	1 7	5 8	2 14	7 3	1 3	5 5	1 9	21 5	0 49	18 57	1 33	23 37	0 20	19 40	1 31	13 7	17 45	15 39	15 59	13 26	1 7	4 8
T 3	8 1	15 17	0s 8	4 51	2 21	7 32	1 2	4 47	1 9	21 5	0 49	18 59	1 33	23 37	0 20	19 40	1 31	13 7	17 45	15 39	16 0	13 24	1 6	4 8
F 4	8 23	11 32	1 25	4 33	2 26	8 1	1 0	4 28	1 8	21 4	0 49	19 0	1 32	23 37	0 20	19 40	1 31	13 8	17 44	15 39	16 1	13 23	1 5	4 9
S 5	8 45	7 3	2 36	4 13	2 31	8 30	0 58	4 10	1 8	21 4	0 49	19 2	1 32	23 37	0 20	19 41	1 31	13 8	17 44	15 40	16 1	13 21	1 3	4 9
S 6	9 6	2 9	3 37	3 52	2 36	8 59	0 56	3 51	1 8	21 3	0 49	19 3	1 32	23 37	0 20	19 41	1 31	13 9	17 44	15 42	16 2	13 20	1 2	4 9
M 7	9 28	2n52	4 24	3 29	2 40	9 28	0 55	3 33	1 8	21 3	0 49	19 5	1 32	23 37	0 20	19 41	1 31	13 9	17 44	15 44	16 3	13 18	1 1	4 9
T 8	9 49	7 40	4 53	3 4	2 43	9 56	0 53	3 14	1 8	21 2	0 49	19 6	1 32	23 37	0 20	19 42	1 31	13 10	17 44	15 47	16 4	13 17	0 59	4 9
W 9	10 11	11 56	5 3	2 37	2 45	10 24	0 51	2 56	1 8	21 1	0 49	19 8	1 32	23 37	0 20	19 42	1 31	13 10	17 44	15 51	16 5	13 15	0 58	4 9
T 10	10 32	15 26	4 55	2 9	2 47	10 52	0 49	2 37	1 7	21 1	0 49	19 9	1 31	23 37	0 20	19 43	1 31	13 10	17 43	15 54	16 6	13 14	0 57	4 9
F 11	10 53	18 2	4 31	1 40	2 49	11 20	0 47	2 18	1 7	21 0	0 49	19 11	1 31	23 37	0 20	19 43	1 31	13 11	17 43	15 56	16 7	13 12	0 56	4 9
S 12	11 13	19 36	3 53	1 9	2 50	11 47	0 45	2 0	1 7	20 59	0 49	19 12	1 31	23 37	0 20	19 43	1 31	13 11	17 43	15 58	16 8	13 11	0 54	4 9
S 13	11 34	20 9	3 5	0 37	2 50	12 15	0 43	1 41	1 7	20 59	0 49	19 14	1 31	23 37	0 20	19 44	1 30	13 12	17 43	16 0	16 9	13 9	0 53	4 9
M14	11 54	19 44	2 10	0 4	2 49	12 41	0 41	1 23	1 7	20 58	0 49	19 15	1 31	23 37	0 20	19 44	1 30	13 12	17 43	16 0	16 10	13 8	0 52	4 9
T 15	12 15	18 24	1 9	0n31	2 48	13 8	0 39	1 4	1 6	20 57	0 49	19 17	1 31	23 37	0 20	19 44	1 30	13 12	17 42	16 0	16 11	13 6	0 51	4 9
W16	12 35	16 16	0 7	1 7	2 47	13 34	0 37	0 46	1 6	20 57	0 49	19 18	1 30	23 37	0 20	19 45	1 30	13 13	17 42	16 0	16 12	13 5	0 49	4 10
T 17	12 55	13 29	0n56	1 44	2 44	14 0	0 35	0 27	1 6	20 56	0 49	19 20	1 30	23 37	0 20	19 45	1 30	13 13	17 42	16 0	16 13	13 3	0 48	4 10
F 18	13 14	10 8	1 56	2 22	2 42	14 26	0 32	0 9	1 6	20 55	0 49	19 22	1 30	23 37	0 20	19 46	1 30	13 13	17 42	16 1	16 14	13 2	0 47	4 10
S 19	13 33	6 21	2 51	3 2	2 38	14 51	0 30	0n10	1 6	20 54	0 49	19 23	1 30	23 38	0 20	19 46	1 30	13 14	17 41	16 2	16 15	13 0	0 46	4 10
S 20	13 53	2 17	3 39	3 42	2 35	15 16	0 28	0 28	1 5	20 53	0 49	19 25	1 30	23 38	0 20	19 46	1 30	13 14	17 41	16 4	16 16	12 59	0 45	4 10
M21	14 12	1s58	4 18	4 24	2 30	15 40	0 26	0 47	1 5	20 52	0 49	19 26	1 30	23 38	0 20	19 47	1 30	13 14	17 41	16 7	16 17	12 57	0 44	4 10
T 22	14 30	6 12	4 46	5 6	2 25	16 4	0 23	1 5	1 5	20 51	0 49	19 28	1 30	23 38	0 20	19 47	1 30	13 15	17 40	16 10	16 18	12 55	0 42	4 10
W23	14 49	10 15	4 59	5 50	2 20	16 28	0 21	1 24	1 4	20 51	0 49	19 29	1 29	23 38	0 20	19 48	1 30	13 15	17 40	16 14	16 19	12 54	0 41	4 10
T 24	15 7	13 55	4 58	6 34	2 14	16 51	0 19	1 42	1 4	20 50	0 49	19 31	1 29	23 38	0 20	19 48	1 30	13 15	17 40	16 18	16 19	12 52	0 40	4 10
F 25	15 25	16 56	4 40	7 19	2 8	17 14	0 16	2 0	1 4	20 49	0 49	19 32	1 29	23 38	0 20	19 48	1 30	13 15	17 40	16 21	16 20	12 51	0 39	4 11
S 26	15 43	19 5	4 6	8 5	2 1	17 36	0 14	2 18	1 4	20 48	0 49	19 34	1 29	23 38	0 20	19 49	1 30	13 15	17 39	16 24	16 21	12 49	0 38	4 11
S 27	16 0	20 11	3 18	8 51	1 53	17 58	0 12	2 37	1 3	20 47	0 49	19 35	1 29	23 38	0 20	19 49	1 30	13 16	17 39	16 26	16 22	12 48	0 37	4 11
M28	16 17	20 5	2 18	9 38	1 45	18 19	0 9	2 55	1 3	20 46	0 49	19 37	1 29	23 38	0 21	19 49	1 30	13 16	17 39	16 27	16 23	12 46	0 36	4 11
T 29	16 34	18 46	1 9	10 26	1 37	18 40	0 7	3 13	1 3	20 45	0 49	19 38	1 29	23 38	0 21	19 50	1 30	13 16	17 38	16 28	16 24	12 45	0 35	4 11
W30	16n51	16s17	0s 4	11n14	1s28	19n 1	0s 4	3n31	1s 2	20s43	0n49	19n40	1s29	23s38	0s21	19n50	1s30	13n16	17n38	16n28	16n25	12n43	0s34	4n11

Julian Day Number = 2172597.5, Delta T = 12m11s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'24, Lahiri = 13°12'24 Julian Calendar 1 Apr. 1236 == Greg. Calendar 8 Apr. 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

MAY 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 4 45	17♉30'37	29♒45	5♉ 7	26♉12	12♈ 1	6°R39	4♊34	7°R54	5♊34	7°R15	14°R48	14♌54	0♍18	18♓56	T 1
F 2	15 8 41	18°28'18	13♓58	7° 6	27°25	12°46	6♐32	4°42	7♑53	5°36	7♎14	14♌46	14°50	0°25	18°58	F 2
S 3	15 12 38	19°25'57	28°15	9° 8	28°39	13°32	6°26	4°49	7°51	5°38	7°13	14°42	14°47	0°32	19° 0	S 3
S 4	15 16 34	20°23'36	12♈32	11°11	29°53	14°17	6°19	4°57	7°50	5°41	7°11	14°36	14°44	0°38	19° 2	S 4
M 5	15 20 31	21°21'13	26°45	13°16	1♊ 6	15° 2	6°11	5° 5	7°49	5°43	7°10	14°27	14°41	0°45	19° 4	M 5
T 6	15 24 27	22°18'50	10♉50	15°22	2°20	15°47	6° 4	5°12	7°47	5°45	7° 9	14°16	14°38	0°51	19° 6	T 6
W 7	15 28 24	23°16'25	24°41	17°30	3°34	16°32	5°57	5°20	7°46	5°47	7° 8	14° 4	14°34	0°58	19° 8	W 7
T 8	15 32 20	24°13'59	8♊15	19°39	4°47	17°17	5°50	5°28	7°44	5°49	7° 7	13°52	14°31	1° 5	19°10	T 8
F 9	15 36 17	25°11'32	21°28	21°49	6° 1	18° 2	5°42	5°36	7°43	5°52	7° 6	13°42	14°28	1°11	19°12	F 9
S 10	15 40 14	26° 9'04	4♋20	24° 0	7°15	18°46	5°35	5°43	7°41	5°54	7° 5	13°35	14°25	1°18	19°14	S 10
S 11	15 44 10	27° 6'34	16°52	26°11	8°28	19°31	5°27	5°51	7°40	5°56	7° 4	13°29	14°22	1°25	19°16	S 11
M12	15 48 7	28° 4'03	29° 6	28°23	9°42	20°16	5°20	5°59	7°38	5°58	7° 3	13°27	14°19	1°31	19°18	M12
T 13	15 52 3	29° 1'31	11♌ 7	0♊35	10°55	21° 0	5°12	6° 7	7°36	6° 1	7° 3	13°D26	14°15	1°38	19°20	T 13
W14	15 56 0	29°58'58	22°59	2°47	12° 9	21°45	5° 5	6°15	7°35	6° 3	7° 2	13°26	14°12	1°45	19°21	W14
T 15	15 59 56	0♊56'23	4♍48	4°58	13°23	22°29	4°57	6°22	7°33	6° 5	7° 1	13°R26	14° 9	1°51	19°23	T 15
F 16	16 3 53	1°53'47	16°38	7° 9	14°36	23°14	4°50	6°30	7°31	6° 7	7° 0	13°25	14° 6	1°58	19°25	F 16
S 17	16 7 49	2°51'10	28°37	9°18	15°50	23°58	4°42	6°38	7°29	6° 9	6°59	13°22	14° 3	2° 5	19°26	S 17
S 18	16 11 46	3°48'31	10♎47	11°26	17° 3	24°43	4°34	6°46	7°27	6°12	6°59	13°17	14° 0	2°11	19°28	S 18
M19	16 15 43	4°45'52	23°13	13°33	18°17	25°27	4°27	6°54	7°25	6°14	6°58	13° 9	13°56	2°18	19°29	M19
T 20	16 19 39	5°43'11	5♏57	15°39	19°30	26°11	4°19	7° 2	7°24	6°16	6°57	13° 0	13°53	2°25	19°31	T 20
W21	16 23 36	6°40'30	19° 1	17°42	20°44	26°55	4°11	7°10	7°22	6°18	6°57	12°49	13°50	2°31	19°32	W21
T 22	16 27 32	7°37'48	2♐24	19°44	21°57	27°39	4° 4	7°17	7°20	6°21	6°56	12°39	13°47	2°38	19°33	T 22
F 23	16 31 29	8°35'05	16° 4	21°43	23°11	28°24	3°56	7°25	7°18	6°23	6°55	12°29	13°44	2°45	19°34	F 23
S 24	16 35 25	9°32'21	29°57	23°41	24°24	29° 8	3°49	7°33	7°16	6°25	6°55	12°21	13°40	2°51	19°36	S 24
S 25	16 39 22	10°29'37	14♑ 1	25°36	25°37	29°51	3°41	7°41	7°14	6°27	6°54	12°16	13°37	2°58	19°37	S 25
M26	16 43 19	11°26'53	28°10	27°29	26°51	0♉35	3°34	7°49	7°12	6°30	6°54	12°13	13°34	3° 5	19°38	M26
T 27	16 47 15	12°24'07	12♒23	29°19	28° 4	1°19	3°26	7°57	7° 9	6°32	6°53	12°D12	13°31	3°11	19°39	T 27
W28	16 51 12	13°21'22	26°35	1♋ 7	29°18	2° 3	3°19	8° 4	7° 7	6°34	6°53	12°12	13°28	3°18	19°40	W28
T 29	16 55 8	14°18'36	10♓45	2°53	0♋31	2°47	3°11	8°12	7° 5	6°36	6°53	12°R13	13°25	3°24	19°41	T 29
F 30	16 59 5	15°15'50	24°53	4°37	1°44	3°30	3° 4	8°20	7° 3	6°39	6°52	12°13	13°21	3°31	19°42	F 30
S 31	17 3 1	16♊13'04	8♈56	6♋18	2♋58	4♉14	2♐56	8♊28	7♑ 1	6♊41	6♎52	12♌11	13♌18	3♍38	19♓43	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 8	12s50	1s18	12n 2	1s19	19n21	0s 2	3n49	1s 2	20s42	0n49	19n41	1s29	23s39	0s21	19n51	1s30	13n16	17n37	16n28	16n26	12n42	0s33	4n11
F 2	17 24	8 36	2 28	12 51	1 10	19 40	0n 0	4 7	1 2	20 41	0 49	19 43	1 28	23 39	0 21	19 51	1 30	13 16	17 37	16 28	16 27	12 40	0 32	4 12
S 3	17 40	3 53	3 28	13 39	1 0	19 59	0 3	4 25	1 1	20 40	0 49	19 44	1 28	23 39	0 21	19 51	1 30	13 16	17 37	16 29	16 28	12 38	0 31	4 12
S 4	17 55	1n 3	4 16	14 27	0 50	20 17	0 5	4 43	1 1	20 39	0 49	19 46	1 28	23 39	0 21	19 52	1 30	13 17	17 36	16 31	16 29	12 37	0 30	4 12
M 5	18 10	5 54	4 47	15 15	0 40	20 35	0 8	5 1	1 1	20 38	0 49	19 47	1 28	23 39	0 21	19 52	1 30	13 17	17 36	16 34	16 30	12 35	0 29	4 12
T 6	18 25	10 23	5 0	16 3	0 29	20 53	0 10	5 18	1 0	20 37	0 49	19 49	1 28	23 39	0 21	19 53	1 30	13 17	17 35	16 37	16 31	12 34	0 28	4 12
W 7	18 40	14 14	4 56	16 49	0 19	21 9	0 13	5 36	1 0	20 36	0 48	19 50	1 28	23 39	0 21	19 53	1 30	13 17	17 35	16 41	16 32	12 32	0 27	4 12
T 8	18 54	17 15	4 34	17 35	0 8	21 25	0 15	5 54	0 59	20 34	0 48	19 52	1 28	23 39	0 21	19 53	1 30	13 17	17 35	16 44	16 33	12 30	0 26	4 12
F 9	19 8	19 17	3 59	18 20	0n 3	21 41	0 17	6 11	0 59	20 33	0 48	19 53	1 28	23 39	0 21	19 54	1 30	13 17	17 34	16 47	16 33	12 29	0 25	4 13
S 10	19 22	20 16	3 12	19 4	0 13	21 56	0 20	6 29	0 59	20 32	0 48	19 55	1 28	23 39	0 21	19 54	1 30	13 17	17 34	16 49	16 34	12 27	0 24	4 13
S 11	19 36	20 13	2 16	19 46	0 24	22 10	0 22	6 46	0 58	20 31	0 48	19 56	1 28	23 40	0 21	19 55	1 30	13 17	17 33	16 50	16 35	12 26	0 23	4 13
M12	19 49	19 11	1 15	20 26	0 34	22 24	0 25	7 3	0 58	20 29	0 48	19 57	1 27	23 40	0 21	19 55	1 30	13 17	17 33	16 51	16 36	12 24	0 22	4 13
T 13	20 1	17 19	0 12	21 4	0 44	22 37	0 27	7 21	0 57	20 28	0 48	19 59	1 27	23 40	0 21	19 55	1 30	13 16	17 32	16 51	16 37	12 22	0 22	4 13
W14	20 14	14 43	0n51	21 40	0 53	22 49	0 29	7 38	0 57	20 27	0 48	20 0	1 27	23 40	0 21	19 56	1 30	13 16	17 32	16 51	16 38	12 21	0 21	4 13
T 15	20 26	11 31	1 51	22 14	1 2	23 1	0 32	7 55	0 57	20 26	0 48	20 2	1 27	23 40	0 21	19 56	1 30	13 16	17 32	16 51	16 39	12 19	0 20	4 14
F 16	20 38	7 51	2 47	22 45	1 11	23 12	0 34	8 12	0 56	20 24	0 48	20 3	1 27	23 40	0 21	19 57	1 30	13 16	17 31	16 52	16 40	12 18	0 19	4 14
S 17	20 49	3 51	3 36	23 14	1 19	23 23	0 36	8 28	0 56	20 23	0 47	20 5	1 27	23 40	0 21	19 57	1 30	13 16	17 31	16 52	16 41	12 16	0 18	4 14
S 18	21 0	0s21	4 16	23 40	1 27	23 33	0 39	8 45	0 55	20 22	0 47	20 6	1 27	23 40	0 21	19 57	1 30	13 16	17 30	16 54	16 42	12 14	0 18	4 14
M19	21 11	4 38	4 45	24 4	1 33	23 42	0 41	9 2	0 55	20 21	0 47	20 7	1 27	23 41	0 21	19 58	1 30	13 16	17 30	16 56	16 43	12 13	0 17	4 14
T 20	21 21	8 50	5 1	24 25	1 40	23 50	0 43	9 18	0 54	20 19	0 47	20 9	1 27	23 41	0 21	19 58	1 30	13 16	17 29	16 59	16 44	12 11	0 16	4 14
W21	21 31	12 43	5 1	24 43	1 45	23 58	0 45	9 35	0 54	20 18	0 47	20 10	1 27	23 41	0 21	19 59	1 30	13 15	17 29	17 2	16 45	12 10	0 16	4 15
T 22	21 40	16 3	4 46	24 58	1 50	24 5	0 48	9 51	0 53	20 17	0 47	20 11	1 27	23 41	0 21	19 59	1 30	13 15	17 28	17 5	16 45	12 8	0 15	4 15
F 23	21 49	18 36	4 13	25 10	1 54	24 11	0 50	10 7	0 53	20 15	0 47	20 13	1 27	23 41	0 21	19 59	1 30	13 15	17 28	17 8	16 46	12 6	0 14	4 15
S 24	21 58	20 7	3 25	25 20	1 57	24 17	0 52	10 23	0 52	20 14	0 47	20 14	1 26	23 41	0 21	20 0	1 30	13 15	17 27	17 10	16 47	12 5	0 14	4 15
S 25	22 7	20 24	2 25	25 28	2 0	24 22	0 54	10 39	0 52	20 13	0 46	20 15	1 26	23 41	0 21	20 0	1 30	13 14	17 27	17 11	16 48	12 3	0 13	4 15
M26	22 15	19 24	1 14	25 33	2 2	24 26	0 56	10 55	0 51	20 12	0 46	20 17	1 26	23 41	0 21	20 1	1 30	13 14	17 26	17 12	16 49	12 1	0 12	4 15
T 27	22 22	17 10	0s 1	25 35	2 3	24 29	0 58	11 11	0 51	20 10	0 46	20 18	1 26	23 42	0 21	20 1	1 30	13 14	17 26	17 12	16 50	12 0	0 12	4 16
W28	22 30	13 54	1 16	25 35	2 3	24 32	1 0	11 27	0 50	20 9	0 46	20 19	1 26	23 42	0 21	20 1	1 30	13 13	17 25	17 12	16 51	11 58	0 11	4 16
T 29	22 37	9 50	2 27	25 33	2 3	24 34	1 2	11 42	0 50	20 8	0 46	20 21	1 26	23 42	0 21	20 2	1 30	13 13	17 24	17 12	16 52	11 56	0 11	4 16
F 30	22 43	5 13	3 28	25 29	2 2	24 35	1 4	11 58	0 49	20 6	0 46	20 22	1 26	23 42	0 21	20 2	1 30	13 13	17 24	17 12	16 53	11 55	0 10	4 16
S 31	22n49	0s23	4s17	25n23	2n 0	24n36	1n 6	12n13	0s49	20s 5	0n46	20n23	1s26	23s42	0s21	20n 2	1s30	13n12	17n23	17n13	16n54	11n53	0s10	4n16

Julian Day Number = 2172627.5, Delta T = 12m11s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'28, Lahiri = 13°12'28 Julian Calendar 1 May 1236 == Greg. Calendar 8 May 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

JUNE 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 58	17♊10'18	22♈52	7♋56	4♋11	4♉57	2°R49	8♊36	6°R59	6♊43	6°R52	12°R 6	13♌15	3♍44	19♓44	S 1
M 2	17 10 54	18° 7'31	6♉41	9°33	5°24	5°41	2♐42	8°43	6♑56	6°45	6♎51	12♌ 0	13°12	3°51	19°44	M 2
T 3	17 14 51	19° 4'45	20°20	11° 6	6°38	6°24	2°35	8°51	6°54	6°47	6°51	11°52	13° 9	3°58	19°45	T 3
W 4	17 18 48	20° 1'58	3♊47	12°38	7°51	7° 8	2°28	8°59	6°52	6°50	6°51	11°43	13° 6	4° 4	19°46	W 4
T 5	17 22 44	20°59'11	16°58	14° 6	9° 4	7°51	2°21	9° 7	6°50	6°52	6°51	11°35	13° 2	4°11	19°46	T 5
F 6	17 26 41	21°56'24	29°54	15°33	10°18	8°34	2°14	9°14	6°47	6°54	6°51	11°27	12°59	4°18	19°47	F 6
S 7	17 30 37	22°53'36	12♋33	16°56	11°31	9°17	2° 7	9°22	6°45	6°56	6°50	11°22	12°56	4°24	19°47	S 7
S 8	17 34 34	23°50'48	24°56	18°18	12°44	10° 0	2° 1	9°30	6°43	6°58	6°50	11°18	12°53	4°31	19°48	S 8
M 9	17 38 30	24°48'00	7♌ 5	19°36	13°57	10°43	1°54	9°38	6°40	7° 0	6°D50	11°D17	12°50	4°38	19°48	M 9
T 10	17 42 27	25°45'11	19° 3	20°52	15°11	11°26	1°48	9°45	6°38	7° 3	6°50	11°17	12°46	4°44	19°48	T 10
W11	17 46 23	26°42'22	0♍55	22° 5	16°24	12° 9	1°41	9°53	6°36	7° 5	6°50	11°18	12°43	4°51	19°49	W11
T 12	17 50 20	27°39'32	12°43	23°16	17°37	12°52	1°35	10° 1	6°33	7° 7	6°50	11°20	12°40	4°58	19°49	T 12
F 13	17 54 17	28°36'42	24°34	24°23	18°50	13°34	1°29	10° 8	6°31	7° 9	6°51	11°R21	12°37	5° 4	19°49	F 13
S 14	17 58 13	29°33'52	6♎33	25°28	20° 3	14°17	1°23	10°16	6°28	7°11	6°51	11°20	12°34	5°11	19°49	S 14
S 15	18 2 10	0♋31'02	18°44	26°30	21°17	15° 0	1°17	10°23	6°26	7°13	6°51	11°19	12°31	5°18	19°R49	S 15
M16	18 6 6	1°28'11	1♏13	27°28	22°30	15°42	1°11	10°31	6°24	7°15	6°51	11°15	12°27	5°24	19°49	M16
T 17	18 10 3	2°25'20	14° 1	28°24	23°43	16°24	1° 6	10°38	6°21	7°17	6°51	11°11	12°24	5°31	19°49	T 17
W18	18 13 59	3°22'30	27°13	29°16	24°56	17° 7	1° 0	10°46	6°19	7°19	6°52	11° 5	12°21	5°38	19°49	W18
T 19	18 17 56	4°19'39	10♐48	0♌ 4	26° 9	17°49	0°55	10°53	6°16	7°21	6°52	10°59	12°18	5°44	19°49	T 19
F 20	18 21 52	5°16'48	24°44	0°49	27°22	18°31	0°50	11° 1	6°14	7°24	6°52	10°54	12°15	5°51	19°48	F 20
S 21	18 25 49	6°13'57	8♑59	1°31	28°35	19°13	0°45	11° 8	6°12	7°26	6°53	10°50	12°12	5°58	19°48	S 21
S 22	18 29 46	7°11'07	23°26	2° 8	29°48	19°56	0°40	11°15	6° 9	7°28	6°53	10°47	12° 8	6° 4	19°48	S 22
M23	18 33 42	8° 8'17	8♒ 1	2°42	1♌ 1	20°38	0°35	11°23	6° 7	7°30	6°53	10°D46	12° 5	6°11	19°47	M23
T 24	18 37 39	9° 5'27	22°37	3°12	2°14	21°19	0°30	11°30	6° 4	7°32	6°54	10°46	12° 2	6°18	19°47	T 24
W25	18 41 35	10° 2'38	7♓10	3°37	3°27	22° 1	0°26	11°37	6° 2	7°33	6°54	10°48	11°59	6°24	19°47	W25
T 26	18 45 32	10°59'49	21°33	3°58	4°40	22°43	0°22	11°44	5°59	7°35	6°55	10°49	11°56	6°31	19°46	T 26
F 27	18 49 28	11°57'01	5♈46	4°14	5°53	23°25	0°18	11°52	5°57	7°37	6°56	10°R50	11°52	6°38	19°45	F 27
S 28	18 53 25	12°54'14	19°45	4°26	7° 6	24° 6	0°14	11°59	5°55	7°39	6°56	10°50	11°49	6°44	19°45	S 28
S 29	18 57 21	13°51'28	3♉31	4°33	8°19	24°48	0°10	12° 6	5°52	7°41	6°57	10°49	11°46	6°51	19°44	S 29
M30	19 1 18	14♋48'42	17♉ 3	4°R35	9♌32	25♉29	0♐ 6	12♊13	5♑50	7♊43	6♎57	10♌46	11♌43	6♍58	19♓43	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n55	4n27	4s49	25n15	1n58	24n36	1n 8	12n28	0s48	20s 4	0n45	20n25	1s26	23s42	0s21	20n 3	1s30	13n12	17n23	17n14	16n55	11n51	0s 9	4n16
M 2	23 0	9 0	5 5	25 6	1 54	24 35	1 9	12 43	0 48	20 3	0 45	20 26	1 26	23 42	0 21	20 3	1 30	13 12	17 22	17 16	16 55	11 50	0 9	4 17
T 3	23 5	13 2	5 3	24 54	1 51	24 33	1 11	12 58	0 47	20 2	0 45	20 27	1 26	23 43	0 21	20 4	1 30	13 11	17 22	17 18	16 56	11 48	0 8	4 17
W 4	23 10	16 20	4 44	24 42	1 46	24 31	1 13	13 13	0 47	20 0	0 45	20 28	1 26	23 43	0 21	20 4	1 30	13 11	17 21	17 20	16 57	11 46	0 8	4 17
T 5	23 14	18 45	4 10	24 28	1 41	24 28	1 15	13 27	0 46	19 59	0 45	20 30	1 26	23 43	0 21	20 4	1 30	13 10	17 21	17 23	16 58	11 45	0 8	4 17
F 6	23 17	20 8	3 24	24 12	1 35	24 24	1 16	13 42	0 45	19 58	0 45	20 31	1 26	23 43	0 21	20 5	1 30	13 10	17 20	17 25	16 59	11 43	0 7	4 17
S 7	23 21	20 28	2 29	23 56	1 29	24 20	1 18	13 56	0 45	19 57	0 44	20 32	1 26	23 43	0 21	20 5	1 30	13 9	17 20	17 26	17 0	11 41	0 7	4 18
S 8	23 24	19 48	1 27	23 38	1 22	24 14	1 19	14 11	0 44	19 56	0 44	20 33	1 26	23 43	0 21	20 5	1 30	13 9	17 19	17 27	17 1	11 40	0 6	4 18
M 9	23 26	18 13	0 23	23 19	1 14	24 8	1 21	14 25	0 44	19 54	0 44	20 34	1 26	23 43	0 21	20 6	1 30	13 8	17 18	17 28	17 2	11 38	0 6	4 18
T 10	23 28	15 50	0n42	23 0	1 6	24 2	1 22	14 39	0 43	19 53	0 44	20 35	1 26	23 43	0 21	20 6	1 30	13 8	17 18	17 28	17 3	11 36	0 6	4 18
W11	23 30	12 49	1 44	22 40	0 58	23 54	1 23	14 52	0 42	19 52	0 44	20 37	1 26	23 44	0 21	20 6	1 30	13 7	17 17	17 27	17 4	11 35	0 6	4 18
T 12	23 31	9 18	2 42	22 19	0 48	23 46	1 25	15 6	0 42	19 51	0 43	20 38	1 26	23 44	0 21	20 7	1 30	13 7	17 17	17 27	17 5	11 33	0 5	4 19
F 13	23 32	5 25	3 33	21 58	0 39	23 37	1 26	15 19	0 41	19 50	0 43	20 39	1 26	23 44	0 21	20 7	1 30	13 6	17 16	17 27	17 5	11 31	0 5	4 19
S 14	23 32	1 18	4 16	21 36	0 28	23 28	1 27	15 33	0 41	19 49	0 43	20 40	1 26	23 44	0 21	20 7	1 30	13 6	17 16	17 27	17 6	11 30	0 5	4 19
S 15	23 32	2s57	4 47	21 14	0 18	23 18	1 28	15 46	0 40	19 48	0 43	20 41	1 26	23 44	0 21	20 8	1 30	13 5	17 15	17 27	17 7	11 28	0 5	4 19
M16	23 32	7 9	5 6	20 51	0 6	23 7	1 29	15 59	0 39	19 47	0 43	20 42	1 26	23 44	0 21	20 8	1 30	13 5	17 15	17 28	17 8	11 26	0 5	4 19
T 17	23 31	11 10	5 10	20 29	0s 5	22 56	1 30	16 12	0 39	19 46	0 42	20 43	1 26	23 44	0 21	20 8	1 30	13 4	17 14	17 30	17 9	11 24	0 4	4 19
W18	23 30	14 46	4 59	20 6	0 17	22 43	1 31	16 24	0 38	19 45	0 42	20 44	1 25	23 44	0 21	20 9	1 30	13 3	17 13	17 31	17 10	11 23	0 4	4 20
T 19	23 28	17 42	4 30	19 44	0 30	22 31	1 32	16 37	0 37	19 44	0 42	20 45	1 25	23 45	0 21	20 9	1 30	13 3	17 13	17 33	17 11	11 21	0 4	4 20
F 20	23 26	19 41	3 45	19 22	0 43	22 17	1 33	16 49	0 37	19 43	0 42	20 46	1 25	23 45	0 21	20 9	1 30	13 2	17 12	17 34	17 12	11 19	0 4	4 20
S 21	23 23	20 29	2 45	19 0	0 56	22 3	1 33	17 2	0 36	19 43	0 42	20 48	1 25	23 45	0 21	20 10	1 30	13 1	17 12	17 35	17 13	11 18	0 4	4 20
S 22	23 20	19 58	1 33	18 38	1 9	21 48	1 34	17 14	0 35	19 42	0 41	20 49	1 25	23 45	0 21	20 10	1 30	13 1	17 11	17 36	17 13	11 16	0 4	4 20
M23	23 17	18 6	0 15	18 17	1 23	21 33	1 35	17 25	0 35	19 41	0 41	20 50	1 25	23 45	0 21	20 10	1 30	13 0	17 11	17 36	17 14	11 14	0 4	4 20
T 24	23 13	15 3	1s 5	17 57	1 37	21 17	1 35	17 37	0 34	19 40	0 41	20 51	1 25	23 45	0 21	20 11	1 30	12 59	17 10	17 36	17 15	11 12	0 4	4 21
W25	23 9	11 5	2 20	17 37	1 52	21 1	1 36	17 49	0 33	19 40	0 41	20 52	1 25	23 45	0 21	20 11	1 30	12 59	17 9	17 36	17 16	11 11	0 4	4 21
T 26	23 5	6 30	3 25	17 18	2 6	20 44	1 36	18 0	0 33	19 39	0 41	20 53	1 25	23 45	0 21	20 11	1 30	12 58	17 9	17 35	17 17	11 9	0 4	4 21
F 27	23 0	1 38	4 17	17 0	2 20	20 26	1 36	18 11	0 32	19 38	0 40	20 53	1 25	23 46	0 21	20 11	1 30	12 57	17 8	17 35	17 18	11 7	0 4	4 21
S 28	22 54	3n14	4 53	16 44	2 35	20 8	1 36	18 22	0 31	19 38	0 40	20 54	1 25	23 46	0 21	20 12	1 30	12 56	17 8	17 35	17 19	11 5	0 4	4 21
S 29	22 49	7 51	5 11	16 28	2 49	19 49	1 37	18 33	0 30	19 37	0 40	20 55	1 25	23 46	0 21	20 12	1 30	12 56	17 7	17 36	17 20	11 4	0 4	4 22
M30	22n43	12n 0	5s12	16n14	3s 3	19n29	1n37	18n44	0s30	19s36	0n40	20n56	1s25	23s46	0s21	20n12	1s30	12n55	17n 7	17n36	17n21	11n 2	0s 5	4n22

Julian Day Number = 2172658.5, Delta T = 12m10s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'32, Lahiri = 13°12'33 Julian Calendar 1 June 1236 == Greg. Calendar 8 June 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

JULY 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 5 15	15♋45'57	0♊20	4°R32	10♌45	26♉11	0°R 3	12♊20	5°R47	7♊45	6♎58	10°R43	11♌40	7♍ 4	19°R42	T 1
W 2	19 9 11	16°43'13	13°23	4♌25	11°58	26°52	29♏59	12°27	5♂45	7°47	6°59	10♌39	11°37	7°11	19♓42	W 2
T 3	19 13 8	17°40'30	26°12	4°12	13°11	27°33	29°56	12°34	5°43	7°49	7° 0	10°36	11°33	7°17	19°41	T 3
F 4	19 17 4	18°37'47	8♋48	3°55	14°23	28°15	29°53	12°41	5°40	7°50	7° 1	10°33	11°30	7°24	19°40	F 4
S 5	19 21 1	19°35'05	21°10	3°33	15°36	28°56	29°50	12°48	5°38	7°52	7° 1	10°31	11°27	7°31	19°39	S 5
S 6	19 24 57	20°32'24	3♌22	3° 7	16°49	29°37	29°48	12°54	5°36	7°54	7° 2	10°30	11°24	7°37	19°38	S 6
M 7	19 28 54	21°29'43	15°23	2°36	18° 2	0♊18	29°45	13° 1	5°34	7°56	7° 3	10°D30	11°21	7°44	19°37	M 7
T 8	19 32 50	22°27'03	27°17	2° 2	19°14	0°58	29°43	13° 8	5°31	7°57	7° 4	10°30	11°18	7°51	19°35	T 8
W 9	19 36 47	23°24'23	9♍ 6	1°24	20°27	1°39	29°41	13°15	5°29	7°59	7° 5	10°32	11°14	7°57	19°34	W 9
T 10	19 40 44	24°21'44	20°54	0°43	21°40	2°20	29°39	13°21	5°27	8° 1	7° 6	10°33	11°11	8° 4	19°33	T 10
F 11	19 44 40	25°19'06	2♎45	0° 0	22°53	3° 0	29°38	13°28	5°24	8° 2	7° 7	10°34	11° 8	8°11	19°32	F 11
S 12	19 48 37	26°16'28	14°43	29♋16	24° 5	3°41	29°36	13°34	5°22	8° 4	7° 8	10°35	11° 5	8°17	19°30	S 12
S 13	19 52 33	27°13'51	26°53	28°31	25°18	4°21	29°35	13°41	5°20	8° 6	7° 9	10°R35	11° 2	8°24	19°29	S 13
M14	19 56 30	28°11'15	9♏20	27°46	26°30	5° 2	29°34	13°47	5°18	8° 7	7°10	10°35	10°58	8°31	19°27	M14
T 15	20 0 26	29° 8'39	22° 7	27° 2	27°43	5°42	29°33	13°53	5°16	8° 9	7°11	10°34	10°55	8°37	19°26	T 15
W16	20 4 23	0♌ 6'04	5♐17	26°19	28°56	6°22	29°32	14° 0	5°14	8°10	7°13	10°33	10°52	8°44	19°24	W16
T 17	20 8 19	1° 3'30	18°54	25°39	0♍ 8	7° 2	29°31	14° 6	5°12	8°12	7°14	10°32	10°49	8°51	19°23	T 17
F 18	20 12 16	2° 0'57	2♑56	25° 3	1°21	7°42	29°31	14°12	5° 9	8°13	7°15	10°31	10°46	8°57	19°21	F 18
S 19	20 16 13	2°58'24	17°21	24°30	2°33	8°22	29°31	14°18	5° 7	8°15	7°16	10°30	10°43	9° 4	19°19	S 19
S 20	20 20 9	3°55'53	2♒ 5	24° 3	3°45	9° 2	29°D31	14°24	5° 5	8°16	7°18	10°30	10°39	9°11	19°18	S 20
M21	20 24 6	4°53'22	17° 1	23°40	4°58	9°42	29°31	14°30	5° 3	8°18	7°19	10°D30	10°36	9°17	19°16	M21
T 22	20 28 2	5°50'53	2♓ 1	23°24	6°10	10°21	29°31	14°36	5° 1	8°19	7°20	10°30	10°33	9°24	19°14	T 22
W23	20 31 59	6°48'25	16°56	23°13	7°23	11° 1	29°32	14°42	4°59	8°20	7°22	10°30	10°30	9°31	19°12	W23
T 24	20 35 55	7°45'59	1♈39	23°D10	8°35	11°40	29°32	14°48	4°58	8°22	7°23	10°31	10°27	9°37	19°10	T 24
F 25	20 39 52	8°43'34	16° 6	23°13	9°47	12°20	29°33	14°53	4°56	8°23	7°25	10°31	10°23	9°44	19° 9	F 25
S 26	20 43 48	9°41'10	0♉12	23°23	10°59	12°59	29°34	14°59	4°54	8°24	7°26	10°31	10°20	9°51	19° 7	S 26
S 27	20 47 45	10°38'48	13°57	23°41	12°12	13°38	29°35	15° 5	4°52	8°26	7°28	10°31	10°17	9°57	19° 5	S 27
M28	20 51 42	11°36'28	27°20	24° 5	13°24	14°17	29°37	15°10	4°50	8°27	7°29	10°31	10°14	10° 4	19° 3	M28
T 29	20 55 38	12°34'09	10♊24	24°37	14°36	14°56	29°38	15°15	4°48	8°28	7°31	10°31	10°11	10°11	19° 0	T 29
W30	20 59 35	13°31'53	23°10	25°17	15°48	15°35	29°40	15°21	4°47	8°29	7°32	10°31	10° 8	10°17	18°58	W30
T 31	21 3 31	14♌29'37	5♋42	26♋ 3	17♍ 0	16♊14	29♏42	15♊26	4♑45	8♊30	7♎34	10♌32	10♌ 4	10♍24	18♓56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n36	15n29	4s56	16n 1	3s17	19n10	1n37	18n54	0s29	19s36	0n40	20n57	1s25	23s46	0s21	20n13	1s30	12n54	17n 6	17n37	17n21	11n 0	0s 5	4n22
W 2	22 29	18 7	4 25	15 50	3 30	18 49	1 37	19 5	0 28	19 35	0 39	20 58	1 25	23 46	0 22	20 13	1 30	12 53	17 6	17 38	17 22	10 58	0 5	4 22
T 3	22 22	19 49	3 40	15 40	3 43	18 28	1 37	19 15	0 28	19 35	0 39	20 59	1 25	23 46	0 22	20 13	1 30	12 53	17 5	17 39	17 23	10 57	0 5	4 22
F 4	22 14	20 29	2 46	15 32	3 55	18 7	1 36	19 25	0 27	19 35	0 39	21 0	1 25	23 46	0 22	20 13	1 30	12 52	17 5	17 40	17 24	10 55	0 5	4 22
S 5	22 6	20 8	1 45	15 26	4 7	17 45	1 36	19 35	0 26	19 34	0 39	21 1	1 25	23 46	0 22	20 14	1 30	12 51	17 4	17 40	17 25	10 53	0 6	4 23
S 6	21 58	18 51	0 39	15 22	4 17	17 23	1 36	19 44	0 25	19 34	0 38	21 2	1 25	23 47	0 22	20 14	1 30	12 50	17 3	17 41	17 26	10 51	0 6	4 23
M 7	21 49	16 43	0n27	15 20	4 27	17 0	1 35	19 54	0 25	19 34	0 38	21 2	1 26	23 47	0 22	20 14	1 30	12 49	17 3	17 41	17 27	10 50	0 6	4 23
T 8	21 39	13 54	1 32	15 19	4 35	16 37	1 35	20 3	0 24	19 33	0 38	21 3	1 26	23 47	0 22	20 14	1 30	12 48	17 2	17 41	17 28	10 48	0 6	4 23
W 9	21 30	10 32	2 32	15 21	4 42	16 13	1 34	20 12	0 23	19 33	0 38	21 4	1 26	23 47	0 22	20 15	1 30	12 48	17 2	17 40	17 28	10 46	0 7	4 23
T 10	21 20	6 46	3 26	15 24	4 47	15 49	1 33	20 21	0 22	19 33	0 38	21 5	1 26	23 47	0 22	20 15	1 30	12 47	17 1	17 40	17 29	10 44	0 7	4 23
F 11	21 10	2 44	4 11	15 30	4 51	15 24	1 33	20 30	0 21	19 33	0 37	21 6	1 26	23 47	0 22	20 15	1 30	12 46	17 1	17 39	17 30	10 43	0 8	4 23
S 12	20 59	1s26	4 45	15 37	4 53	14 59	1 32	20 38	0 21	19 33	0 37	21 6	1 26	23 47	0 22	20 15	1 30	12 45	17 0	17 39	17 31	10 41	0 8	4 24
S 13	20 48	5 37	5 8	15 45	4 53	14 34	1 31	20 46	0 20	19 33	0 37	21 7	1 26	23 47	0 22	20 16	1 30	12 44	17 0	17 39	17 32	10 39	0 8	4 24
M14	20 37	9 39	5 17	15 56	4 51	14 8	1 30	20 55	0 19	19 32	0 37	21 8	1 26	23 47	0 22	20 16	1 30	12 43	16 59	17 39	17 33	10 37	0 9	4 24
T 15	20 25	13 22	5 11	16 7	4 48	13 42	1 29	21 3	0 18	19 32	0 36	21 9	1 26	23 47	0 22	20 16	1 30	12 42	16 59	17 39	17 34	10 35	0 9	4 24
W16	20 13	16 33	4 48	16 20	4 43	13 16	1 28	21 10	0 18	19 33	0 36	21 9	1 26	23 47	0 22	20 16	1 30	12 41	16 58	17 40	17 35	10 34	0 10	4 24
T 17	20 0	18 56	4 9	16 34	4 36	12 49	1 27	21 18	0 17	19 33	0 36	21 10	1 26	23 48	0 22	20 16	1 31	12 40	16 58	17 40	17 35	10 32	0 10	4 24
F 18	19 47	20 16	3 14	16 49	4 28	12 22	1 25	21 25	0 16	19 33	0 36	21 11	1 26	23 48	0 22	20 17	1 31	12 39	16 57	17 40	17 36	10 30	0 11	4 24
S 19	19 34	20 20	2 5	17 5	4 18	11 55	1 24	21 33	0 15	19 33	0 36	21 11	1 26	23 48	0 22	20 17	1 31	12 38	16 57	17 41	17 37	10 28	0 11	4 25
S 20	19 21	19 1	0 47	17 21	4 6	11 27	1 23	21 40	0 14	19 33	0 35	21 12	1 26	23 48	0 22	20 17	1 31	12 38	16 56	17 41	17 38	10 26	0 12	4 25
M21	19 7	16 22	0s36	17 37	3 54	10 59	1 21	21 46	0 13	19 33	0 35	21 13	1 26	23 48	0 22	20 17	1 31	12 37	16 56	17 41	17 39	10 25	0 12	4 25
T 22	18 53	12 37	1 57	17 53	3 40	10 31	1 19	21 53	0 13	19 34	0 35	21 13	1 26	23 48	0 22	20 17	1 31	12 36	16 55	17 41	17 40	10 23	0 13	4 25
W23	18 39	8 5	3 9	18 10	3 25	10 2	1 18	22 0	0 12	19 34	0 35	21 14	1 26	23 48	0 22	20 18	1 31	12 35	16 55	17 41	17 41	10 21	0 14	4 25
T 24	18 24	3 8	4 8	18 25	3 10	9 34	1 16	22 6	0 11	19 34	0 34	21 14	1 26	23 48	0 22	20 18	1 31	12 34	16 54	17 40	17 42	10 19	0 14	4 25
F 25	18 9	1n54	4 49	18 41	2 54	9 5	1 14	22 12	0 10	19 35	0 34	21 15	1 26	23 48	0 22	20 18	1 31	12 33	16 54	17 40	17 42	10 17	0 15	4 25
S 26	17 54	6 42	5 13	18 55	2 37	8 35	1 12	22 18	0 9	19 35	0 34	21 16	1 26	23 48	0 22	20 18	1 31	12 32	16 53	17 40	17 43	10 15	0 16	4 25
S 27	17 38	11 2	5 17	19 9	2 20	8 6	1 10	22 24	0 8	19 36	0 34	21 16	1 26	23 48	0 22	20 18	1 31	12 31	16 53	17 40	17 44	10 14	0 16	4 25
M28	17 22	14 42	5 4	19 21	2 3	7 36	1 8	22 29	0 7	19 36	0 34	21 17	1 26	23 48	0 22	20 18	1 31	12 30	16 52	17 40	17 45	10 12	0 17	4 26
T 29	17 6	17 33	4 36	19 33	1 46	7 6	1 6	22 34	0 7	19 37	0 33	21 17	1 26	23 48	0 22	20 19	1 31	12 29	16 52	17 40	17 46	10 10	0 18	4 26
W30	16 50	19 28	3 54	19 42	1 29	6 36	1 4	22 40	0 6	19 37	0 33	21 18	1 26	23 48	0 22	20 19	1 31	12 28	16 52	17 40	17 47	10 8	0 18	4 26
T 31	16n33	20n23	3s 2	19n50	1s13	6n 6	1n 2	22n45	0s 5	19s38	0n33	21n18	1s26	23s49	0s22	20n19	1s31	12n27	16n51	17n40	17n48	10n 6	0s19	4n26

Julian Day Number = 2172688.5, Delta T = 12m10s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'36, Lahiri = 13°12'37 Julian Calendar 1 July 1236 == Greg. Calendar 8 July 1236

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1236
geocentric

AUGUST 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 7 28	15♌27'23	18♋ 0	26♋56	18♍12	16♊53	29♏44	15♊31	4°R43	8♊32	7♎35	10♌32	10♌ 1	10♍31	18°R54	F 1
S 2	21 11 24	16°25'11	0♌ 8	27°56	19°24	17°31	29°47	15°37	4♉42	8°33	7°37	10°33	9°58	10°37	18♓52	S 2
S 3	21 15 21	17°23'00	12° 8	29° 3	20°36	18°10	29°49	15°42	4°40	8°34	7°39	10°R33	9°55	10°44	18°49	S 3
M 4	21 19 17	18°20'51	24° 2	0♌15	21°48	18°48	29°52	15°47	4°39	8°35	7°40	10°32	9°52	10°51	18°47	M 4
T 5	21 23 14	19°18'43	5♍52	1°34	23° 0	19°27	29°55	15°51	4°37	8°36	7°42	10°32	9°49	10°57	18°45	T 5
W 6	21 27 11	20°16'37	17°40	2°58	24°12	20° 5	29°58	15°56	4°36	8°37	7°44	10°31	9°45	11° 4	18°43	W 6
T 7	21 31 7	21°14'32	29°29	4°27	25°24	20°43	0♐ 1	16° 1	4°34	8°38	7°46	10°29	9°42	11°11	18°40	T 7
F 8	21 35 4	22°12'29	11♎21	6° 1	26°36	21°21	0° 5	16° 6	4°33	8°39	7°48	10°28	9°39	11°17	18°38	F 8
S 9	21 39 0	23°10'26	23°20	7°39	27°47	21°59	0° 8	16°10	4°32	8°39	7°49	10°26	9°36	11°24	18°35	S 9
S 10	21 42 57	24° 8'26	5♏30	9°20	28°59	22°37	0°12	16°15	4°30	8°40	7°51	10°25	9°33	11°31	18°33	S 10
M11	21 46 53	25° 6'26	17°54	11° 5	0♎11	23°14	0°16	16°19	4°29	8°41	7°53	10°24	9°29	11°37	18°30	M11
T 12	21 50 50	26° 4'29	0♐37	12°53	1°22	23°52	0°20	16°24	4°28	8°42	7°55	10°D24	9°26	11°44	18°28	T 12
W13	21 54 46	27° 2'32	13°41	14°43	2°34	24°29	0°24	16°28	4°27	8°43	7°57	10°24	9°23	11°51	18°25	W13
T 14	21 58 43	28° 0'37	27°11	16°36	3°46	25° 7	0°29	16°32	4°26	8°43	7°59	10°26	9°20	11°57	18°23	T 14
F 15	22 2 40	28°58'44	11♑ 8	18°29	4°57	25°44	0°33	16°36	4°24	8°44	8° 1	10°27	9°17	12° 4	18°20	F 15
S 16	22 6 36	29°56'52	25°30	20°24	6° 9	26°21	0°38	16°40	4°23	8°45	8° 3	10°28	9°14	12°11	18°18	S 16
S 17	22 10 33	0♍55'01	10♒17	22°19	7°20	26°58	0°43	16°44	4°22	8°45	8° 5	10°R28	9°10	12°17	18°15	S 17
M18	22 14 29	1°53'12	25°21	24°15	8°31	27°35	0°48	16°48	4°22	8°46	8° 7	10°28	9° 7	12°24	18°12	M18
T 19	22 18 26	2°51'25	10♓34	26°11	9°43	28°12	0°53	16°51	4°21	8°46	8° 9	10°26	9° 4	12°31	18°10	T 19
W20	22 22 22	3°49'40	25°46	28° 7	10°54	28°49	0°59	16°55	4°20	8°47	8°11	10°24	9° 1	12°37	18° 7	W20
T 21	22 26 19	4°47'56	10♈48	0♍ 3	12° 5	29°25	1° 4	16°58	4°19	8°47	8°13	10°21	8°58	12°44	18° 4	T 21
F 22	22 30 15	5°46'15	25°31	1°58	13°16	0♋ 2	1°10	17° 2	4°18	8°48	8°15	10°17	8°55	12°51	18° 1	F 22
S 23	22 34 12	6°44'36	9♉50	3°53	14°27	0°38	1°16	17° 5	4°17	8°48	8°17	10°14	8°51	12°57	17°59	S 23
S 24	22 38 9	7°42'59	23°42	5°47	15°38	1°14	1°22	17° 8	4°17	8°49	8°19	10°12	8°48	13° 4	17°56	S 24
M25	22 42 5	8°41'24	7♊ 7	7°40	16°49	1°50	1°28	17°12	4°16	8°49	8°21	10°D12	8°45	13°11	17°53	M25
T 26	22 46 2	9°39'51	20° 7	9°33	18° 0	2°26	1°34	17°15	4°16	8°49	8°23	10°12	8°42	13°17	17°51	T 26
W27	22 49 58	10°38'21	2♋45	11°24	19°11	3° 2	1°41	17°18	4°15	8°50	8°25	10°13	8°39	13°24	17°48	W27
T 28	22 53 55	11°36'53	15° 6	13°15	20°22	3°38	1°47	17°20	4°15	8°50	8°28	10°15	8°35	13°31	17°45	T 28
F 29	22 57 51	12°35'27	27°14	15° 5	21°33	4°13	1°54	17°23	4°14	8°50	8°30	10°17	8°32	13°37	17°42	F 29
S 30	23 1 48	13°34'03	9♌12	16°53	22°44	4°49	2° 1	17°26	4°14	8°50	8°32	10°R17	8°29	13°44	17°39	S 30
S 31	23 5 44	14♍32'41	21♌ 4	18♍41	23♎54	5♋24	2♐ 8	17♊28	4♉14	8♊51	8♎34	10♌17	8♌26	13♍51	17♓37	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n16	20n18	2s 2	19n56	0s56	5n36	1n 0	22n49	0s 4	19s39	0n33	21n19	1s26	23s49	0s22	20n19	1s31	12n26	16n51	17n40	17n48	10n 4	0s20	4n26
S 2	15 59	19 16	0 58	20 0	0 40	5 5	0 57	22 54	0 3	19 39	0 33	21 19	1 26	23 49	0 22	20 19	1 31	12 25	16 50	17 40	17 49	10 3	0 21	4 26
S 3	15 41	17 22	0n 9	20 2	0 25	4 35	0 55	22 58	0 2	19 40	0 32	21 20	1 27	23 49	0 21	20 19	1 31	12 24	16 50	17 40	17 50	10 1	0 22	4 26
M 4	15 23	14 44	1 14	20 1	0 10	4 4	0 52	23 3	0 1	19 41	0 32	21 20	1 27	23 49	0 21	20 19	1 31	12 22	16 49	17 40	17 51	9 59	0 22	4 26
T 5	15 5	11 30	2 16	19 57	0n 4	3 33	0 50	23 7	0 0	19 42	0 32	21 21	1 27	23 49	0 21	20 19	1 31	12 21	16 49	17 40	17 52	9 57	0 23	4 26
W 6	14 47	7 50	3 12	19 51	0 17	3 2	0 47	23 11	0n 1	19 43	0 32	21 21	1 27	23 49	0 21	20 20	1 31	12 20	16 49	17 40	17 53	9 55	0 24	4 26
T 7	14 29	3 52	3 59	19 42	0 30	2 31	0 45	23 14	0 2	19 43	0 31	21 22	1 27	23 49	0 21	20 20	1 31	12 19	16 48	17 41	17 54	9 53	0 25	4 26
F 8	14 10	0s16	4 37	19 31	0 41	2 0	0 42	23 18	0 3	19 44	0 31	21 22	1 27	23 49	0 21	20 20	1 31	12 18	16 48	17 41	17 54	9 52	0 26	4 26
S 9	13 51	4 25	5 3	19 16	0 52	1 29	0 39	23 21	0 3	19 45	0 31	21 22	1 27	23 49	0 21	20 20	1 31	12 17	16 47	17 42	17 55	9 50	0 27	4 26
S 10	13 32	8 27	5 15	18 59	1 2	0 57	0 36	23 24	0 4	19 46	0 31	21 23	1 27	23 49	0 21	20 20	1 31	12 16	16 47	17 42	17 56	9 48	0 28	4 26
M11	13 12	12 13	5 14	18 39	1 10	0 26	0 33	23 27	0 5	19 47	0 31	21 23	1 27	23 49	0 21	20 20	1 32	12 15	16 47	17 42	17 57	9 46	0 29	4 26
T 12	12 53	15 31	4 57	18 16	1 18	0s 5	0 30	23 30	0 6	19 48	0 30	21 24	1 27	23 49	0 21	20 20	1 32	12 14	16 46	17 42	17 58	9 44	0 30	4 27
W13	12 33	18 9	4 25	17 50	1 25	0 37	0 27	23 33	0 7	19 50	0 30	21 24	1 27	23 49	0 21	20 20	1 32	12 13	16 46	17 42	17 59	9 42	0 31	4 27
T 14	12 13	19 53	3 37	17 22	1 31	1 8	0 24	23 35	0 8	19 51	0 30	21 24	1 27	23 49	0 21	20 20	1 32	12 12	16 46	17 42	18 0	9 40	0 32	4 27
F 15	11 53	20 29	2 35	16 52	1 36	1 39	0 21	23 37	0 9	19 52	0 30	21 25	1 27	23 49	0 21	20 20	1 32	12 11	16 45	17 41	18 0	9 38	0 33	4 27
S 16	11 32	19 47	1 22	16 20	1 40	2 11	0 18	23 39	0 10	19 53	0 30	21 25	1 27	23 49	0 21	20 20	1 32	12 10	16 45	17 41	18 1	9 37	0 34	4 27
S 17	11 12	17 43	0 1	15 45	1 43	2 42	0 15	23 41	0 11	19 54	0 29	21 25	1 27	23 49	0 21	20 20	1 32	12 9	16 45	17 41	18 2	9 35	0 35	4 27
M18	10 51	14 24	1s21	15 9	1 45	3 13	0 11	23 43	0 12	19 55	0 29	21 26	1 28	23 49	0 21	20 20	1 32	12 8	16 44	17 41	18 3	9 33	0 36	4 27
T 19	10 30	10 5	2 38	14 31	1 47	3 44	0 8	23 45	0 13	19 57	0 29	21 26	1 28	23 49	0 21	20 21	1 32	12 7	16 44	17 42	18 4	9 31	0 37	4 27
W20	10 9	5 7	3 44	13 51	1 48	4 15	0 5	23 46	0 14	19 58	0 29	21 26	1 28	23 49	0 21	20 21	1 32	12 6	16 44	17 42	18 5	9 29	0 38	4 27
T 21	9 47	0n 6	4 34	13 11	1 48	4 47	0 1	23 47	0 15	19 59	0 29	21 26	1 28	23 49	0 21	20 21	1 32	12 4	16 43	17 43	18 5	9 27	0 39	4 27
F 22	9 26	5 11	5 4	12 29	1 47	5 18	0s 2	23 48	0 16	20 1	0 28	21 27	1 28	23 49	0 21	20 21	1 32	12 3	16 43	17 44	18 6	9 25	0 40	4 27
S 23	9 4	9 51	5 14	11 46	1 46	5 48	0 6	23 49	0 17	20 2	0 28	21 27	1 28	23 49	0 21	20 21	1 32	12 2	16 43	17 45	18 7	9 23	0 41	4 27
S 24	8 43	13 50	5 6	11 2	1 44	6 19	0 9	23 50	0 18	20 4	0 28	21 27	1 28	23 49	0 21	20 21	1 32	12 1	16 43	17 45	18 8	9 21	0 42	4 27
M25	8 21	16 59	4 40	10 18	1 42	6 50	0 13	23 51	0 19	20 5	0 28	21 27	1 28	23 49	0 21	20 21	1 32	12 0	16 42	17 46	18 9	9 19	0 43	4 27
T 26	7 59	19 9	4 1	9 33	1 39	7 20	0 16	23 51	0 20	20 6	0 28	21 28	1 28	23 49	0 21	20 21	1 32	11 59	16 42	17 46	18 10	9 18	0 44	4 27
W27	7 36	20 19	3 11	8 47	1 36	7 51	0 20	23 52	0 22	20 8	0 28	21 28	1 28	23 49	0 21	20 21	1 32	11 58	16 42	17 45	18 10	9 16	0 45	4 27
T 28	7 14	20 28	2 14	8 1	1 32	8 21	0 23	23 52	0 23	20 9	0 27	21 28	1 28	23 49	0 21	20 21	1 32	11 57	16 42	17 45	18 11	9 14	0 46	4 27
F 29	6 52	19 38	1 11	7 15	1 28	8 51	0 27	23 52	0 24	20 11	0 27	21 28	1 28	23 49	0 21	20 21	1 32	11 56	16 41	17 44	18 12	9 12	0 47	4 27
S 30	6 29	17 56	0 6	6 28	1 23	9 21	0 31	23 52	0 25	20 13	0 27	21 28	1 28	23 49	0 21	20 21	1 32	11 55	16 41	17 44	18 13	9 10	0 49	4 26
S 31	6n 7	15n28	0n59	5n42	1n18	9s51	0s34	23n51	0n26	20s14	0n27	21n28	1s29	23s49	0s21	20n21	1s32	11n54	16n41	17n44	18n14	9n 8	0s50	4n26

Julian Day Number = 2172719.5, Delta T = 12m10s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'40, Lahiri = 13°12'41 Julian Calendar 1 Aug. 1236 == Greg. Calendar 8 Aug. 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

SEPTEMBER 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 9 41	15♍31'21	2♍53	20♍27	25♎ 5	5♋59	2♐15	17♊31	4°R13	8♊51	8♎37	10°R14	8♌23	13♍57	17°R34	M 1
T 2	23 13 38	16°30'04	14°41	22°13	26°16	6°34	2°23	17°33	4♑13	8°51	8°39	10♌10	8°20	14° 4	17♓31	T 2
W 3	23 17 34	17°28'48	26°30	23°57	27°26	7° 9	2°30	17°35	4°13	8°51	8°41	10° 5	8°16	14°11	17°28	W 3
T 4	23 21 31	18°27'34	8♎23	25°41	28°37	7°44	2°38	17°37	4°13	8°R51	8°43	9°58	8°13	14°17	17°25	T 4
F 5	23 25 27	19°26'22	20°21	27°24	29°47	8°19	2°46	17°39	4°13	8°51	8°46	9°50	8°10	14°24	17°23	F 5
S 6	23 29 24	20°25'12	2♏26	29° 5	0♏57	8°53	2°54	17°41	4°D13	8°51	8°48	9°43	8° 7	14°31	17°20	S 6
S 7	23 33 20	21°24'04	14°40	0♎46	2° 8	9°27	3° 2	17°43	4°13	8°51	8°50	9°37	8° 4	14°37	17°17	S 7
M 8	23 37 17	22°22'58	27° 7	2°26	3°18	10° 1	3°10	17°45	4°13	8°51	8°52	9°32	8° 0	14°44	17°14	M 8
T 9	23 41 13	23°21'54	9♐48	4° 4	4°28	10°35	3°18	17°46	4°13	8°50	8°55	9°29	7°57	14°51	17°11	T 9
W10	23 45 10	24°20'51	22°47	5°42	5°38	11° 9	3°26	17°48	4°13	8°50	8°57	9°D28	7°54	14°57	17° 9	W10
T 11	23 49 6	25°19'51	6♑ 8	7°19	6°48	11°43	3°35	17°49	4°13	8°50	8°59	9°29	7°51	15° 4	17° 6	T 11
F 12	23 53 3	26°18'52	19°53	8°56	7°58	12°16	3°44	17°50	4°14	8°50	9° 2	9°30	7°48	15°11	17° 3	F 12
S 13	23 57 0	27°17'55	4♒ 3	10°31	9° 8	12°50	3°52	17°52	4°14	8°50	9° 4	9°R31	7°45	15°17	17° 0	S 13
S 14	0 0 56	28°16'59	18°38	12° 5	10°17	13°23	4° 1	17°53	4°14	8°49	9° 6	9°31	7°41	15°24	16°58	S 14
M15	0 4 53	29°16'06	3♓34	13°39	11°27	13°56	4°10	17°54	4°15	8°49	9° 9	9°28	7°38	15°31	16°55	M15
T 16	0 8 49	0♎15'14	18°44	15°12	12°37	14°29	4°19	17°54	4°15	8°49	9°11	9°24	7°35	15°37	16°52	T 16
W17	0 12 46	1°14'24	3♈59	16°44	13°46	15° 2	4°29	17°55	4°16	8°48	9°14	9°18	7°32	15°44	16°50	W17
T 18	0 16 42	2°13'36	19° 9	18°15	14°55	15°34	4°38	17°56	4°16	8°48	9°16	9°10	7°29	15°51	16°47	T 18
F 19	0 20 39	3°12'51	4♉ 3	19°45	16° 5	16° 7	4°48	17°56	4°17	8°47	9°18	9° 1	7°26	15°58	16°44	F 19
S 20	0 24 35	4°12'08	18°33	21°15	17°14	16°39	4°57	17°56	4°18	8°47	9°21	8°53	7°22	16° 4	16°42	S 20
S 21	0 28 32	5°11'27	2♊34	22°44	18°23	17°11	5° 7	17°57	4°18	8°46	9°23	8°47	7°19	16°11	16°39	S 21
M22	0 32 29	6°10'49	16° 6	24°12	19°32	17°43	5°17	17°57	4°19	8°46	9°25	8°43	7°16	16°18	16°36	M22
T 23	0 36 25	7°10'13	29° 9	25°39	20°41	18°14	5°27	17°R57	4°20	8°45	9°28	8°41	7°13	16°24	16°34	T 23
W24	0 40 22	8° 9'39	11♋47	27° 6	21°50	18°46	5°37	17°57	4°21	8°44	9°30	8°D41	7°10	16°31	16°31	W24
T 25	0 44 18	9° 9'08	24° 5	28°31	22°58	19°17	5°47	17°57	4°22	8°44	9°33	8°41	7° 6	16°38	16°29	T 25
F 26	0 48 15	10° 8'39	6♌ 9	29°56	24° 7	19°48	5°57	17°56	4°23	8°43	9°35	8°R42	7° 3	16°44	16°26	F 26
S 27	0 52 11	11° 8'12	18° 2	1♏20	25°15	20°19	6° 7	17°56	4°24	8°42	9°37	8°42	7° 0	16°51	16°24	S 27
S 28	0 56 8	12° 7'48	29°51	2°43	26°24	20°50	6°18	17°55	4°25	8°42	9°40	8°39	6°57	16°58	16°21	S 28
M29	1 0 4	13° 7'26	11♍38	4° 5	27°32	21°20	6°28	17°55	4°26	8°41	9°42	8°34	6°54	17° 4	16°19	M29
T 30	1 4 1	14♎ 7'05	23♍28	5♏26	28♏40	21♋50	6♐39	17♊54	4♑27	8♊40	9♎45	8♌27	6♌51	17♍11	16♓17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	5n44	12n21	2n 0	4n55	1n13	10s20	0s38	23n51	0n27	20s16	0n27	21n29	1s29	23s49	0s21	20n21	1s32	11n53	16n41	17n45	18n15	9n 6	0s51	4n26	M 1
T 2	5 21	8 46	2 56	4 8	1 8	10 50	0 42	23 50	0 28	20 17	0 26	21 29	1 29	23 49	0 21	20 21	1 33	11 52	16 41	17 46	18 15	9 4	0 52	4 26	T 2
W 3	4 58	4 50	3 45	3 22	1 2	11 19	0 46	23 50	0 29	20 19	0 26	21 29	1 29	23 49	0 21	20 21	1 33	11 51	16 40	17 48	18 16	9 2	0 53	4 26	W 3
T 4	4 35	0 42	4 24	2 35	0 56	11 48	0 49	23 49	0 30	20 21	0 26	21 29	1 29	23 49	0 21	20 20	1 33	11 50	16 40	17 49	18 17	9 0	0 54	4 26	T 4
F 5	4 12	3s29	4 52	1 49	0 50	12 16	0 53	23 48	0 31	20 22	0 26	21 29	1 29	23 49	0 21	20 20	1 33	11 49	16 40	17 51	18 18	8 58	0 55	4 26	F 5
S 6	3 49	7 34	5 7	1 2	0 44	12 45	0 57	23 47	0 33	20 24	0 26	21 29	1 29	23 49	0 21	20 20	1 33	11 48	16 40	17 53	18 19	8 56	0 57	4 26	S 6
S 7	3 25	11 24	5 8	0 16	0 38	13 13	1 1	23 45	0 34	20 26	0 26	21 29	1 29	23 49	0 21	20 20	1 33	11 47	16 40	17 55	18 20	8 54	0 58	4 26	S 7
M 8	3 2	14 48	4 55	0s30	0 31	13 40	1 5	23 44	0 35	20 28	0 25	21 29	1 29	23 49	0 21	20 20	1 33	11 46	16 39	17 56	18 20	8 53	0 59	4 26	M 8
T 9	2 39	17 36	4 27	1 15	0 24	14 8	1 8	23 43	0 36	20 29	0 25	21 29	1 29	23 49	0 21	20 20	1 33	11 45	16 39	17 57	18 21	8 51	1 0	4 26	T 9
W10	2 15	19 35	3 46	2 0	0 18	14 35	1 12	23 41	0 37	20 31	0 25	21 29	1 29	23 49	0 21	20 20	1 33	11 43	16 39	17 57	18 22	8 49	1 1	4 26	W10
T 11	1 52	20 33	2 51	2 45	0 11	15 2	1 16	23 39	0 38	20 33	0 25	21 29	1 29	23 49	0 21	20 20	1 33	11 42	16 39	17 57	18 23	8 47	1 2	4 26	T 11
F 12	1 28	20 20	1 44	3 30	0 4	15 29	1 20	23 37	0 40	20 35	0 25	21 30	1 30	23 49	0 21	20 20	1 33	11 41	16 39	17 57	18 24	8 45	1 3	4 26	F 12
S 13	1 5	18 51	0 29	4 14	0s 3	15 55	1 23	23 35	0 41	20 37	0 25	21 30	1 30	23 49	0 21	20 20	1 33	11 40	16 39	17 57	18 24	8 43	1 5	4 25	S 13
S 14	0 41	16 5	0s49	4 57	0 10	16 21	1 27	23 33	0 42	20 38	0 24	21 30	1 30	23 49	0 21	20 20	1 33	11 39	16 39	17 57	18 25	8 41	1 6	4 25	S 14
M15	0 18	12 12	2 6	5 41	0 18	16 46	1 31	23 31	0 43	20 40	0 24	21 30	1 30	23 49	0 21	20 20	1 33	11 38	16 39	17 57	18 26	8 39	1 7	4 25	M15
T 16	0s 6	7 28	3 15	6 23	0 25	17 11	1 35	23 29	0 44	20 42	0 24	21 30	1 30	23 49	0 21	20 20	1 33	11 38	16 39	17 58	18 27	8 37	1 8	4 25	T 16
W17	0 30	2 14	4 10	7 5	0 32	17 36	1 38	23 26	0 46	20 44	0 24	21 30	1 30	23 49	0 21	20 19	1 33	11 37	16 39	18 0	18 28	8 35	1 9	4 25	W17
T 18	0 53	3n 5	4 48	7 47	0 39	18 0	1 42	23 24	0 47	20 46	0 24	21 29	1 30	23 49	0 21	20 19	1 33	11 36	16 38	18 2	18 29	8 33	1 10	4 25	T 18
F 19	1 17	8 8	5 5	8 28	0 46	18 24	1 46	23 21	0 48	20 48	0 24	21 29	1 30	23 49	0 21	20 19	1 33	11 35	16 38	18 4	18 29	8 31	1 12	4 25	F 19
S 20	1 41	12 35	5 2	9 9	0 53	18 48	1 49	23 19	0 49	20 50	0 23	21 29	1 30	23 49	0 21	20 19	1 33	11 34	16 38	18 7	18 30	8 29	1 13	4 25	S 20
S 21	2 4	16 10	4 40	9 49	1 0	19 11	1 53	23 16	0 51	20 51	0 23	21 29	1 30	23 49	0 21	20 19	1 33	11 33	16 38	18 8	18 31	8 27	1 14	4 24	S 21
M22	2 28	18 46	4 4	10 28	1 7	19 33	1 57	23 13	0 52	20 53	0 23	21 29	1 30	23 49	0 21	20 19	1 33	11 32	16 38	18 9	18 32	8 25	1 15	4 24	M22
T 23	2 51	20 17	3 16	11 6	1 14	19 56	2 0	23 10	0 53	20 55	0 23	21 29	1 30	23 49	0 21	20 19	1 33	11 31	16 38	18 10	18 33	8 23	1 16	4 24	T 23
W24	3 15	20 42	2 19	11 44	1 21	20 17	2 4	23 7	0 55	20 57	0 23	21 29	1 31	23 49	0 21	20 19	1 33	11 30	16 38	18 10	18 33	8 21	1 17	4 24	W24
T 25	3 39	20 7	1 17	12 22	1 28	20 38	2 7	23 4	0 56	20 59	0 23	21 29	1 31	23 49	0 21	20 18	1 34	11 29	16 38	18 10	18 34	8 19	1 18	4 24	T 25
F 26	4 2	18 35	0 14	12 58	1 35	20 59	2 11	23 1	0 57	21 1	0 23	21 29	1 31	23 49	0 21	20 18	1 34	11 28	16 38	18 10	18 35	8 17	1 20	4 24	F 26
S 27	4 25	16 16	0n50	13 34	1 41	21 19	2 14	22 58	0 59	21 3	0 22	21 29	1 31	23 49	0 21	20 18	1 34	11 27	16 38	18 10	18 36	8 15	1 21	4 23	S 27
S 28	4 49	13 18	1 50	14 9	1 47	21 39	2 17	22 54	1 0	21 5	0 22	21 29	1 31	23 49	0 21	20 18	1 34	11 26	16 38	18 10	18 37	8 13	1 22	4 23	S 28
M29	5 12	9 47	2 46	14 43	1 54	21 58	2 21	22 51	1 1	21 7	0 22	21 29	1 31	23 49	0 21	20 18	1 34	11 25	16 38	18 12	18 37	8 11	1 23	4 23	M29
T 30	5s35	5n53	3n35	15s16	2s 0	22s17	2s24	22n47	1n 3	21s 9	0n22	21n28	1s31	23s49	0s21	20n18	1s34	11n24	16n38	18n14	18n38	8n 9	1s24	4n23	T 30

Julian Day Number = 2172750.5, Delta T = 12m10s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'45, Lahiri = 13°12'45 Julian Calendar 1 Sept. 1236 == Greg. Calendar 8 Sept. 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

OCTOBER 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 7 57	15♎ 6'47	5♎22	6♏45	29♏48	22♋20	6♐50	17°R53	4♑29	8°R39	9♎47	8°R16	6♌47	17♍18	16°R14	W 1
T 2	1 11 54	16° 6'32	17°22	8° 4	0♐56	22°50	7° 1	17♊52	4°30	8♊38	9°49	8♌ 4	6°44	17°24	16♓12	T 2
F 3	1 15 51	17° 6'18	29°30	9°22	2° 4	23°19	7°12	17°51	4°31	8°37	9°52	7°51	6°41	17°31	16°10	F 3
S 4	1 19 47	18° 6'06	11♏47	10°38	3°11	23°49	7°23	17°50	4°33	8°36	9°54	7°38	6°38	17°38	16° 7	S 4
S 5	1 23 44	19° 5'56	24°13	11°53	4°19	24°18	7°34	17°49	4°34	8°35	9°56	7°27	6°35	17°44	16° 5	S 5
M 6	1 27 40	20° 5'48	6♐49	13° 6	5°26	24°47	7°45	17°47	4°36	8°34	9°59	7°17	6°32	17°51	16° 3	M 6
T 7	1 31 37	21° 5'42	19°37	14°18	6°33	25°15	7°56	17°46	4°37	8°33	10° 1	7°11	6°28	17°58	16° 1	T 7
W 8	1 35 33	22° 5'37	2♑39	15°27	7°40	25°44	8° 7	17°44	4°39	8°32	10° 4	7° 7	6°25	18° 4	15°59	W 8
T 9	1 39 30	23° 5'35	15°57	16°35	8°47	26°12	8°19	17°42	4°40	8°31	10° 6	7° 5	6°22	18°11	15°56	T 9
F 10	1 43 26	24° 5'33	29°33	17°41	9°54	26°40	8°30	17°40	4°42	8°30	10° 8	7° 5	6°19	18°18	15°54	F 10
S 11	1 47 23	25° 5'34	13♒30	18°43	11° 0	27° 7	8°42	17°38	4°44	8°29	10°11	7° 5	6°16	18°24	15°52	S 11
S 12	1 51 20	26° 5'36	27°47	19°44	12° 7	27°34	8°54	17°36	4°46	8°28	10°13	7° 4	6°12	18°31	15°50	S 12
M13	1 55 16	27° 5'40	12♓24	20°41	13°13	28° 1	9° 5	17°34	4°47	8°27	10°15	7° 1	6° 9	18°38	15°48	M13
T 14	1 59 13	28° 5'45	27°16	21°34	14°19	28°28	9°17	17°32	4°49	8°26	10°18	6°54	6° 6	18°44	15°47	T 14
W15	2 3 9	29° 5'52	12♈16	22°24	15°25	28°55	9°29	17°30	4°51	8°24	10°20	6°45	6° 3	18°51	15°45	W15
T 16	2 7 6	0♏ 6'01	27°16	23°10	16°30	29°21	9°41	17°27	4°53	8°23	10°22	6°34	6° 0	18°58	15°43	T 16
F 17	2 11 2	1° 6'11	12♉ 5	23°51	17°35	29°47	9°53	17°25	4°55	8°22	10°24	6°22	5°57	19° 4	15°41	F 17
S 18	2 14 59	2° 6'24	26°35	24°26	18°41	0♌12	10° 5	17°22	4°57	8°21	10°27	6°11	5°53	19°11	15°39	S 18
S 19	2 18 55	3° 6'38	10♊40	24°56	19°45	0°38	10°17	17°19	4°59	8°19	10°29	6° 1	5°50	19°18	15°38	S 19
M20	2 22 52	4° 6'55	24°17	25°19	20°50	1° 3	10°30	17°16	5° 1	8°18	10°31	5°54	5°47	19°25	15°36	M20
T 21	2 26 49	5° 7'13	7♋25	25°35	21°55	1°27	10°42	17°13	5° 4	8°17	10°33	5°50	5°44	19°31	15°35	T 21
W22	2 30 45	6° 7'34	20° 7	25°R43	22°59	1°52	10°54	17°10	5° 6	8°15	10°36	5°48	5°41	19°38	15°33	W22
T 23	2 34 42	7° 7'57	2♌28	25°42	24° 3	2°16	11° 7	17° 7	5° 8	8°14	10°38	5°47	5°37	19°45	15°32	T 23
F 24	2 38 38	8° 8'21	14°33	25°32	25° 6	2°39	11°19	17° 4	5°10	8°12	10°40	5°47	5°34	19°51	15°30	F 24
S 25	2 42 35	9° 8'47	26°27	25°13	26°10	3° 3	11°32	17° 1	5°13	8°11	10°42	5°46	5°31	19°58	15°29	S 25
S 26	2 46 31	10° 9'16	8♍15	24°43	27°13	3°26	11°45	16°57	5°15	8°10	10°44	5°44	5°28	20° 5	15°27	S 26
M27	2 50 28	11° 9'46	20° 4	24° 3	28°16	3°48	11°57	16°54	5°17	8° 8	10°46	5°38	5°25	20°11	15°26	M27
T 28	2 54 24	12°10'18	1♎56	23°13	29°18	4°11	12°10	16°50	5°20	8° 7	10°49	5°30	5°22	20°18	15°25	T 28
W29	2 58 21	13°10'52	13°55	22°13	0♑20	4°32	12°23	16°47	5°22	8° 5	10°51	5°19	5°18	20°25	15°24	W29
T 30	3 2 18	14°11'27	26° 5	21° 5	1°22	4°54	12°36	16°43	5°25	8° 4	10°53	5° 6	5°15	20°31	15°23	T 30
F 31	3 6 14	15♏12'04	8♏25	19♏51	2♑24	5♌15	12♐48	16♊39	5♑27	8♊ 2	10♎55	4♌52	5♌12	20♍38	15♓22	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s59	1n45	4n14	15s48	2s 6	22s35	2s27	22n44	1n 4	21s11	0n22	21n28	1s31	23s49	0s21	20n18	1s34	11n24	16n38	18n16	18n39	8n 7	1s25	4n23
T 2	6 22	2s30	4 42	16 19	2 11	22 53	2 30	22 40	1 5	21 13	0 22	21 28	1 31	23 49	0 21	20 17	1 34	11 23	16 39	18 19	18 40	8 5	1 26	4 23
F 3	6 45	6 41	4 58	16 50	2 17	23 10	2 33	22 37	1 7	21 15	0 21	21 28	1 31	23 49	0 21	20 17	1 34	11 22	16 39	18 23	18 41	8 3	1 27	4 22
S 4	7 8	10 40	5 1	17 19	2 22	23 26	2 36	22 33	1 8	21 17	0 21	21 28	1 31	23 48	0 21	20 17	1 34	11 21	16 39	18 26	18 41	8 1	1 28	4 22
S 5	7 30	14 14	4 49	17 47	2 27	23 42	2 39	22 29	1 10	21 19	0 21	21 28	1 31	23 48	0 21	20 17	1 34	11 20	16 39	18 29	18 42	7 59	1 29	4 22
M 6	7 53	17 13	4 23	18 14	2 31	23 57	2 42	22 26	1 11	21 21	0 21	21 27	1 31	23 48	0 21	20 17	1 34	11 19	16 39	18 32	18 43	7 57	1 30	4 22
T 7	8 16	19 25	3 43	18 40	2 36	24 12	2 45	22 22	1 13	21 23	0 21	21 27	1 31	23 48	0 21	20 16	1 34	11 19	16 39	18 33	18 44	7 55	1 31	4 22
W 8	8 38	20 39	2 52	19 5	2 40	24 26	2 47	22 18	1 14	21 25	0 21	21 27	1 32	23 48	0 21	20 16	1 34	11 18	16 39	18 34	18 45	7 53	1 32	4 21
T 9	9 1	20 46	1 50	19 28	2 43	24 39	2 50	22 14	1 16	21 27	0 21	21 27	1 32	23 48	0 21	20 16	1 34	11 17	16 39	18 35	18 45	7 51	1 33	4 21
F 10	9 23	19 41	0 40	19 50	2 46	24 52	2 53	22 10	1 17	21 28	0 21	21 27	1 32	23 48	0 21	20 16	1 34	11 16	16 39	18 35	18 46	7 49	1 34	4 21
S 11	9 45	17 23	0s34	20 10	2 49	25 4	2 55	22 6	1 19	21 30	0 20	21 26	1 32	23 48	0 21	20 16	1 34	11 15	16 40	18 35	18 47	7 47	1 35	4 21
S 12	10 7	13 58	1 47	20 29	2 51	25 16	2 57	22 3	1 20	21 32	0 20	21 26	1 32	23 48	0 21	20 15	1 34	11 15	16 40	18 35	18 48	7 45	1 36	4 20
M13	10 29	9 38	2 55	20 46	2 52	25 27	3 0	21 59	1 22	21 34	0 20	21 26	1 32	23 48	0 21	20 15	1 34	11 14	16 40	18 36	18 49	7 43	1 37	4 20
T 14	10 50	4 38	3 52	21 1	2 53	25 37	3 2	21 55	1 23	21 36	0 20	21 26	1 32	23 48	0 21	20 15	1 34	11 13	16 40	18 37	18 49	7 41	1 38	4 20
W15	11 12	0n40	4 34	21 14	2 53	25 47	3 4	21 51	1 25	21 38	0 20	21 25	1 32	23 48	0 21	20 15	1 34	11 13	16 40	18 40	18 50	7 39	1 39	4 20
T 16	11 33	5 56	4 57	21 26	2 53	25 56	3 6	21 47	1 27	21 40	0 20	21 25	1 32	23 48	0 21	20 15	1 34	11 12	16 40	18 42	18 51	7 37	1 40	4 19
F 17	11 54	10 47	4 59	21 34	2 51	26 4	3 8	21 43	1 28	21 42	0 20	21 25	1 32	23 48	0 21	20 14	1 34	11 11	16 41	18 45	18 52	7 35	1 41	4 19
S 18	12 15	14 54	4 42	21 41	2 49	26 12	3 9	21 39	1 30	21 44	0 19	21 24	1 32	23 47	0 21	20 14	1 34	11 10	16 41	18 48	18 53	7 33	1 42	4 19
S 19	12 36	18 3	4 8	21 45	2 45	26 19	3 11	21 35	1 32	21 46	0 19	21 24	1 32	23 47	0 21	20 14	1 34	11 10	16 41	18 51	18 53	7 31	1 43	4 19
M20	12 57	20 4	3 21	21 46	2 41	26 25	3 13	21 31	1 33	21 48	0 19	21 24	1 32	23 47	0 21	20 14	1 34	11 9	16 41	18 52	18 54	7 29	1 44	4 19
T 21	13 17	20 56	2 24	21 44	2 35	26 31	3 14	21 27	1 35	21 50	0 19	21 23	1 32	23 47	0 21	20 13	1 34	11 8	16 41	18 53	18 55	7 26	1 44	4 18
W22	13 37	20 40	1 22	21 39	2 28	26 36	3 15	21 24	1 37	21 51	0 19	21 23	1 32	23 47	0 21	20 13	1 34	11 8	16 42	18 54	18 56	7 24	1 45	4 18
T 23	13 57	19 24	0 18	21 31	2 19	26 40	3 16	21 20	1 38	21 53	0 19	21 23	1 32	23 47	0 21	20 13	1 34	11 7	16 42	18 54	18 56	7 22	1 46	4 18
F 24	14 17	17 16	0n46	21 18	2 9	26 44	3 18	21 16	1 40	21 55	0 19	21 23	1 32	23 47	0 21	20 13	1 34	11 7	16 42	18 54	18 57	7 20	1 47	4 17
S 25	14 36	14 26	1 47	21 2	1 57	26 47	3 18	21 12	1 42	21 57	0 19	21 22	1 32	23 47	0 21	20 12	1 34	11 6	16 42	18 54	18 58	7 18	1 48	4 17
S 26	14 55	11 1	2 43	20 42	1 43	26 50	3 19	21 9	1 44	21 59	0 18	21 22	1 32	23 47	0 21	20 12	1 34	11 5	16 43	18 55	18 59	7 16	1 48	4 17
M27	15 14	7 11	3 31	20 17	1 28	26 51	3 20	21 5	1 45	22 1	0 18	21 21	1 32	23 47	0 21	20 12	1 34	11 5	16 43	18 56	19 0	7 14	1 49	4 17
T 28	15 33	3 4	4 11	19 48	1 12	26 52	3 20	21 2	1 47	22 3	0 18	21 21	1 32	23 46	0 21	20 12	1 35	11 4	16 43	18 58	19 0	7 12	1 50	4 16
W29	15 52	1s13	4 40	19 16	0 54	26 53	3 21	20 58	1 49	22 4	0 18	21 21	1 32	23 46	0 21	20 11	1 35	11 4	16 44	19 1	19 1	7 10	1 51	4 16
T 30	16 10	5 30	4 56	18 39	0 34	26 53	3 21	20 55	1 51	22 6	0 18	21 20	1 32	23 46	0 21	20 11	1 35	11 3	16 44	19 4	19 2	7 8	1 51	4 16
F 31	16s28	9s38	4n59	18s 0	0s14	26s52	3s21	20n51	1n53	22s 8	0n18	21n20	1s32	23s46	0s21	20n11	1s35	11n 3	16n44	19n 8	19n 3	7n 6	1s52	4n16

Julian Day Number = 2172780.5, Delta T = 12m10s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'49, Lahiri = 13°12'49 Julian Calendar 1 Oct. 1236 == Greg. Calendar 8 Oct. 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

NOVEMBER 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 10 11	16♏12'43	20♏57	18°R32	3♉25	5♌36	13♐ 1	16°R35	5♉30	8°R 1	10♎57	4°R38	5♌ 9	20♍45	15°R21	S 1
S 2	3 14 7	17°13'23	3♐41	17♏10	4°26	5°56	13°14	16♊31	5°33	7♊59	10°59	4♌25	5° 6	20°51	15♓20	S 2
M 3	3 18 4	18°14'05	16°35	15°49	5°26	6°16	13°27	16°27	5°35	7°57	11° 1	4°15	5° 3	20°58	15°19	M 3
T 4	3 22 0	19°14'48	29°41	14°31	6°26	6°35	13°41	16°23	5°38	7°56	11° 3	4° 8	4°59	21° 5	15°18	T 4
W 5	3 25 57	20°15'32	12♑57	13°19	7°26	6°54	13°54	16°19	5°41	7°54	11° 5	4° 3	4°56	21°11	15°17	W 5
T 6	3 29 53	21°16'17	26°24	12°15	8°25	7°12	14° 7	16°15	5°43	7°53	11° 7	4° 2	4°53	21°18	15°16	T 6
F 7	3 33 50	22°17'03	10♒ 3	11°21	9°24	7°30	14°20	16°10	5°46	7°51	11° 9	4°D 2	4°50	21°25	15°16	F 7
S 8	3 37 47	23°17'51	23°55	10°37	10°23	7°48	14°33	16° 6	5°49	7°49	11°11	4°R 2	4°47	21°32	15°15	S 8
S 9	3 41 43	24°18'39	8♓ 0	10° 5	11°20	8° 5	14°47	16° 2	5°52	7°48	11°13	4° 1	4°43	21°38	15°14	S 9
M10	3 45 40	25°19'28	22°18	9°44	12°18	8°22	15° 0	15°57	5°55	7°46	11°15	3°58	4°40	21°45	15°14	M10
T 11	3 49 36	26°20'18	6♈46	9°D35	13°15	8°38	15°13	15°53	5°58	7°44	11°16	3°53	4°37	21°52	15°13	T 11
W12	3 53 33	27°21'09	21°20	9°36	14°11	8°53	15°27	15°48	6° 1	7°43	11°18	3°45	4°34	21°58	15°13	W12
T 13	3 57 29	28°22'01	5♉55	9°48	15° 7	9° 9	15°40	15°44	6° 4	7°41	11°20	3°35	4°31	22° 5	15°13	T 13
F 14	4 1 26	29°22'54	20°23	10° 9	16° 2	9°23	15°53	15°39	6° 7	7°39	11°22	3°25	4°28	22°12	15°12	F 14
S 15	4 5 22	0♐23'48	4♊37	10°39	16°56	9°37	16° 7	15°34	6°10	7°38	11°24	3°14	4°24	22°18	15°12	S 15
S 16	4 9 19	1°24'44	18°32	11°16	17°50	9°51	16°20	15°30	6°13	7°36	11°25	3° 5	4°21	22°25	15°12	S 16
M17	4 13 16	2°25'40	2♋ 4	12° 1	18°43	10° 4	16°34	15°25	6°16	7°34	11°27	2°59	4°18	22°32	15°12	M17
T 18	4 17 12	3°26'38	15°11	12°51	19°36	10°16	16°48	15°20	6°19	7°33	11°29	2°55	4°15	22°38	15°12	T 18
W19	4 21 9	4°27'37	27°56	13°46	20°28	10°28	17° 1	15°15	6°22	7°31	11°30	2°D53	4°12	22°45	15°D12	W19
T 20	4 25 5	5°28'36	10♌19	14°46	21°19	10°39	17°15	15°10	6°25	7°29	11°32	2°53	4° 9	22°52	15°12	T 20
F 21	4 29 2	6°29'37	22°27	15°51	22° 9	10°49	17°28	15° 5	6°29	7°28	11°33	2°54	4° 5	22°59	15°12	F 21
S 22	4 32 58	7°30'40	4♍23	16°58	22°59	10°59	17°42	15° 1	6°32	7°26	11°35	2°R55	4° 2	23° 5	15°12	S 22
S 23	4 36 55	8°31'43	16°14	18° 9	23°47	11° 9	17°56	14°56	6°35	7°24	11°37	2°55	3°59	23°12	15°12	S 23
M24	4 40 51	9°32'47	28° 4	19°22	24°35	11°17	18° 9	14°51	6°38	7°22	11°38	2°52	3°56	23°19	15°12	M24
T 25	4 44 48	10°33'52	9♎58	20°38	25°22	11°25	18°23	14°46	6°42	7°21	11°40	2°48	3°53	23°25	15°13	T 25
W26	4 48 45	11°34'58	22° 1	21°56	26° 8	11°33	18°37	14°41	6°45	7°19	11°41	2°42	3°49	23°32	15°13	W26
T 27	4 52 41	12°36'05	4♏17	23°15	26°53	11°39	18°51	14°36	6°48	7°17	11°42	2°33	3°46	23°39	15°14	T 27
F 28	4 56 38	13°37'13	16°47	24°36	27°37	11°45	19° 4	14°31	6°52	7°16	11°44	2°24	3°43	23°45	15°14	F 28
S 29	5 0 34	14°38'22	29°33	25°58	28°20	11°51	19°18	14°26	6°55	7°14	11°45	2°15	3°40	23°52	15°15	S 29
S 30	5 4 31	15♐39'31	12♐35	27♏22	29♉ 2	11♌55	19♐32	14♊21	6♉58	7♊12	11♎47	2♌ 6	3♌37	23♍59	15♓15	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s45	13s26	4n48	17s18	0n 6	26s50	3s21	20n48	1n55	22s10	0n18	21n20	1s32	23s46	0s21	20n11	1s35	11n 2	16n44	19n11	19n 3	7n 4	1s53	4n15
S 2	17 3	16 41	4 23	16 36	0 27	26 48	3 20	20 45	1 57	22 11	0 18	21 19	1 32	23 46	0 21	20 10	1 35	11 2	16 45	19 14	19 4	7 2	1 53	4 15
M 3	17 20	19 10	3 43	15 53	0 47	26 45	3 20	20 42	1 59	22 13	0 18	21 19	1 32	23 46	0 21	20 10	1 35	11 1	16 45	19 16	19 5	7 0	1 54	4 15
T 4	17 37	20 41	2 51	15 12	1 6	26 42	3 19	20 39	2 0	22 15	0 17	21 18	1 32	23 46	0 21	20 10	1 35	11 1	16 45	19 18	19 6	6 57	1 54	4 15
W 5	17 53	21 5	1 49	14 34	1 24	26 38	3 19	20 36	2 2	22 16	0 17	21 18	1 32	23 46	0 21	20 10	1 35	11 0	16 46	19 19	19 7	6 55	1 55	4 14
T 6	18 9	20 18	0 40	13 59	1 40	26 33	3 18	20 33	2 4	22 18	0 17	21 18	1 32	23 45	0 21	20 9	1 35	11 0	16 46	19 20	19 7	6 53	1 55	4 14
F 7	18 25	18 19	0s32	13 29	1 54	26 28	3 16	20 30	2 6	22 20	0 17	21 17	1 32	23 45	0 21	20 9	1 35	11 0	16 47	19 20	19 8	6 51	1 56	4 14
S 8	18 40	15 14	1 44	13 4	2 6	26 22	3 15	20 28	2 9	22 21	0 17	21 17	1 32	23 45	0 21	20 9	1 35	10 59	16 47	19 20	19 9	6 49	1 57	4 13
S 9	18 56	11 14	2 50	12 45	2 16	26 16	3 14	20 25	2 11	22 23	0 17	21 16	1 32	23 45	0 21	20 9	1 35	10 59	16 47	19 20	19 10	6 47	1 57	4 13
M10	19 10	6 32	3 47	12 31	2 24	26 9	3 12	20 23	2 13	22 25	0 17	21 16	1 32	23 45	0 21	20 8	1 35	10 59	16 48	19 20	19 10	6 45	1 57	4 13
T 11	19 25	1 26	4 30	12 23	2 29	26 2	3 10	20 21	2 15	22 26	0 17	21 15	1 32	23 45	0 21	20 8	1 35	10 58	16 48	19 22	19 11	6 43	1 58	4 13
W12	19 39	3n47	4 56	12 19	2 33	25 54	3 8	20 19	2 17	22 28	0 17	21 15	1 32	23 45	0 21	20 8	1 35	10 58	16 49	19 24	19 12	6 41	1 58	4 12
T 13	19 53	8 47	5 3	12 21	2 36	25 45	3 6	20 17	2 19	22 29	0 16	21 14	1 32	23 45	0 21	20 7	1 35	10 58	16 49	19 26	19 13	6 39	1 59	4 12
F 14	20 6	13 15	4 50	12 27	2 37	25 36	3 3	20 15	2 21	22 31	0 16	21 14	1 32	23 44	0 21	20 7	1 35	10 57	16 49	19 28	19 13	6 36	1 59	4 12
S 15	20 19	16 54	4 19	12 36	2 36	25 26	3 0	20 13	2 23	22 32	0 16	21 14	1 32	23 44	0 21	20 7	1 35	10 57	16 50	19 31	19 14	6 34	2 0	4 11
S 16	20 32	19 30	3 34	12 49	2 35	25 16	2 57	20 11	2 26	22 34	0 16	21 13	1 32	23 44	0 21	20 7	1 35	10 57	16 50	19 33	19 15	6 32	2 0	4 11
M17	20 44	20 54	2 37	13 5	2 32	25 6	2 54	20 10	2 28	22 35	0 16	21 13	1 32	23 44	0 21	20 6	1 35	10 56	16 51	19 34	19 16	6 30	2 0	4 11
T 18	20 56	21 7	1 33	13 24	2 28	24 55	2 51	20 9	2 30	22 37	0 16	21 12	1 32	23 44	0 21	20 6	1 35	10 56	16 51	19 35	19 16	6 28	2 0	4 10
W19	21 7	20 14	0 27	13 45	2 24	24 43	2 47	20 8	2 32	22 38	0 16	21 12	1 32	23 44	0 21	20 6	1 35	10 56	16 52	19 36	19 17	6 26	2 1	4 10
T 20	21 18	18 22	0n40	14 7	2 19	24 32	2 43	20 7	2 35	22 40	0 16	21 11	1 32	23 43	0 21	20 6	1 35	10 56	16 52	19 36	19 18	6 24	2 1	4 10
F 21	21 29	15 42	1 43	14 31	2 14	24 19	2 39	20 6	2 37	22 41	0 16	21 11	1 32	23 43	0 21	20 5	1 35	10 56	16 52	19 35	19 19	6 22	2 1	4 10
S 22	21 39	12 26	2 41	14 56	2 8	24 7	2 35	20 6	2 39	22 43	0 15	21 10	1 32	23 43	0 21	20 5	1 35	10 55	16 53	19 35	19 19	6 19	2 1	4 9
S 23	21 49	8 42	3 31	15 21	2 2	23 54	2 30	20 5	2 42	22 44	0 15	21 10	1 32	23 43	0 21	20 5	1 35	10 55	16 53	19 35	19 20	6 17	2 2	4 9
M24	21 58	4 38	4 12	15 48	1 55	23 40	2 25	20 5	2 44	22 45	0 15	21 9	1 32	23 43	0 21	20 4	1 35	10 55	16 54	19 36	19 21	6 15	2 2	4 9
T 25	22 7	0 22	4 43	16 15	1 48	23 27	2 20	20 5	2 47	22 47	0 15	21 9	1 31	23 43	0 21	20 4	1 35	10 55	16 54	19 37	19 22	6 13	2 2	4 8
W26	22 16	3s57	5 1	16 42	1 41	23 13	2 14	20 6	2 49	22 48	0 15	21 8	1 31	23 42	0 21	20 4	1 35	10 55	16 55	19 38	19 22	6 11	2 2	4 8
T 27	22 24	8 11	5 7	17 9	1 34	22 58	2 9	20 6	2 51	22 49	0 15	21 8	1 31	23 42	0 21	20 4	1 35	10 55	16 55	19 40	19 23	6 9	2 2	4 8
F 28	22 32	12 10	4 57	17 36	1 26	22 44	2 3	20 7	2 54	22 50	0 15	21 7	1 31	23 42	0 21	20 3	1 35	10 55	16 56	19 42	19 24	6 7	2 2	4 8
S 29	22 39	15 41	4 33	18 3	1 19	22 29	1 56	20 8	2 56	22 52	0 15	21 7	1 31	23 42	0 21	20 3	1 35	10 55	16 56	19 44	19 25	6 5	2 2	4 7
S 30	22s46	18s32	3n54	18s30	1n11	22s14	1s50	20n 9	2n59	22s53	0n15	21n 6	1s31	23s42	0s21	20n 3	1s35	10n55	16n57	19n46	19n25	6n 2	2s 2	4n 7

Julian Day Number = 2172811.5, Delta T = 12m10s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'53, Lahiri = 13°12'54 Julian Calendar 1 Nov. 1236 == Greg. Calendar 8 Nov. 1236

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ASTRODIENST EPHEMERIS for the year 1236
geocentric

DECEMBER 1236 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 8 27	16♐40'41	25♐52	28♏46	29♑43	11♌59	19♐46	14°R16	7♑ 2	7°R11	11♎48	1°R59	3♌34	24♍ 5	15♓16	M 1
T 2	5 12 24	17°41'52	9♑22	0♐12	0♒22	12° 2	20° 0	14♊11	7° 5	7♊ 9	11°49	1♌55	3°30	24°12	15°17	T 2
W 3	5 16 20	18°43'02	23° 3	1°38	1° 0	12° 4	20°13	14° 6	7° 9	7° 7	11°50	1°53	3°27	24°19	15°17	W 3
T 4	5 20 17	19°44'13	6♒52	3° 5	1°37	12° 6	20°27	14° 1	7°12	7° 6	11°52	1°D52	3°24	24°26	15°18	T 4
F 5	5 24 14	20°45'25	20°48	4°32	2°13	12° 7	20°41	13°56	7°15	7° 4	11°53	1°53	3°21	24°32	15°19	F 5
S 6	5 28 10	21°46'36	4♓50	6° 0	2°47	12°R 7	20°55	13°51	7°19	7° 2	11°54	1°55	3°18	24°39	15°20	S 6
S 7	5 32 7	22°47'47	18°56	7°29	3°20	12° 6	21° 9	13°46	7°22	7° 1	11°55	1°R56	3°15	24°46	15°21	S 7
M 8	5 36 3	23°48'58	3♈ 5	8°58	3°51	12° 5	21°22	13°41	7°26	6°59	11°56	1°55	3°11	24°52	15°22	M 8
T 9	5 40 0	24°50'09	17°16	10°27	4°21	12° 2	21°36	13°36	7°29	6°57	11°57	1°53	3° 8	24°59	15°23	T 9
W10	5 43 56	25°51'19	1♉25	11°57	4°49	11°59	21°50	13°32	7°33	6°56	11°58	1°50	3° 5	25° 6	15°25	W10
T 11	5 47 53	26°52'30	15°31	13°27	5°15	11°55	22° 4	13°27	7°36	6°54	11°59	1°45	3° 2	25°12	15°26	T 11
F 12	5 51 49	27°53'41	29°29	14°58	5°39	11°50	22°18	13°22	7°40	6°53	12° 0	1°39	2°59	25°19	15°27	F 12
S 13	5 55 46	28°54'52	13♊16	16°29	6° 2	11°45	22°31	13°17	7°43	6°51	12° 1	1°34	2°55	25°26	15°28	S 13
S 14	5 59 43	29°56'02	26°48	18° 1	6°23	11°39	22°45	13°13	7°47	6°50	12° 2	1°29	2°52	25°32	15°30	S 14
M15	6 3 39	0♑57'13	10♋ 4	19°32	6°41	11°31	22°59	13° 8	7°51	6°48	12° 3	1°26	2°49	25°39	15°31	M15
T 16	6 7 36	1°58'23	23° 1	21° 5	6°58	11°23	23°13	13° 4	7°54	6°47	12° 3	1°24	2°46	25°46	15°33	T 16
W17	6 11 32	2°59'34	5♌39	22°37	7°12	11°15	23°26	12°59	7°58	6°45	12° 4	1°D24	2°43	25°53	15°34	W17
T 18	6 15 29	4° 0'45	18° 2	24°10	7°25	11° 5	23°40	12°55	8° 1	6°44	12° 5	1°25	2°40	25°59	15°36	T 18
F 19	6 19 25	5° 1'55	0♍10	25°43	7°35	10°55	23°54	12°50	8° 5	6°42	12° 6	1°26	2°36	26° 6	15°38	F 19
S 20	6 23 22	6° 3'06	12° 8	27°17	7°42	10°43	24° 7	12°46	8° 8	6°41	12° 6	1°28	2°33	26°13	15°39	S 20
S 21	6 27 19	7° 4'16	24° 0	28°51	7°48	10°31	24°21	12°41	8°12	6°39	12° 7	1°30	2°30	26°19	15°41	S 21
M22	6 31 15	8° 5'27	5♎51	0♑26	7°51	10°19	24°35	12°37	8°15	6°38	12° 8	1°R30	2°27	26°26	15°43	M22
T 23	6 35 12	9° 6'37	17°45	2° 1	7°R52	10° 5	24°48	12°33	8°19	6°36	12° 8	1°30	2°24	26°33	15°45	T 23
W24	6 39 8	10° 7'48	29°49	3°36	7°50	9°51	25° 2	12°29	8°23	6°35	12° 9	1°29	2°21	26°39	15°47	W24
T 25	6 43 5	11° 8'58	12♏ 5	5°12	7°45	9°35	25°16	12°25	8°26	6°34	12° 9	1°26	2°17	26°46	15°49	T 25
F 26	6 47 1	12°10'08	24°39	6°48	7°39	9°20	25°29	12°21	8°30	6°32	12°10	1°24	2°14	26°53	15°51	F 26
S 27	6 50 58	13°11'18	7♐32	8°25	7°29	9° 3	25°43	12°17	8°33	6°31	12°10	1°21	2°11	27° 0	15°53	S 27
S 28	6 54 54	14°12'28	20°45	10° 2	7°17	8°46	25°56	12°13	8°37	6°30	12°10	1°18	2° 8	27° 6	15°55	S 28
M29	6 58 51	15°13'37	4♑19	11°40	7° 3	8°28	26°10	12° 9	8°40	6°29	12°11	1°16	2° 5	27°13	15°57	M29
T 30	7 2 48	16°14'46	18°12	13°19	6°46	8° 9	26°23	12° 6	8°44	6°27	12°11	1°15	2° 1	27°20	15°59	T 30
W31	7 6 44	17♑15'54	2♒20	14♑58	6♒27	7♌50	26♐36	12♊ 2	8♑48	6♊26	12♎11	1°D14	1♌58	27♍26	16♓ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s52	20s26	3n 2	18s56	1n 4	21s58	1s43	20n10	3n 1	22s54	0n15	21n 6	1s31	23s42	0s21	20n 3	1s35	10n55	16n57	19n48	19n26	6n 0	2s 2	4n 7
T 2	22 58	21 14	1 59	19 22	0 56	21 43	1 36	20 12	3 4	22 55	0 14	21 6	1 31	23 41	0 21	20 2	1 35	10 55	16 58	19 49	19 27	5 58	2 2	4 6
W 3	23 3	20 47	0 48	19 47	0 48	21 27	1 28	20 13	3 6	22 56	0 14	21 5	1 31	23 41	0 21	20 2	1 35	10 55	16 58	19 49	19 28	5 56	2 2	4 6
T 4	23 8	19 4	0s27	20 11	0 41	21 11	1 20	20 15	3 9	22 57	0 14	21 5	1 31	23 41	0 21	20 2	1 34	10 55	16 59	19 49	19 28	5 54	2 2	4 6
F 5	23 13	16 13	1 41	20 35	0 33	20 55	1 12	20 17	3 11	22 58	0 14	21 4	1 30	23 41	0 21	20 2	1 34	10 55	16 59	19 49	19 29	5 52	2 2	4 6
S 6	23 17	12 24	2 49	20 58	0 26	20 39	1 4	20 20	3 14	22 59	0 14	21 4	1 30	23 41	0 21	20 1	1 34	10 55	17 0	19 49	19 30	5 49	2 2	4 5
S 7	23 20	7 53	3 48	21 21	0 18	20 23	0 55	20 23	3 16	23 0	0 14	21 3	1 30	23 40	0 21	20 1	1 34	10 55	17 1	19 49	19 31	5 47	2 2	4 5
M 8	23 24	2 56	4 33	21 42	0 11	20 7	0 46	20 25	3 19	23 1	0 14	21 3	1 30	23 40	0 21	20 1	1 34	10 55	17 1	19 49	19 31	5 45	2 2	4 5
T 9	23 26	2n10	5 1	22 3	0 4	19 50	0 36	20 29	3 22	23 2	0 14	21 2	1 30	23 40	0 21	20 1	1 34	10 55	17 2	19 49	19 32	5 43	2 2	4 4
W10	23 28	7 9	5 11	22 22	0s 4	19 34	0 27	20 32	3 24	23 3	0 14	21 2	1 30	23 40	0 21	20 0	1 34	10 55	17 2	19 50	19 33	5 41	2 1	4 4
T 11	23 30	11 44	5 2	22 41	0 11	19 18	0 16	20 35	3 27	23 4	0 14	21 1	1 30	23 40	0 21	20 0	1 34	10 55	17 3	19 51	19 34	5 39	2 1	4 4
F 12	23 31	15 38	4 35	22 59	0 18	19 2	0 6	20 39	3 29	23 5	0 14	21 1	1 30	23 40	0 21	20 0	1 34	10 55	17 3	19 52	19 34	5 36	2 1	4 4
S 13	23 32	18 38	3 53	23 15	0 25	18 46	0n 5	20 43	3 32	23 6	0 13	21 0	1 29	23 39	0 21	20 0	1 34	10 56	17 4	19 54	19 35	5 34	2 1	4 3
S 14	23 32	20 32	2 58	23 31	0 31	18 30	0 16	20 47	3 34	23 7	0 13	21 0	1 29	23 39	0 21	19 59	1 34	10 56	17 4	19 55	19 36	5 32	2 0	4 3
M15	23 32	21 15	1 54	23 45	0 38	18 14	0 28	20 52	3 37	23 8	0 13	21 0	1 29	23 39	0 21	19 59	1 34	10 56	17 5	19 55	19 37	5 30	2 0	4 3
T 16	23 31	20 49	0 46	23 58	0 44	17 58	0 40	20 57	3 39	23 9	0 13	20 59	1 29	23 39	0 21	19 59	1 34	10 56	17 6	19 56	19 37	5 28	2 0	4 2
W17	23 30	19 19	0n23	24 10	0 50	17 42	0 52	21 1	3 42	23 9	0 13	20 59	1 29	23 38	0 21	19 59	1 34	10 56	17 6	19 56	19 38	5 26	1 59	4 2
T 18	23 29	16 55	1 30	24 21	0 56	17 27	1 5	21 6	3 44	23 10	0 13	20 58	1 29	23 38	0 21	19 58	1 34	10 57	17 7	19 56	19 39	5 23	1 59	4 2
F 19	23 26	13 49	2 32	24 30	1 2	17 12	1 18	21 12	3 47	23 11	0 13	20 58	1 28	23 38	0 21	19 58	1 34	10 57	17 7	19 55	19 39	5 21	1 59	4 2
S 20	23 24	10 12	3 26	24 38	1 8	16 57	1 31	21 17	3 49	23 12	0 13	20 58	1 28	23 38	0 21	19 58	1 34	10 57	17 8	19 55	19 40	5 19	1 58	4 1
S 21	23 21	6 13	4 10	24 45	1 13	16 43	1 45	21 23	3 52	23 12	0 13	20 57	1 28	23 38	0 21	19 58	1 34	10 58	17 8	19 54	19 41	5 17	1 58	4 1
M22	23 17	2 1	4 44	24 51	1 19	16 28	1 59	21 29	3 54	23 13	0 13	20 57	1 28	23 37	0 21	19 58	1 34	10 58	17 9	19 54	19 42	5 15	1 57	4 1
T 23	23 13	2s17	5 6	24 55	1 24	16 14	2 13	21 35	3 56	23 14	0 13	20 57	1 28	23 37	0 21	19 57	1 34	10 58	17 10	19 54	19 42	5 12	1 57	4 1
W24	23 9	6 32	5 15	24 58	1 28	16 1	2 27	21 41	3 58	23 14	0 12	20 56	1 28	23 37	0 21	19 57	1 34	10 58	17 10	19 55	19 43	5 10	1 56	4 0
T 25	23 4	10 36	5 10	24 59	1 33	15 48	2 42	21 47	4 1	23 15	0 12	20 56	1 27	23 37	0 21	19 57	1 34	10 59	17 11	19 55	19 44	5 8	1 56	4 0
F 26	22 59	14 19	4 50	24 59	1 37	15 35	2 57	21 53	4 3	23 15	0 12	20 55	1 27	23 37	0 21	19 57	1 34	10 59	17 11	19 56	19 45	5 6	1 55	4 0
S 27	22 53	17 28	4 15	24 57	1 41	15 23	3 12	22 0	4 5	23 16	0 12	20 55	1 27	23 36	0 21	19 57	1 34	11 0	17 12	19 56	19 45	5 4	1 55	4 0
S 28	22 47	19 48	3 25	24 54	1 45	15 11	3 27	22 7	4 7	23 16	0 12	20 55	1 27	23 36	0 21	19 57	1 34	11 0	17 13	19 57	19 46	5 1	1 54	3 59
M29	22 40	21 5	2 23	24 49	1 48	15 0	3 42	22 13	4 9	23 17	0 12	20 55	1 27	23 36	0 21	19 56	1 34	11 0	17 13	19 58	19 47	4 59	1 54	3 59
T 30	22 33	21 7	1 12	24 43	1 51	14 50	3 57	22 20	4 11	23 17	0 12	20 54	1 27	23 36	0 21	19 56	1 34	11 1	17 14	19 58	19 47	4 57	1 53	3 59
W31	22s25	19s49	0s 6	24s35	1s54	14s40	4n12	22n27	4n13	23s18	0n12	20n54	1s26	23s35	0s21	19n56	1s34	11n 1	17n14	19n58	19n48	4n55	1s52	3n59

Julian Day Number = 2172841.5, Delta T = 12m09s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°05'57, Lahiri = 13°12'58 Julian Calendar 1 Dec. 1236 == Greg. Calendar 8 Dec. 1236

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

JANUARY 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 10 41	18♉17'01	16♒39	16♉37	6°R 6	7°R30	26♐50	11°R59	8♉51	6°R25	12♎12	1♌15	1♌55	27♍33	16♓ 3	T 1
F 2	7 14 37	19°18'07	1♓ 3	18°17	5♒42	7♌10	27° 3	11♊55	8°55	6♊24	12°12	1°16	1°52	27°40	16° 6	F 2
S 3	7 18 34	20°19'13	15°28	19°58	5°16	6°49	27°16	11°52	8°58	6°23	12°12	1°17	1°49	27°46	16° 8	S 3
S 4	7 22 30	21°20'17	29°51	21°39	4°48	6°27	27°30	11°48	9° 2	6°22	12°12	1°17	1°46	27°53	16°11	S 4
M 5	7 26 27	22°21'20	14♈ 6	23°21	4°18	6° 5	27°43	11°45	9° 5	6°20	12°12	1°18	1°42	28° 0	16°13	M 5
T 6	7 30 23	23°22'22	28°13	25° 3	3°47	5°43	27°56	11°42	9° 9	6°19	12°12	1°R18	1°39	28° 7	16°15	T 6
W 7	7 34 20	24°23'23	12♉ 9	26°46	3°14	5°21	28° 9	11°39	9°12	6°18	12°R12	1°18	1°36	28°13	16°18	W 7
T 8	7 38 17	25°24'23	25°53	28°29	2°39	4°58	28°22	11°36	9°16	6°17	12°12	1°17	1°33	28°20	16°21	T 8
F 9	7 42 13	26°25'21	9♊25	0♒13	2° 4	4°34	28°35	11°34	9°19	6°16	12°12	1°17	1°30	28°27	16°23	F 9
S 10	7 46 10	27°26'19	22°44	1°58	1°28	4°11	28°48	11°31	9°22	6°15	12°12	1°16	1°27	28°33	16°26	S 10
S 11	7 50 6	28°27'15	5♋49	3°43	0°51	3°47	29° 1	11°28	9°26	6°15	12°12	1°16	1°23	28°40	16°29	S 11
M12	7 54 3	29°28'10	18°41	5°29	0°14	3°23	29°14	11°26	9°29	6°14	12°12	1°15	1°20	28°47	16°31	M12
T 13	7 57 59	0♒29'04	1♌20	7°15	29♉36	2°59	29°27	11°23	9°33	6°13	12°11	1°D15	1°17	28°53	16°34	T 13
W14	8 1 56	1°29'57	13°47	9° 1	28°59	2°35	29°40	11°21	9°36	6°12	12°11	1°R15	1°14	29° 0	16°37	W14
T 15	8 5 52	2°30'48	26° 1	10°48	28°22	2°11	29°53	11°19	9°39	6°11	12°11	1°15	1°11	29° 7	16°40	T 15
F 16	8 9 49	3°31'39	8♍ 6	12°35	27°47	1°47	0♉ 5	11°17	9°43	6°10	12°11	1°15	1° 7	29°14	16°43	F 16
S 17	8 13 46	4°32'28	20° 3	14°21	27°12	1°24	0°18	11°15	9°46	6°10	12°10	1°15	1° 4	29°20	16°45	S 17
S 18	8 17 42	5°33'17	1♎55	16° 8	26°38	1° 0	0°30	11°13	9°49	6° 9	12°10	1°14	1° 1	29°27	16°48	S 18
M19	8 21 39	6°34'04	13°46	17°54	26° 5	0°36	0°43	11°11	9°53	6° 8	12°10	1°14	0°58	29°34	16°51	M19
T 20	8 25 35	7°34'50	25°40	19°40	25°35	0°13	0°55	11° 9	9°56	6° 8	12° 9	1°13	0°55	29°40	16°54	T 20
W21	8 29 32	8°35'36	7♏42	21°25	25° 6	29♋50	1° 8	11° 8	9°59	6° 7	12° 9	1°D13	0°52	29°47	16°57	W21
T 22	8 33 28	9°36'20	19°55	23° 9	24°38	29°27	1°20	11° 6	10° 2	6° 6	12° 8	1°13	0°48	29°54	17° 0	T 22
F 23	8 37 25	10°37'03	2♐26	24°52	24°13	29° 4	1°32	11° 5	10° 6	6° 6	12° 8	1°14	0°45	0♎ 0	17° 4	F 23
S 24	8 41 21	11°37'45	15°16	26°32	23°51	28°42	1°45	11° 4	10° 9	6° 5	12° 7	1°15	0°42	0° 7	17° 7	S 24
S 25	8 45 18	12°38'26	28°31	28°11	23°30	28°20	1°57	11° 3	10°12	6° 5	12° 6	1°16	0°39	0°14	17°10	S 25
M26	8 49 15	13°39'05	12♉11	29°46	23°12	27°59	2° 9	11° 2	10°15	6° 4	12° 6	1°17	0°36	0°21	17°13	M26
T 27	8 53 11	14°39'44	26°15	1♓19	22°56	27°38	2°21	11° 1	10°18	6° 4	12° 5	1°R17	0°33	0°27	17°16	T 27
W28	8 57 8	15°40'20	10♒42	2°47	22°43	27°18	2°33	11° 0	10°21	6° 4	12° 4	1°17	0°29	0°34	17°19	W28
T 29	9 1 4	16°40'56	25°25	4°11	22°32	26°58	2°45	10°59	10°24	6° 3	12° 4	1°16	0°26	0°41	17°23	T 29
F 30	9 5 1	17°41'29	10♓17	5°29	22°23	26°39	2°56	10°59	10°27	6° 3	12° 3	1°14	0°23	0°47	17°26	F 30
S 31	9 8 57	18♒42'01	25♓11	6♓42	22♉18	26♋21	3♉ 8	10♊58	10♉30	6♊ 3	12♎ 2	1♌12	0♌20	0♎54	17♓29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s17	17s15	1s24	24s26	1s57	14s30	4n28	22n34	4n14	23s18	0n12	20n54	1s26	23s35	0s21	19n56	1s34	11n 2	17n15	19n58	19n49	4n52	1s52	3n58
F 2	22 8	13 36	2 38	24 15	1 59	14 21	4 43	22 41	4 16	23 19	0 12	20 53	1 26	23 35	0 21	19 56	1 34	11 2	17 15	19 58	19 50	4 50	1 51	3 58
S 3	22 0	9 9	3 41	24 2	2 1	14 13	4 57	22 48	4 18	23 19	0 12	20 53	1 26	23 35	0 21	19 56	1 33	11 3	17 16	19 57	19 50	4 48	1 50	3 58
S 4	21 50	4 12	4 31	23 48	2 2	14 5	5 12	22 55	4 19	23 19	0 11	20 53	1 26	23 35	0 21	19 55	1 33	11 3	17 17	19 57	19 51	4 46	1 50	3 58
M 5	21 40	0n56	5 3	23 32	2 3	13 58	5 26	23 2	4 21	23 20	0 11	20 53	1 25	23 34	0 21	19 55	1 33	11 4	17 17	19 57	19 52	4 44	1 49	3 57
T 6	21 30	5 57	5 17	23 14	2 4	13 52	5 40	23 9	4 22	23 20	0 11	20 53	1 25	23 34	0 21	19 55	1 33	11 4	17 18	19 57	19 52	4 41	1 48	3 57
W 7	21 20	10 36	5 11	22 55	2 4	13 47	5 54	23 16	4 23	23 20	0 11	20 52	1 25	23 34	0 21	19 55	1 33	11 5	17 18	19 57	19 53	4 39	1 47	3 57
T 8	21 9	14 38	4 48	22 34	2 4	13 42	6 7	23 23	4 24	23 20	0 11	20 52	1 25	23 34	0 21	19 55	1 33	11 5	17 19	19 57	19 54	4 37	1 47	3 57
F 9	20 57	17 50	4 10	22 12	2 3	13 37	6 19	23 29	4 25	23 21	0 11	20 52	1 24	23 33	0 21	19 55	1 33	11 6	17 20	19 57	19 54	4 35	1 46	3 56
S 10	20 45	20 2	3 18	21 47	2 2	13 34	6 31	23 36	4 26	23 21	0 11	20 52	1 24	23 33	0 21	19 55	1 33	11 6	17 20	19 58	19 55	4 32	1 45	3 56
S 11	20 33	21 8	2 17	21 21	2 1	13 31	6 42	23 43	4 27	23 21	0 11	20 52	1 24	23 33	0 21	19 55	1 33	11 7	17 21	19 58	19 56	4 30	1 44	3 56
M12	20 21	21 5	1 9	20 53	1 58	13 28	6 52	23 49	4 28	23 21	0 11	20 52	1 24	23 33	0 21	19 54	1 33	11 7	17 21	19 58	19 57	4 28	1 43	3 56
T 13	20 8	19 57	0n 0	20 24	1 56	13 27	7 1	23 55	4 29	23 21	0 11	20 51	1 24	23 32	0 21	19 54	1 33	11 8	17 22	19 58	19 57	4 26	1 42	3 56
W14	19 54	17 52	1 9	19 53	1 52	13 26	7 10	24 2	4 29	23 22	0 11	20 51	1 23	23 32	0 21	19 54	1 33	11 9	17 22	19 58	19 58	4 23	1 41	3 55
T 15	19 41	14 59	2 13	19 20	1 49	13 25	7 18	24 8	4 30	23 22	0 11	20 51	1 23	23 32	0 21	19 54	1 33	11 9	17 23	19 58	19 59	4 21	1 41	3 55
F 16	19 27	11 31	3 11	18 46	1 44	13 25	7 25	24 13	4 30	23 22	0 10	20 51	1 23	23 32	0 21	19 54	1 33	11 10	17 23	19 58	19 59	4 19	1 40	3 55
S 17	19 12	7 37	3 59	18 10	1 39	13 26	7 30	24 19	4 30	23 22	0 10	20 51	1 23	23 32	0 21	19 54	1 33	11 11	17 24	19 58	20 0	4 17	1 39	3 55
S 18	18 58	3 28	4 37	17 33	1 33	13 27	7 36	24 24	4 30	23 22	0 10	20 51	1 23	23 31	0 21	19 54	1 33	11 11	17 25	19 58	20 1	4 14	1 38	3 55
M19	18 42	0s48	5 3	16 54	1 27	13 29	7 40	24 30	4 30	23 22	0 10	20 51	1 22	23 31	0 21	19 54	1 33	11 12	17 25	19 58	20 1	4 12	1 37	3 54
T 20	18 27	5 4	5 16	16 14	1 19	13 31	7 43	24 35	4 30	23 22	0 10	20 51	1 22	23 31	0 21	19 54	1 33	11 13	17 26	19 58	20 2	4 10	1 36	3 54
W21	18 11	9 10	5 15	15 33	1 12	13 34	7 46	24 40	4 30	23 22	0 10	20 51	1 22	23 31	0 21	19 54	1 33	11 13	17 26	19 58	20 3	4 8	1 35	3 54
T 22	17 55	12 58	5 1	14 51	1 3	13 37	7 47	24 44	4 29	23 22	0 10	20 51	1 22	23 30	0 21	19 54	1 33	11 14	17 27	19 58	20 4	4 5	1 34	3 54
F 23	17 39	16 18	4 31	14 8	0 53	13 40	7 48	24 49	4 29	23 22	0 10	20 51	1 21	23 30	0 21	19 54	1 32	11 15	17 27	19 58	20 4	4 3	1 33	3 54
S 24	17 22	18 56	3 48	13 24	0 43	13 44	7 48	24 53	4 28	23 22	0 10	20 51	1 21	23 30	0 21	19 54	1 32	11 15	17 28	19 58	20 5	4 1	1 32	3 53
S 25	17 5	20 40	2 52	12 40	0 32	13 48	7 47	24 57	4 28	23 22	0 10	20 51	1 21	23 30	0 21	19 54	1 32	11 16	17 28	19 58	20 6	3 59	1 31	3 53
M26	16 48	21 15	1 44	11 55	0 21	13 53	7 46	25 0	4 27	23 22	0 10	20 51	1 21	23 29	0 21	19 54	1 32	11 17	17 29	19 57	20 6	3 56	1 30	3 53
T 27	16 30	20 32	0 28	11 11	0 8	13 57	7 44	25 4	4 26	23 21	0 10	20 52	1 20	23 29	0 21	19 54	1 32	11 17	17 29	19 57	20 7	3 54	1 28	3 53
W28	16 12	18 27	0s52	10 27	0n 5	14 2	7 41	25 7	4 25	23 21	0 9	20 52	1 20	23 29	0 21	19 54	1 32	11 18	17 30	19 57	20 8	3 52	1 27	3 53
T 29	15 54	15 8	2 10	9 44	0 18	14 7	7 38	25 10	4 24	23 21	0 9	20 52	1 20	23 29	0 21	19 54	1 32	11 19	17 30	19 57	20 8	3 50	1 26	3 53
F 30	15 36	10 49	3 19	9 2	0 32	14 12	7 34	25 13	4 23	23 21	0 9	20 52	1 20	23 29	0 21	19 54	1 32	11 20	17 31	19 58	20 9	3 47	1 25	3 52
S 31	15s17	5s49	4s15	8s22	0n47	14s17	7n29	25n15	4n22	23s21	0n 9	20n52	1s20	23s28	0s21	19n54	1s32	11n20	17n31	19n58	20n10	3n45	1s24	3n52

Julian Day Number = 2172872.5, Delta T = 12m09s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'01, Lahiri = 13°13'02 Julian Calendar 1 Jan. 1237 == Greg. Calendar 8 Jan. 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

FEBRUARY 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 54	19♒42'31	9♈59	7♓48	22°R14	26°R 3	3♑20	10°R58	10♑33	6°R 2	12°R 1	1°R10	0♌17	1♎ 1	17♓33	S 1
M 2	9 16 50	20°42'59	24°33	8°46	22°D13	25♋45	3°31	10♊58	10°36	6♊ 2	12♎ 0	1♌ 8	0°13	1° 7	17°36	M 2
T 3	9 20 47	21°43'25	8♉50	9°37	22♑14	25°29	3°42	10°D58	10°39	6° 2	12° 0	1° 6	0°10	1°14	17°39	T 3
W 4	9 24 44	22°43'49	22°46	10°20	22°18	25°13	3°54	10°58	10°42	6° 2	11°59	1°D 6	0° 7	1°21	17°43	W 4
T 5	9 28 40	23°44'12	6♊23	10°53	22°24	24°58	4° 5	10°58	10°45	6° 2	11°58	1° 6	0° 4	1°28	17°46	T 5
F 6	9 32 37	24°44'32	19°39	11°17	22°32	24°44	4°16	10°58	10°48	6° 2	11°57	1° 8	0° 1	1°34	17°50	F 6
S 7	9 36 33	25°44'50	2♋39	11°31	22°43	24°30	4°27	10°59	10°51	6° 2	11°56	1° 9	29♋58	1°41	17°53	S 7
S 8	9 40 30	26°45'06	15°23	11°R36	22°56	24°18	4°38	10°59	10°53	6°D 2	11°55	1°11	29°54	1°48	17°56	S 8
M 9	9 44 26	27°45'21	27°55	11°31	23°10	24° 6	4°49	11° 0	10°56	6° 2	11°54	1°R12	29°51	1°54	18° 0	M 9
T 10	9 48 23	28°45'33	10♌15	11°16	23°27	23°54	5° 0	11° 0	10°59	6° 2	11°53	1°11	29°48	2° 1	18° 3	T 10
W11	9 52 19	29°45'43	22°27	10°52	23°46	23°44	5°11	11° 1	11° 1	6° 2	11°51	1° 9	29°45	2° 8	18° 7	W11
T 12	9 56 16	0♓45'51	4♍32	10°20	24° 7	23°34	5°21	11° 2	11° 4	6° 2	11°50	1° 6	29°42	2°15	18°11	T 12
F 13	10 0 13	1°45'58	16°30	9°40	24°29	23°25	5°32	11° 3	11° 7	6° 2	11°49	1° 1	29°38	2°21	18°14	F 13
S 14	10 4 9	2°46'03	28°24	8°54	24°54	23°17	5°42	11° 4	11° 9	6° 2	11°48	0°56	29°35	2°28	18°18	S 14
S 15	10 8 6	3°46'05	10♎16	8° 2	25°20	23°10	5°53	11° 6	11°12	6° 3	11°47	0°50	29°32	2°35	18°21	S 15
M16	10 12 2	4°46'06	22° 8	7° 6	25°47	23° 3	6° 3	11° 7	11°14	6° 3	11°45	0°44	29°29	2°41	18°25	M16
T 17	10 15 59	5°46'06	4♏ 2	6° 7	26°17	22°58	6°13	11° 9	11°17	6° 3	11°44	0°39	29°26	2°48	18°28	T 17
W18	10 19 55	6°46'04	16° 3	5° 7	26°47	22°53	6°23	11°10	11°19	6° 3	11°43	0°35	29°23	2°55	18°32	W18
T 19	10 23 52	7°46'00	28°14	4° 7	27°20	22°49	6°33	11°12	11°21	6° 4	11°42	0°33	29°19	3° 1	18°36	T 19
F 20	10 27 48	8°45'54	10♐39	3° 8	27°54	22°45	6°42	11°14	11°24	6° 4	11°40	0°D32	29°16	3° 8	18°39	F 20
S 21	10 31 45	9°45'47	23°24	2°12	28°29	22°43	6°52	11°16	11°26	6° 5	11°39	0°33	29°13	3°15	18°43	S 21
S 22	10 35 42	10°45'38	6♑32	1°19	29° 5	22°41	7° 2	11°18	11°28	6° 5	11°38	0°34	29°10	3°22	18°47	S 22
M23	10 39 38	11°45'27	20° 6	0°31	29°43	22°40	7°11	11°20	11°30	6° 6	11°36	0°36	29° 7	3°28	18°50	M23
T 24	10 43 35	12°45'15	4♒ 9	29♒48	0♒22	22°D39	7°20	11°22	11°33	6° 6	11°35	0°R36	29° 4	3°35	18°54	T 24
W25	10 47 31	13°45'00	18°38	29°11	1° 2	22°39	7°30	11°24	11°35	6° 7	11°33	0°35	29° 0	3°42	18°58	W25
T 26	10 51 28	14°44'44	3♓31	28°40	1°43	22°41	7°39	11°27	11°37	6° 7	11°32	0°31	28°57	3°48	19° 1	T 26
F 27	10 55 24	15°44'26	18°39	28°15	2°25	22°42	7°48	11°29	11°39	6° 8	11°30	0°26	28°54	3°55	19° 5	F 27
S 28	10 59 21	16♓44'05	3♈54	27♒56	3♒ 8	22♋45	7♑57	11♊32	11♑41	6♊ 9	11♎29	0♌19	28♋51	4♎ 2	19♓ 9	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s58	0s32	4s54	7s43	1n 2	14s23	7n24	25n17	4n21	23s21	0n 9	20n52	1s19	23s28	0s21	19n54	1s32	11n21	17n32	19n59	20n10	3n43	1s23	3n52
M 2	14 39	4n42	5 13	7 7	1 17	14 28	7 19	25 19	4 19	23 20	0 9	20 52	1 19	23 28	0 21	19 54	1 32	11 22	17 32	19 59	20 11	3 41	1 22	3 52
T 3	14 19	9 34	5 13	6 34	1 33	14 34	7 14	25 21	4 18	23 20	0 9	20 53	1 19	23 28	0 21	19 54	1 32	11 23	17 33	20 0	20 12	3 38	1 21	3 52
W 4	14 0	13 49	4 53	6 3	1 48	14 39	7 8	25 23	4 16	23 20	0 9	20 53	1 19	23 28	0 21	19 54	1 32	11 24	17 33	20 0	20 12	3 36	1 19	3 52
T 5	13 40	17 14	4 18	5 36	2 4	14 44	7 1	25 24	4 15	23 20	0 9	20 53	1 18	23 27	0 21	19 54	1 32	11 24	17 34	20 0	20 13	3 34	1 18	3 51
F 6	13 20	19 39	3 29	5 13	2 19	14 49	6 55	25 25	4 13	23 19	0 9	20 53	1 18	23 27	0 21	19 54	1 32	11 25	17 34	19 59	20 14	3 31	1 17	3 51
S 7	12 59	21 0	2 31	4 55	2 33	14 55	6 48	25 26	4 12	23 19	0 9	20 54	1 18	23 27	0 21	19 54	1 32	11 26	17 35	19 59	20 15	3 29	1 16	3 51
S 8	12 39	21 13	1 26	4 40	2 47	15 0	6 41	25 27	4 10	23 19	0 9	20 54	1 18	23 27	0 21	19 54	1 32	11 27	17 35	19 59	20 15	3 27	1 14	3 51
M 9	12 18	20 22	0 18	4 31	3 0	15 4	6 33	25 27	4 8	23 19	0 8	20 54	1 17	23 26	0 21	19 54	1 31	11 27	17 36	19 59	20 16	3 24	1 13	3 51
T 10	11 57	18 32	0n50	4 25	3 11	15 9	6 26	25 27	4 6	23 18	0 8	20 55	1 17	23 26	0 21	19 54	1 31	11 28	17 36	19 59	20 17	3 22	1 12	3 51
W11	11 36	15 53	1 54	4 25	3 21	15 14	6 18	25 27	4 5	23 18	0 8	20 55	1 17	23 26	0 22	19 54	1 31	11 29	17 36	19 59	20 17	3 20	1 11	3 51
T 12	11 15	12 34	2 52	4 29	3 30	15 18	6 10	25 27	4 3	23 18	0 8	20 55	1 17	23 26	0 22	19 54	1 31	11 30	17 37	20 0	20 18	3 18	1 9	3 51
F 13	10 53	8 46	3 43	4 38	3 36	15 22	6 2	25 27	4 1	23 17	0 8	20 56	1 16	23 26	0 22	19 54	1 31	11 31	17 37	20 1	20 19	3 15	1 8	3 50
S 14	10 32	4 39	4 23	4 51	3 41	15 26	5 54	25 27	3 59	23 17	0 8	20 56	1 16	23 26	0 22	19 54	1 31	11 32	17 38	20 2	20 19	3 13	1 7	3 50
S 15	10 10	0 23	4 52	5 8	3 44	15 29	5 46	25 26	3 57	23 16	0 8	20 57	1 16	23 25	0 22	19 54	1 31	11 32	17 38	20 3	20 20	3 11	1 6	3 50
M16	9 48	3s53	5 8	5 28	3 44	15 32	5 38	25 25	3 55	23 16	0 8	20 57	1 16	23 25	0 22	19 55	1 31	11 33	17 38	20 5	20 21	3 8	1 4	3 50
T 17	9 26	8 2	5 11	5 51	3 43	15 35	5 30	25 24	3 53	23 16	0 8	20 57	1 16	23 25	0 22	19 55	1 31	11 34	17 39	20 6	20 21	3 6	1 3	3 50
W18	9 4	11 55	5 0	6 17	3 39	15 38	5 21	25 23	3 51	23 15	0 8	20 58	1 15	23 25	0 22	19 55	1 31	11 35	17 39	20 7	20 22	3 4	1 2	3 50
T 19	8 41	15 22	4 36	6 43	3 34	15 40	5 13	25 22	3 49	23 15	0 8	20 58	1 15	23 25	0 22	19 55	1 31	11 36	17 39	20 7	20 23	3 1	1 0	3 50
F 20	8 19	18 12	3 58	7 11	3 26	15 42	5 4	25 20	3 47	23 15	0 7	20 59	1 15	23 24	0 22	19 55	1 31	11 36	17 40	20 7	20 23	2 59	0 59	3 50
S 21	7 56	20 14	3 8	7 40	3 17	15 43	4 56	25 19	3 45	23 14	0 7	20 59	1 15	23 24	0 22	19 55	1 31	11 37	17 40	20 7	20 24	2 57	0 58	3 50
S 22	7 34	21 16	2 7	8 8	3 7	15 44	4 48	25 17	3 43	23 14	0 7	21 0	1 14	23 24	0 22	19 55	1 31	11 38	17 41	20 7	20 25	2 55	0 56	3 50
M23	7 11	21 5	0 57	8 36	2 55	15 45	4 39	25 15	3 41	23 13	0 7	21 0	1 14	23 24	0 22	19 55	1 31	11 39	17 41	20 6	20 25	2 52	0 55	3 49
T 24	6 48	19 37	0s19	9 3	2 42	15 45	4 31	25 13	3 39	23 13	0 7	21 1	1 14	23 24	0 22	19 56	1 31	11 40	17 41	20 6	20 26	2 50	0 54	3 49
W25	6 25	16 49	1 36	9 29	2 29	15 44	4 23	25 11	3 37	23 12	0 7	21 1	1 14	23 24	0 22	19 56	1 31	11 41	17 41	20 7	20 27	2 48	0 52	3 49
T 26	6 2	12 52	2 49	9 53	2 15	15 44	4 14	25 9	3 35	23 12	0 7	21 2	1 14	23 23	0 22	19 56	1 30	11 41	17 42	20 7	20 27	2 45	0 51	3 49
F 27	5 39	8 2	3 50	10 15	2 0	15 43	4 6	25 7	3 33	23 12	0 7	21 3	1 13	23 23	0 22	19 56	1 30	11 42	17 42	20 8	20 28	2 43	0 50	3 49
S 28	5s15	2s40	4s36	10s35	1n46	15s41	3n58	25n 4	3n30	23s11	0n 7	21n 3	1s13	23s23	0s22	19n56	1s30	11n43	17n42	20n10	20n28	2n41	0s48	3n49

Julian Day Number = 2172903.5, Delta T = 12m09s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'06, Lahiri = 13°13'06 Julian Calendar 1 Feb. 1237 == Greg. Calendar 8 Feb. 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

MARCH 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 3 17	17♓43'43	19♈ 4	27°R43	3♒52	22♋48	8♑ 5	11♊35	11♑43	6♊ 9	11°R27	0°R12	28♋48	4♎ 9	19♓12	S 1
M 2	11 7 14	18°43'18	4♉ 0	27♒37	4°37	22°52	8°14	11°38	11°45	6°10	11♎26	0♌ 5	28°44	4°15	19°16	M 2
T 3	11 11 10	19°42'51	18°33	27°D37	5°23	22°57	8°22	11°41	11°46	6°11	11°24	29♋59	28°41	4°22	19°20	T 3
W 4	11 15 7	20°42'22	2♊40	27°42	6°10	23° 2	8°31	11°44	11°48	6°12	11°23	29°56	28°38	4°29	19°23	W 4
T 5	11 19 4	21°41'50	16°21	27°53	6°58	23° 8	8°39	11°47	11°50	6°13	11°21	29°D54	28°35	4°35	19°27	T 5
F 6	11 23 0	22°41'16	29°35	28° 9	7°46	23°14	8°47	11°50	11°52	6°13	11°20	29°54	28°32	4°42	19°31	F 6
S 7	11 26 57	23°40'40	12♋27	28°31	8°36	23°22	8°55	11°54	11°53	6°14	11°18	29°55	28°29	4°49	19°34	S 7
S 8	11 30 53	24°40'01	25° 1	28°57	9°26	23°30	9° 3	11°57	11°55	6°15	11°17	29°R56	28°25	4°56	19°38	S 8
M 9	11 34 50	25°39'20	7♌19	29°27	10°16	23°38	9°10	12° 1	11°57	6°16	11°15	29°56	28°22	5° 2	19°42	M 9
T 10	11 38 46	26°38'37	19°27	0♓ 2	11° 8	23°47	9°18	12° 4	11°58	6°17	11°13	29°54	28°19	5° 9	19°45	T 10
W11	11 42 43	27°37'51	1♍28	0°41	12° 0	23°57	9°25	12° 8	12° 0	6°18	11°12	29°49	28°16	5°16	19°49	W11
T 12	11 46 39	28°37'04	13°24	1°24	12°52	24° 7	9°32	12°12	12° 1	6°19	11°10	29°42	28°13	5°22	19°52	T 12
F 13	11 50 36	29°36'13	25°17	2°10	13°45	24°18	9°39	12°16	12° 2	6°20	11° 8	29°33	28° 9	5°29	19°56	F 13
S 14	11 54 33	0♈35'21	7♎ 9	3° 0	14°39	24°29	9°46	12°20	12° 4	6°21	11° 7	29°22	28° 6	5°36	20° 0	S 14
S 15	11 58 29	1°34'27	19° 1	3°53	15°34	24°41	9°53	12°24	12° 5	6°23	11° 5	29°10	28° 3	5°43	20° 3	S 15
M16	12 2 26	2°33'31	0♏56	4°49	16°29	24°53	10° 0	12°28	12° 6	6°24	11° 4	28°58	28° 0	5°49	20° 7	M16
T 17	12 6 22	3°32'33	12°54	5°48	17°24	25° 6	10° 6	12°32	12° 7	6°25	11° 2	28°47	27°57	5°56	20°11	T 17
W18	12 10 19	4°31'33	24°58	6°49	18°20	25°19	10°12	12°37	12° 9	6°26	11° 0	28°38	27°54	6° 3	20°14	W18
T 19	12 14 15	5°30'31	7♐11	7°54	19°17	25°33	10°19	12°41	12°10	6°27	10°59	28°32	27°50	6° 9	20°18	T 19
F 20	12 18 12	6°29'28	19°36	9° 1	20°14	25°47	10°25	12°46	12°11	6°29	10°57	28°28	27°47	6°16	20°21	F 20
S 21	12 22 8	7°28'22	2♑17	10°10	21°11	26° 2	10°31	12°51	12°12	6°30	10°55	28°D27	27°44	6°23	20°25	S 21
S 22	12 26 5	8°27'15	15°19	11°21	22° 9	26°18	10°36	12°55	12°13	6°31	10°53	28°27	27°41	6°30	20°28	S 22
M23	12 30 2	9°26'06	28°44	12°35	23° 7	26°33	10°42	13° 0	12°14	6°33	10°52	28°R27	27°38	6°36	20°32	M23
T 24	12 33 58	10°24'56	12♒37	13°51	24° 6	26°50	10°47	13° 5	12°14	6°34	10°50	28°27	27°35	6°43	20°35	T 24
W25	12 37 55	11°23'43	26°58	15° 9	25° 5	27° 6	10°52	13°10	12°15	6°36	10°48	28°24	27°31	6°50	20°39	W25
T 26	12 41 51	12°22'29	11♓44	16°28	26° 5	27°23	10°57	13°15	12°16	6°37	10°47	28°19	27°28	6°56	20°42	T 26
F 27	12 45 48	13°21'13	26°51	17°50	27° 4	27°41	11° 2	13°20	12°17	6°39	10°45	28°11	27°25	7° 3	20°46	F 27
S 28	12 49 44	14°19'55	12♈ 8	19°14	28° 5	27°59	11° 7	13°25	12°17	6°40	10°43	28° 1	27°22	7°10	20°49	S 28
S 29	12 53 41	15°18'35	27°27	20°40	29° 5	28°17	11°12	13°31	12°18	6°42	10°42	27°50	27°19	7°17	20°53	S 29
M30	12 57 37	16°17'13	12♉34	22° 7	0♓ 6	28°36	11°16	13°36	12°19	6°43	10°40	27°40	27°15	7°23	20°56	M30
T 31	13 1 34	17♈15'49	27♉20	23♓36	1♓ 7	28♋55	11♑20	13♊41	12♑19	6♊45	10♎38	27♋31	27♋12	7♎30	20♓59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s52	2n50	5s 2	10s54	1n31	15s39	3n49	25n 1	3n28	23s11	0n 7	21n 4	1s13	23s23	0s22	19n56	1s30	11n44	17n43	20n11	20n29	2n38	0s47	3n49
M 2	4 29	8 5	5 7	11 10	1 16	15 36	3 41	24 59	3 26	23 10	0 7	21 4	1 13	23 23	0 22	19 57	1 30	11 45	17 43	20 13	20 30	2 36	0 45	3 49
T 3	4 5	12 44	4 52	11 24	1 1	15 33	3 33	24 56	3 24	23 10	0 6	21 5	1 12	23 23	0 22	19 57	1 30	11 45	17 43	20 14	20 30	2 34	0 44	3 49
W 4	3 42	16 33	4 19	11 35	0 47	15 30	3 25	24 53	3 22	23 9	0 6	21 6	1 12	23 23	0 22	19 57	1 30	11 46	17 43	20 15	20 31	2 31	0 43	3 49
T 5	3 18	19 19	3 33	11 45	0 33	15 26	3 17	24 50	3 20	23 9	0 6	21 6	1 12	23 22	0 22	19 57	1 30	11 47	17 43	20 15	20 32	2 29	0 41	3 49
F 6	2 55	20 56	2 36	11 52	0 19	15 21	3 9	24 47	3 18	23 9	0 6	21 7	1 12	23 22	0 22	19 57	1 30	11 48	17 44	20 15	20 32	2 27	0 40	3 49
S 7	2 31	21 25	1 33	11 57	0 6	15 16	3 1	24 44	3 16	23 8	0 6	21 7	1 12	23 22	0 22	19 58	1 30	11 49	17 44	20 15	20 33	2 24	0 38	3 49
S 8	2 8	20 47	0 26	12 0	0s 7	15 11	2 53	24 40	3 14	23 8	0 6	21 8	1 11	23 22	0 22	19 58	1 30	11 49	17 44	20 15	20 34	2 22	0 37	3 49
M 9	1 44	19 9	0n40	12 1	0 19	15 5	2 45	24 37	3 12	23 7	0 6	21 9	1 11	23 22	0 22	19 58	1 30	11 50	17 44	20 15	20 34	2 20	0 36	3 49
T 10	1 20	16 40	1 43	11 59	0 31	14 59	2 38	24 33	3 10	23 7	0 6	21 10	1 11	23 22	0 22	19 58	1 30	11 51	17 44	20 15	20 35	2 17	0 34	3 49
W11	0 57	13 30	2 40	11 56	0 42	14 52	2 30	24 30	3 8	23 6	0 6	21 10	1 11	23 22	0 22	19 59	1 30	11 52	17 45	20 16	20 36	2 15	0 33	3 49
T 12	0 33	9 47	3 31	11 51	0 53	14 44	2 23	24 26	3 6	23 6	0 6	21 11	1 11	23 22	0 22	19 59	1 30	11 52	17 45	20 18	20 36	2 13	0 31	3 49
F 13	0 9	5 43	4 11	11 44	1 3	14 36	2 15	24 22	3 4	23 6	0 6	21 12	1 10	23 22	0 22	19 59	1 30	11 53	17 45	20 20	20 37	2 10	0 30	3 49
S 14	0n14	1 27	4 41	11 35	1 13	14 28	2 8	24 18	3 2	23 5	0 5	21 12	1 10	23 21	0 22	19 59	1 30	11 54	17 45	20 22	20 38	2 8	0 29	3 49
S 15	0 38	2s53	4 58	11 24	1 22	14 19	2 1	24 14	3 0	23 5	0 5	21 13	1 10	23 21	0 22	19 59	1 30	11 55	17 45	20 25	20 38	2 6	0 27	3 48
M16	1 1	7 7	5 3	11 12	1 31	14 10	1 53	24 10	2 58	23 4	0 5	21 14	1 10	23 21	0 22	20 0	1 29	11 55	17 45	20 27	20 39	2 3	0 26	3 48
T 17	1 25	11 6	4 54	10 57	1 39	14 0	1 46	24 6	2 56	23 4	0 5	21 15	1 10	23 21	0 22	20 0	1 29	11 56	17 45	20 29	20 39	2 1	0 24	3 48
W18	1 48	14 41	4 32	10 42	1 47	13 49	1 39	24 1	2 55	23 4	0 5	21 15	1 9	23 21	0 22	20 0	1 29	11 57	17 45	20 31	20 40	1 58	0 23	3 48
T 19	2 12	17 42	3 57	10 24	1 54	13 38	1 32	23 57	2 53	23 3	0 5	21 16	1 9	23 21	0 22	20 1	1 29	11 58	17 45	20 32	20 41	1 56	0 22	3 48
F 20	2 35	19 57	3 11	10 5	2 0	13 27	1 26	23 52	2 51	23 3	0 5	21 17	1 9	23 21	0 22	20 1	1 29	11 58	17 46	20 33	20 41	1 54	0 20	3 48
S 21	2 59	21 17	2 14	9 44	2 6	13 15	1 19	23 48	2 49	23 2	0 5	21 18	1 9	23 21	0 22	20 1	1 29	11 59	17 46	20 33	20 42	1 51	0 19	3 48
S 22	3 22	21 30	1 9	9 22	2 11	13 3	1 12	23 43	2 47	23 2	0 5	21 19	1 9	23 21	0 22	20 1	1 29	12 0	17 46	20 33	20 43	1 49	0 17	3 48
M23	3 45	20 31	0s 2	8 58	2 16	12 50	1 6	23 38	2 45	23 2	0 4	21 19	1 8	23 21	0 23	20 2	1 29	12 0	17 46	20 33	20 43	1 47	0 16	3 48
T 24	4 8	18 17	1 14	8 32	2 20	12 37	0 59	23 33	2 44	23 1	0 4	21 20	1 8	23 21	0 23	20 2	1 29	12 1	17 46	20 33	20 44	1 44	0 15	3 48
W25	4 32	14 51	2 25	8 5	2 24	12 23	0 53	23 28	2 42	23 1	0 4	21 21	1 8	23 21	0 23	20 2	1 29	12 2	17 46	20 34	20 44	1 42	0 13	3 48
T 26	4 55	10 23	3 28	7 37	2 27	12 9	0 47	23 23	2 40	23 1	0 4	21 22	1 8	23 21	0 23	20 2	1 29	12 2	17 46	20 35	20 45	1 40	0 12	3 48
F 27	5 18	5 12	4 18	7 8	2 30	11 54	0 40	23 18	2 38	23 1	0 4	21 23	1 8	23 21	0 23	20 3	1 29	12 3	17 46	20 37	20 46	1 37	0 11	3 49
S 28	5 40	0n22	4 50	6 37	2 32	11 39	0 34	23 12	2 37	23 0	0 4	21 23	1 7	23 21	0 23	20 3	1 29	12 4	17 46	20 39	20 46	1 35	0 9	3 49
S 29	6 3	5 55	5 1	6 4	2 34	11 24	0 29	23 7	2 35	23 0	0 4	21 24	1 7	23 21	0 23	20 3	1 29	12 4	17 46	20 41	20 47	1 32	0 8	3 49
M30	6 26	11 3	4 51	5 31	2 35	11 8	0 23	23 1	2 33	23 0	0 4	21 25	1 7	23 20	0 23	20 4	1 29	12 5	17 46	20 43	20 48	1 30	0 6	3 49
T 31	6n48	15n24	4s22	4s56	2s35	10s51	0n17	22n56	2n31	22s59	0n 4	21n26	1s 7	23s20	0s23	20n 4	1s29	12n 5	17n46	20n45	20n48	1n28	0s 5	3n49

Julian Day Number = 2172931.5, Delta T = 12m09s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'10, Lahiri = 13°13'10 Julian Calendar 1 March 1237 == Greg. Calendar 8 March 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

APRIL 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 5 30	18♈14'23	11♊39	25♓ 7	2♓ 9	29♋14	11♑24	13♊47	12♑19	6♊46	10°R37	27°R24	27♋ 9	7♎37	21♓ 3	W 1
T 2	13 9 27	19°12'55	25°28	26°40	3°10	29°34	11°28	13°52	12°20	6°48	10♎35	27♋21	27° 6	7°43	21° 6	T 2
F 3	13 13 24	20°11'24	8♋48	28°14	4°12	29°54	11°32	13°58	12°20	6°50	10°33	27°19	27° 3	7°50	21° 9	F 3
S 4	13 17 20	21° 9'52	21°41	29°51	5°15	0♌15	11°35	14° 4	12°21	6°51	10°32	27°19	27° 0	7°57	21°13	S 4
S 5	13 21 17	22° 8'17	4♌13	1♈28	6°17	0°36	11°39	14°10	12°21	6°53	10°30	27°19	26°56	8° 4	21°16	S 5
M 6	13 25 13	23° 6'40	16°28	3° 8	7°20	0°57	11°42	14°15	12°21	6°55	10°28	27°18	26°53	8°10	21°19	M 6
T 7	13 29 10	24° 5'00	28°31	4°50	8°23	1°18	11°45	14°21	12°21	6°56	10°27	27°15	26°50	8°17	21°23	T 7
W 8	13 33 6	25° 3'19	10♍27	6°33	9°26	1°40	11°47	14°27	12°21	6°58	10°25	27° 9	26°47	8°24	21°26	W 8
T 9	13 37 3	26° 1'35	22°18	8°18	10°30	2° 2	11°50	14°33	12°R21	7° 0	10°23	27° 1	26°44	8°30	21°29	T 9
F 10	13 40 59	26°59'50	4♎ 9	10° 4	11°33	2°25	11°53	14°40	12°21	7° 2	10°22	26°49	26°41	8°37	21°32	F 10
S 11	13 44 56	27°58'03	16° 1	11°53	12°37	2°48	11°55	14°46	12°21	7° 3	10°20	26°36	26°37	8°44	21°35	S 11
S 12	13 48 53	28°56'14	27°57	13°43	13°42	3°11	11°57	14°52	12°21	7° 5	10°19	26°22	26°34	8°51	21°38	S 12
M13	13 52 49	29°54'23	9♏57	15°35	14°46	3°34	11°59	14°58	12°21	7° 7	10°17	26° 8	26°31	8°57	21°41	M13
T 14	13 56 46	0♉52'30	22° 3	17°28	15°50	3°58	12° 0	15° 5	12°21	7° 9	10°15	25°56	26°28	9° 4	21°44	T 14
W15	14 0 42	1°50'36	4♐16	19°24	16°55	4°22	12° 2	15°11	12°20	7°11	10°14	25°45	26°25	9°11	21°47	W15
T 16	14 4 39	2°48'40	16°37	21°21	18° 0	4°46	12° 3	15°17	12°20	7°13	10°12	25°38	26°21	9°17	21°50	T 16
F 17	14 8 35	3°46'43	29° 9	23°20	19° 5	5°10	12° 4	15°24	12°20	7°15	10°11	25°33	26°18	9°24	21°53	F 17
S 18	14 12 32	4°44'44	11♑55	25°20	20°11	5°35	12° 5	15°30	12°19	7°17	10° 9	25°31	26°15	9°31	21°56	S 18
S 19	14 16 28	5°42'44	24°57	27°22	21°16	6° 0	12° 6	15°37	12°19	7°19	10° 8	25°D30	26°12	9°38	21°59	S 19
M20	14 20 25	6°40'43	8♒19	29°26	22°22	6°25	12° 7	15°44	12°18	7°21	10° 6	25°R30	26° 9	9°44	22° 2	M20
T 21	14 24 22	7°38'40	22° 4	1♉31	23°28	6°50	12° 7	15°50	12°18	7°23	10° 5	25°30	26° 6	9°51	22° 5	T 21
W22	14 28 18	8°36'36	6♓12	3°38	24°34	7°16	12°R 7	15°57	12°17	7°25	10° 4	25°27	26° 2	9°58	22° 7	W22
T 23	14 32 15	9°34'31	20°44	5°46	25°40	7°42	12° 7	16° 4	12°17	7°27	10° 2	25°23	25°59	10° 4	22°10	T 23
F 24	14 36 11	10°32'24	5♈35	7°55	26°46	8° 8	12° 7	16°11	12°16	7°29	10° 1	25°15	25°56	10°11	22°13	F 24
S 25	14 40 8	11°30'16	20°40	10° 4	27°53	8°35	12° 7	16°18	12°15	7°31	9°59	25° 6	25°53	10°18	22°16	S 25
S 26	14 44 4	12°28'07	5♉48	12°15	28°59	9° 1	12° 6	16°25	12°14	7°33	9°58	24°56	25°50	10°25	22°18	S 26
M27	14 48 1	13°25'56	20°50	14°26	0♈ 6	9°28	12° 5	16°32	12°14	7°35	9°57	24°46	25°46	10°31	22°21	M27
T 28	14 51 57	14°23'44	5♊35	16°37	1°13	9°55	12° 4	16°39	12°13	7°37	9°55	24°37	25°43	10°38	22°23	T 28
W29	14 55 54	15°21'30	19°57	18°48	2°20	10°22	12° 3	16°46	12°12	7°39	9°54	24°30	25°40	10°45	22°26	W29
T 30	14 59 51	16♉19'15	3♋50	20♉59	3♈27	10♌50	12♑ 2	16♊53	12♑11	7♊41	9♎53	24♋27	25♋37	10♎51	22♓28	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n11	18n42	3s37	4s19	2s35	10s35	0n11	22n50	2n30	22s59	0n 4	21n27	1s 7	23s20	0s23	20n 4	1s29	12n 6	17n45	20n46	20n49	1n25	0s 4	3n49
T 2	7 33	20 48	2 40	3 42	2 35	10 18	0 6	22 44	2 28	22 59	0 3	21 28	1 6	23 20	0 23	20 5	1 29	12 7	17 45	20 47	20 49	1 23	0 2	3 49
F 3	7 55	21 39	1 36	3 3	2 34	10 0	0 1	22 38	2 26	22 59	0 3	21 28	1 6	23 20	0 23	20 5	1 29	12 7	17 45	20 47	20 50	1 21	0 1	3 49
S 4	8 17	21 18	0 30	2 23	2 32	9 42	0s 5	22 32	2 25	22 59	0 3	21 29	1 6	23 20	0 23	20 5	1 29	12 8	17 45	20 47	20 51	1 18	0n 0	3 49
S 5	8 39	19 52	0n36	1 42	2 30	9 24	0 10	22 26	2 23	22 58	0 3	21 30	1 6	23 20	0 23	20 6	1 29	12 8	17 45	20 47	20 51	1 16	0 2	3 49
M 6	9 1	17 33	1 39	1 0	2 27	9 5	0 15	22 20	2 22	22 58	0 3	21 31	1 6	23 20	0 23	20 6	1 29	12 9	17 45	20 47	20 52	1 13	0 3	3 49
T 7	9 23	14 29	2 37	0 17	2 24	8 46	0 20	22 14	2 20	22 58	0 3	21 32	1 6	23 20	0 23	20 6	1 28	12 9	17 45	20 48	20 53	1 11	0 4	3 49
W 8	9 44	10 52	3 27	0n28	2 20	8 27	0 25	22 7	2 19	22 58	0 3	21 33	1 5	23 20	0 23	20 7	1 28	12 10	17 45	20 49	20 53	1 9	0 6	3 49
T 9	10 6	6 51	4 7	1 13	2 16	8 7	0 29	22 1	2 17	22 58	0 3	21 34	1 5	23 21	0 23	20 7	1 28	12 10	17 45	20 51	20 54	1 6	0 7	3 49
F 10	10 27	2 34	4 37	1 59	2 11	7 47	0 34	21 54	2 15	22 58	0 2	21 34	1 5	23 21	0 23	20 7	1 28	12 11	17 44	20 53	20 54	1 4	0 8	3 49
S 11	10 48	1s48	4 54	2 47	2 6	7 27	0 39	21 47	2 14	22 58	0 2	21 35	1 5	23 21	0 23	20 8	1 28	12 11	17 44	20 55	20 55	1 1	0 9	3 49
S 12	11 8	6 8	4 59	3 35	2 0	7 6	0 43	21 40	2 12	22 58	0 2	21 36	1 5	23 21	0 23	20 8	1 28	12 12	17 44	20 58	20 56	0 59	0 11	3 49
M13	11 29	10 15	4 51	4 24	1 54	6 45	0 47	21 33	2 11	22 58	0 2	21 37	1 5	23 21	0 23	20 8	1 28	12 12	17 44	21 0	20 56	0 57	0 12	3 49
T 14	11 50	14 1	4 29	5 14	1 47	6 24	0 51	21 26	2 9	22 58	0 2	21 38	1 4	23 21	0 23	20 9	1 28	12 12	17 44	21 3	20 57	0 54	0 13	3 49
W15	12 10	17 14	3 55	6 5	1 40	6 2	0 55	21 19	2 8	22 58	0 2	21 39	1 4	23 21	0 23	20 9	1 28	12 13	17 43	21 5	20 57	0 52	0 15	3 49
T 16	12 30	19 43	3 10	6 56	1 32	5 40	0 59	21 12	2 7	22 58	0 2	21 40	1 4	23 21	0 23	20 9	1 28	12 13	17 43	21 6	20 58	0 49	0 16	3 49
F 17	12 50	21 18	2 14	7 48	1 24	5 18	1 3	21 4	2 5	22 58	0 2	21 40	1 4	23 21	0 23	20 10	1 28	12 14	17 43	21 7	20 59	0 47	0 17	3 50
S 18	13 9	21 49	1 11	8 40	1 16	4 56	1 7	20 57	2 4	22 58	0 2	21 41	1 4	23 21	0 23	20 10	1 28	12 14	17 43	21 7	20 59	0 45	0 18	3 50
S 19	13 29	21 11	0 3	9 33	1 7	4 33	1 10	20 49	2 2	22 58	0 1	21 42	1 4	23 21	0 23	20 10	1 28	12 14	17 43	21 8	21 0	0 42	0 19	3 50
M20	13 48	19 21	1s 7	10 25	0 57	4 10	1 14	20 42	2 1	22 58	0 1	21 43	1 4	23 21	0 23	20 11	1 28	12 15	17 42	21 8	21 0	0 40	0 21	3 50
T 21	14 7	16 21	2 16	11 18	0 48	3 47	1 17	20 34	1 59	22 58	0 1	21 44	1 3	23 21	0 23	20 11	1 28	12 15	17 42	21 8	21 1	0 37	0 22	3 50
W22	14 26	12 20	3 18	12 11	0 38	3 24	1 21	20 26	1 58	22 58	0 1	21 45	1 3	23 21	0 23	20 11	1 28	12 15	17 42	21 8	21 2	0 35	0 23	3 50
T 23	14 44	7 30	4 9	13 4	0 28	3 0	1 24	20 18	1 57	22 58	0 1	21 46	1 3	23 21	0 23	20 12	1 28	12 15	17 41	21 9	21 2	0 33	0 24	3 50
F 24	15 3	2 7	4 44	13 56	0 17	2 37	1 27	20 10	1 55	22 58	0 1	21 46	1 3	23 21	0 23	20 12	1 28	12 16	17 41	21 10	21 3	0 30	0 25	3 50
S 25	15 21	3n28	5 1	14 48	0 7	2 13	1 30	20 1	1 54	22 58	0 1	21 47	1 3	23 22	0 23	20 12	1 28	12 16	17 41	21 12	21 3	0 28	0 26	3 50
S 26	15 39	8 51	4 56	15 38	0n 4	1 49	1 32	19 53	1 53	22 59	0 0	21 48	1 3	23 22	0 23	20 13	1 28	12 16	17 41	21 14	21 4	0 25	0 28	3 50
M27	15 56	13 40	4 31	16 28	0 14	1 25	1 35	19 45	1 51	22 59	0 0	21 49	1 3	23 22	0 23	20 13	1 28	12 16	17 40	21 16	21 5	0 23	0 29	3 50
T 28	16 13	17 34	3 49	17 16	0 25	1 0	1 38	19 36	1 50	22 59	0 0	21 50	1 2	23 22	0 23	20 14	1 28	12 17	17 40	21 17	21 5	0 21	0 30	3 51
W29	16 30	20 18	2 52	18 3	0 35	0 36	1 40	19 27	1 49	22 59	0 0	21 51	1 2	23 22	0 24	20 14	1 28	12 17	17 40	21 18	21 6	0 18	0 31	3 51
T 30	16n47	21n42	1s47	18n48	0n45	0s11	1s42	19n19	1n47	22s59	0s 0	21n51	1s 2	23s22	0s24	20n14	1s28	12n17	17n39	21n19	21n 6	0n16	0n32	3n51

Julian Day Number = 2172962.5, Delta T = 12m09s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'14, Lahiri = 13°13'14 Julian Calendar 1 Apr. 1237 == Greg. Calendar 8 Apr. 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

MAY 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 3 47	17♉16'58	17♋16	23♉ 9	4♈34	11♌18	12°R 0	17♊ 0	12°R10	7♊43	9°R51	24°R25	25♋34	10♎58	22♓31	F 1
S 2	15 7 44	18°14'40	0♌14	25°18	5°42	11°46	11♑59	17° 7	12♑ 9	7°45	9♎50	24°D25	25°31	11° 5	22°33	S 2
S 3	15 11 40	19°12'20	12°50	27°26	6°49	12°14	11°57	17°15	12° 8	7°47	9°49	24♋25	25°27	11°12	22°35	S 3
M 4	15 15 37	20° 9'58	25° 7	29°33	7°57	12°42	11°55	17°22	12° 6	7°50	9°48	24°R25	25°24	11°18	22°38	M 4
T 5	15 19 33	21° 7'34	7♍10	1♊38	9° 5	13°10	11°52	17°29	12° 5	7°52	9°47	24°24	25°21	11°25	22°40	T 5
W 6	15 23 30	22° 5'10	19° 5	3°41	10°12	13°39	11°50	17°36	12° 4	7°54	9°45	24°20	25°18	11°32	22°42	W 6
T 7	15 27 26	23° 2'43	0♎57	5°42	11°20	14° 8	11°47	17°44	12° 3	7°56	9°44	24°15	25°15	11°38	22°44	T 7
F 8	15 31 23	24° 0'16	12°48	7°41	12°28	14°37	11°44	17°51	12° 1	7°58	9°43	24° 7	25°12	11°45	22°47	F 8
S 9	15 35 20	24°57'47	24°43	9°37	13°36	15° 6	11°41	17°59	12° 0	8° 0	9°42	23°57	25° 8	11°52	22°49	S 9
S 10	15 39 16	25°55'16	6♏44	11°31	14°45	15°35	11°38	18° 6	11°59	8° 3	9°41	23°46	25° 5	11°59	22°51	S 10
M11	15 43 13	26°52'45	18°52	13°23	15°53	16° 5	11°35	18°14	11°57	8° 5	9°40	23°36	25° 2	12° 5	22°53	M11
T 12	15 47 9	27°50'12	1♐ 8	15°11	17° 1	16°35	11°31	18°21	11°56	8° 7	9°39	23°26	24°59	12°12	22°55	T 12
W13	15 51 6	28°47'39	13°34	16°57	18°10	17° 4	11°28	18°29	11°54	8° 9	9°38	23°18	24°56	12°19	22°57	W13
T 14	15 55 2	29°45'04	26°11	18°41	19°18	17°34	11°24	18°36	11°53	8°12	9°37	23°13	24°52	12°26	22°59	T 14
F 15	15 58 59	0♊42'29	8♑58	20°21	20°27	18° 5	11°20	18°44	11°51	8°14	9°36	23°10	24°49	12°32	23° 0	F 15
S 16	16 2 55	1°39'53	21°57	21°59	21°36	18°35	11°16	18°51	11°50	8°16	9°35	23°D 9	24°46	12°39	23° 2	S 16
S 17	16 6 52	2°37'16	5♒10	23°34	22°45	19° 5	11°11	18°59	11°48	8°18	9°35	23° 9	24°43	12°46	23° 4	S 17
M18	16 10 49	3°34'38	18°38	25° 6	23°54	19°36	11° 7	19° 7	11°46	8°20	9°34	23°10	24°40	12°52	23° 6	M18
T 19	16 14 45	4°32'00	2♓23	26°35	25° 3	20° 7	11° 2	19°14	11°44	8°23	9°33	23°R11	24°37	12°59	23° 7	T 19
W20	16 18 42	5°29'22	16°25	28° 2	26°12	20°38	10°57	19°22	11°43	8°25	9°32	23°10	24°33	13° 6	23° 9	W20
T 21	16 22 38	6°26'42	0♈44	29°25	27°21	21° 9	10°52	19°30	11°41	8°27	9°32	23° 8	24°30	13°13	23°10	T 21
F 22	16 26 35	7°24'03	15°16	0♋45	28°30	21°40	10°47	19°37	11°39	8°29	9°31	23° 4	24°27	13°19	23°12	F 22
S 23	16 30 31	8°21'22	29°59	2° 3	29°39	22°11	10°42	19°45	11°37	8°32	9°30	22°58	24°24	13°26	23°13	S 23
S 24	16 34 28	9°18'42	14♉44	3°17	0♉49	22°43	10°37	19°53	11°35	8°34	9°30	22°52	24°21	13°33	23°15	S 24
M25	16 38 24	10°16'00	29°26	4°28	1°58	23°14	10°31	20° 1	11°33	8°36	9°29	22°45	24°18	13°39	23°16	M25
T 26	16 42 21	11°13'18	13♊55	5°36	3° 8	23°46	10°25	20° 9	11°31	8°38	9°28	22°40	24°14	13°46	23°18	T 26
W27	16 46 18	12°10'36	28° 6	6°41	4°18	24°18	10°20	20°16	11°29	8°41	9°28	22°36	24°11	13°53	23°19	W27
T 28	16 50 14	13° 7'53	11♋54	7°42	5°27	24°50	10°14	20°24	11°27	8°43	9°27	22°34	24° 8	14° 0	23°20	T 28
F 29	16 54 11	14° 5'09	25°18	8°40	6°37	25°22	10° 7	20°32	11°25	8°45	9°27	22°D33	24° 5	14° 6	23°21	F 29
S 30	16 58 7	15° 2'25	8♌18	9°35	7°47	25°54	10° 1	20°40	11°23	8°47	9°26	22°34	24° 2	14°13	23°22	S 30
S 31	17 2 4	15♊59'39	20♌56	10♋26	8♉57	26♌27	9♑55	20♊48	11♑21	8♊50	9♎26	22♋36	23♋58	14♎20	23♓23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 4	21n47	0s38	19n32	0n55	0n14	1s45	19n10	1n46	23s 0	0s 0	21n52	1s 2	23s22	0s24	20n15	1s28	12n17	17n39	21n19	21n 7	0n13	0n33	3n51
S 2	17 20	20 41	0n31	20 13	1 5	0 38	1 47	19 1	1 45	23 0	0 0	21 53	1 2	23 22	0 24	20 15	1 28	12 17	17 38	21 19	21 8	0 11	0 34	3 51
S 3	17 36	18 34	1 36	20 52	1 14	1 3	1 49	18 51	1 44	23 0	0 0	21 54	1 2	23 22	0 24	20 15	1 28	12 17	17 38	21 19	21 8	0 9	0 35	3 51
M 4	17 51	15 39	2 36	21 28	1 22	1 28	1 51	18 42	1 42	23 1	0 1	21 55	1 2	23 23	0 24	20 16	1 28	12 18	17 38	21 19	21 9	0 6	0 36	3 51
T 5	18 7	12 7	3 27	22 3	1 30	1 53	1 52	18 33	1 41	23 1	0 1	21 56	1 1	23 23	0 24	20 16	1 28	12 18	17 37	21 20	21 9	0 4	0 37	3 51
W 6	18 22	8 9	4 9	22 34	1 38	2 19	1 54	18 23	1 40	23 1	0 1	21 56	1 1	23 23	0 24	20 17	1 28	12 18	17 37	21 20	21 10	0 1	0 38	3 52
T 7	18 37	3 53	4 39	23 3	1 44	2 44	1 56	18 14	1 39	23 2	0 1	21 57	1 1	23 23	0 24	20 17	1 28	12 18	17 37	21 21	21 10	0s 1	0 39	3 52
F 8	18 51	0s30	4 58	23 30	1 50	3 9	1 57	18 4	1 38	23 2	0 1	21 58	1 1	23 23	0 24	20 17	1 28	12 18	17 36	21 23	21 11	0 4	0 40	3 52
S 9	19 5	4 54	5 4	23 53	1 56	3 34	1 58	17 54	1 36	23 3	0 1	21 59	1 1	23 23	0 24	20 18	1 28	12 18	17 36	21 24	21 12	0 6	0 41	3 52
S 10	19 19	9 9	4 56	24 14	2 0	4 0	2 0	17 44	1 35	23 3	0 1	22 0	1 1	23 23	0 24	20 18	1 27	12 18	17 35	21 26	21 12	0 8	0 42	3 52
M11	19 32	13 5	4 35	24 33	2 4	4 25	2 1	17 34	1 34	23 3	0 2	22 0	1 1	23 24	0 24	20 18	1 27	12 18	17 35	21 28	21 13	0 11	0 43	3 52
T 12	19 46	16 32	4 1	24 49	2 7	4 50	2 2	17 24	1 33	23 4	0 2	22 1	1 1	23 24	0 24	20 19	1 27	12 18	17 34	21 30	21 13	0 13	0 44	3 52
W13	19 58	19 17	3 16	25 3	2 9	5 16	2 3	17 14	1 32	23 4	0 2	22 2	1 0	23 24	0 24	20 19	1 27	12 18	17 34	21 31	21 14	0 16	0 45	3 52
T 14	20 11	21 9	2 19	25 14	2 11	5 41	2 4	17 4	1 30	23 5	0 2	22 3	1 0	23 24	0 24	20 19	1 27	12 18	17 34	21 32	21 14	0 18	0 46	3 53
F 15	20 23	21 59	1 15	25 22	2 12	6 6	2 4	16 53	1 29	23 5	0 2	22 3	1 0	23 24	0 24	20 20	1 27	12 18	17 33	21 32	21 15	0 21	0 46	3 53
S 16	20 35	21 38	0 6	25 29	2 12	6 31	2 5	16 43	1 28	23 6	0 2	22 4	1 0	23 24	0 24	20 20	1 27	12 18	17 33	21 33	21 16	0 23	0 47	3 53
S 17	20 46	20 6	1s 4	25 34	2 11	6 56	2 5	16 32	1 27	23 6	0 2	22 5	1 0	23 25	0 24	20 21	1 27	12 17	17 32	21 33	21 16	0 26	0 48	3 53
M18	20 57	17 24	2 13	25 36	2 9	7 21	2 6	16 22	1 26	23 7	0 3	22 6	1 0	23 25	0 24	20 21	1 27	12 17	17 32	21 32	21 17	0 28	0 49	3 53
T 19	21 8	13 42	3 15	25 37	2 7	7 46	2 6	16 11	1 25	23 7	0 3	22 6	1 0	23 25	0 24	20 21	1 27	12 17	17 31	21 32	21 17	0 30	0 50	3 53
W20	21 18	9 11	4 7	25 35	2 4	8 11	2 6	16 0	1 24	23 8	0 3	22 7	1 0	23 25	0 24	20 22	1 27	12 17	17 31	21 32	21 18	0 33	0 50	3 53
T 21	21 28	4 4	4 45	25 32	2 0	8 36	2 7	15 49	1 23	23 8	0 3	22 8	1 0	23 25	0 24	20 22	1 27	12 17	17 30	21 33	21 18	0 35	0 51	3 54
F 22	21 38	1n21	5 5	25 28	1 56	9 1	2 7	15 38	1 21	23 9	0 3	22 8	1 0	23 25	0 24	20 22	1 27	12 17	17 30	21 33	21 19	0 38	0 52	3 54
S 23	21 47	6 44	5 6	25 21	1 50	9 25	2 7	15 26	1 20	23 10	0 3	22 9	0 59	23 26	0 24	20 23	1 27	12 17	17 29	21 34	21 20	0 40	0 53	3 54
S 24	21 56	11 46	4 46	25 14	1 44	9 50	2 6	15 15	1 19	23 10	0 3	22 10	0 59	23 26	0 24	20 23	1 27	12 16	17 29	21 35	21 20	0 43	0 53	3 54
M25	22 5	16 5	4 8	25 5	1 37	10 14	2 6	15 3	1 18	23 11	0 4	22 11	0 59	23 26	0 24	20 23	1 27	12 16	17 28	21 36	21 21	0 45	0 54	3 54
T 26	22 13	19 21	3 14	24 55	1 30	10 38	2 6	14 52	1 17	23 11	0 4	22 11	0 59	23 26	0 24	20 24	1 27	12 16	17 28	21 37	21 21	0 48	0 55	3 54
W27	22 21	21 23	2 9	24 44	1 22	11 2	2 5	14 40	1 16	23 12	0 4	22 12	0 59	23 26	0 24	20 24	1 27	12 16	17 27	21 38	21 22	0 50	0 55	3 54
T 28	22 28	22 3	0 58	24 31	1 13	11 26	2 5	14 29	1 15	23 13	0 4	22 13	0 59	23 27	0 24	20 24	1 27	12 15	17 27	21 38	21 22	0 52	0 56	3 55
F 29	22 35	21 24	0n15	24 18	1 3	11 49	2 4	14 17	1 14	23 13	0 4	22 13	0 59	23 27	0 24	20 25	1 27	12 15	17 26	21 38	21 23	0 55	0 56	3 55
S 30	22 42	19 38	1 25	24 4	0 53	12 13	2 4	14 5	1 13	23 14	0 4	22 14	0 59	23 27	0 24	20 25	1 27	12 15	17 26	21 38	21 23	0 57	0 57	3 55
S 31	22n48	16n55	2n28	23n49	0n42	12n36	2s 3	13n53	1n12	23s14	0s 5	22n14	0s59	23s27	0s24	20n25	1s27	12n14	17n25	21n38	21n24	1s 0	0n58	3n55

Julian Day Number = 2172992.5, Delta T = 12m09s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'18, Lahiri = 13°13'18 Julian Calendar 1 May 1237 == Greg. Calendar 8 May 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

JUNE 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 6 0	16♊56'53	3♍16	11♋13	10♉ 7	26♌59	9°R48	20♊55	11°R19	8♊52	9°R26	22♋37	23♋55	14♎27	23♓24	M 1
T 2	17 9 57	17°54'06	15°22	11°56	11°17	27°32	9♑42	21° 3	11♑17	8°54	9♎25	22°R38	23°52	14°33	23°25	T 2
W 3	17 13 53	18°51'19	27°19	12°36	12°27	28° 5	9°35	21°11	11°15	8°56	9°25	22°38	23°49	14°40	23°26	W 3
T 4	17 17 50	19°48'31	9♎12	13°11	13°37	28°38	9°28	21°19	11°13	8°58	9°25	22°36	23°46	14°47	23°27	T 4
F 5	17 21 47	20°45'42	21° 6	13°43	14°47	29°11	9°22	21°27	11°10	9° 1	9°24	22°33	23°43	14°53	23°28	F 5
S 6	17 25 43	21°42'52	3♏ 3	14°10	15°57	29°44	9°15	21°35	11° 8	9° 3	9°24	22°29	23°39	15° 0	23°29	S 6
S 7	17 29 40	22°40'03	15° 9	14°33	17° 8	0♏17	9° 8	21°42	11° 6	9° 5	9°24	22°24	23°36	15° 7	23°29	S 7
M 8	17 33 36	23°37'13	27°25	14°51	18°18	0°51	9° 1	21°50	11° 4	9° 7	9°24	22°19	23°33	15°14	23°30	M 8
T 9	17 37 33	24°34'22	9♐52	15° 5	19°28	1°24	8°53	21°58	11° 2	9° 9	9°24	22°14	23°30	15°20	23°30	T 9
W10	17 41 29	25°31'31	22°34	15°15	20°39	1°58	8°46	22° 6	10°59	9°12	9°23	22°11	23°27	15°27	23°31	W10
T 11	17 45 26	26°28'41	5♑28	15°19	21°49	2°31	8°39	22°14	10°57	9°14	9°23	22° 9	23°24	15°34	23°31	T 11
F 12	17 49 22	27°25'50	18°37	15°R19	23° 0	3° 5	8°31	22°22	10°55	9°16	9°D23	22°D 8	23°20	15°40	23°32	F 12
S 13	17 53 19	28°22'59	1♒58	15°15	24°11	3°39	8°24	22°29	10°52	9°18	9°23	22° 8	23°17	15°47	23°32	S 13
S 14	17 57 16	29°20'08	15°31	15° 6	25°21	4°13	8°16	22°37	10°50	9°20	9°23	22° 9	23°14	15°54	23°33	S 14
M15	18 1 12	0♋17'18	29°16	14°52	26°32	4°47	8° 9	22°45	10°48	9°22	9°24	22°11	23°11	16° 1	23°33	M15
T 16	18 5 9	1°14'27	13♓12	14°35	27°43	5°21	8° 1	22°53	10°45	9°24	9°24	22°12	23° 8	16° 7	23°33	T 16
W17	18 9 5	2°11'37	27°17	14°13	28°54	5°56	7°54	23° 1	10°43	9°26	9°24	22°R12	23° 4	16°14	23°33	W17
T 18	18 13 2	3° 8'47	11♈30	13°47	0♊ 5	6°30	7°46	23° 8	10°41	9°29	9°24	22°12	23° 1	16°21	23°33	T 18
F 19	18 16 58	4° 5'58	25°49	13°18	1°16	7° 5	7°38	23°16	10°38	9°31	9°24	22°11	22°58	16°28	23°R33	F 19
S 20	18 20 55	5° 3'09	10♉10	12°46	2°27	7°39	7°31	23°24	10°36	9°33	9°24	22°10	22°55	16°34	23°33	S 20
S 21	18 24 51	6° 0'21	24°29	12°11	3°38	8°14	7°23	23°32	10°33	9°35	9°25	22° 8	22°52	16°41	23°33	S 21
M22	18 28 48	6°57'33	8♊43	11°35	4°49	8°49	7°15	23°39	10°31	9°37	9°25	22° 6	22°49	16°48	23°33	M22
T 23	18 32 45	7°54'46	22°47	10°56	6° 0	9°24	7° 8	23°47	10°29	9°39	9°25	22° 4	22°45	16°54	23°33	T 23
W24	18 36 41	8°51'59	6♋36	10°18	7°12	9°59	7° 0	23°55	10°26	9°41	9°26	22° 3	22°42	17° 1	23°33	W24
T 25	18 40 38	9°49'12	20° 9	9°39	8°23	10°34	6°52	24° 2	10°24	9°43	9°26	22°D 3	22°39	17° 8	23°33	T 25
F 26	18 44 34	10°46'26	3♌22	9° 0	9°34	11° 9	6°44	24°10	10°21	9°45	9°27	22° 3	22°36	17°15	23°32	F 26
S 27	18 48 31	11°43'39	16°16	8°23	10°46	11°45	6°37	24°18	10°19	9°47	9°27	22° 4	22°33	17°21	23°32	S 27
S 28	18 52 27	12°40'53	28°52	7°47	11°57	12°20	6°29	24°25	10°16	9°49	9°28	22° 4	22°30	17°28	23°31	S 28
M29	18 56 24	13°38'07	11♍12	7°14	13° 9	12°56	6°21	24°33	10°14	9°51	9°28	22° 5	22°26	17°35	23°31	M29
T 30	19 0 21	14♋35'22	23♍19	6♋45	14♊21	13♍31	6♑14	24♊40	10♑12	9♊53	9♎29	22♋ 6	22♋23	17♎42	23♓30	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n54	13n30	3n23	23n34	0n30	12n59	2s 2	13n41	1n11	23s15	0s 5	22n15	0s59	23s27	0s24	20n26	1s27	12n14	17n25	21n38	21n25	1s 2	0n58	3n55
T 2	22 59	9 36	4 9	23 18	0 18	13 21	2 1	13 28	1 10	23 16	0 5	22 16	0 58	23 28	0 24	20 26	1 27	12 14	17 24	21 38	21 25	1 5	0 59	3 55
W 3	23 4	5 23	4 42	23 2	0 6	13 44	2 0	13 16	1 9	23 16	0 5	22 16	0 58	23 28	0 24	20 27	1 27	12 13	17 23	21 38	21 26	1 7	0 59	3 56
T 4	23 9	0 59	5 3	22 45	0s 8	14 6	1 59	13 4	1 8	23 17	0 5	22 17	0 58	23 28	0 24	20 27	1 27	12 13	17 23	21 38	21 26	1 10	1 0	3 56
F 5	23 13	3s27	5 12	22 28	0 21	14 28	1 58	12 51	1 7	23 18	0 5	22 17	0 58	23 28	0 24	20 27	1 27	12 13	17 22	21 39	21 27	1 12	1 0	3 56
S 6	23 17	7 47	5 7	22 11	0 36	14 49	1 57	12 38	1 6	23 18	0 5	22 18	0 58	23 28	0 24	20 28	1 27	12 12	17 22	21 39	21 27	1 15	1 1	3 56
S 7	23 20	11 51	4 48	21 54	0 50	15 10	1 55	12 26	1 5	23 19	0 6	22 19	0 58	23 29	0 24	20 28	1 27	12 12	17 21	21 40	21 28	1 17	1 1	3 56
M 8	23 23	15 31	4 16	21 37	1 5	15 31	1 54	12 13	1 4	23 19	0 6	22 19	0 58	23 29	0 24	20 28	1 27	12 11	17 21	21 41	21 28	1 19	1 1	3 56
T 9	23 26	18 33	3 31	21 21	1 21	15 52	1 52	12 0	1 3	23 20	0 6	22 20	0 58	23 29	0 24	20 29	1 27	12 11	17 20	21 42	21 29	1 22	1 2	3 56
W10	23 28	20 45	2 35	21 4	1 36	16 12	1 51	11 47	1 2	23 21	0 6	22 20	0 58	23 29	0 24	20 29	1 27	12 10	17 20	21 42	21 30	1 24	1 2	3 57
T 11	23 29	21 55	1 30	20 48	1 52	16 32	1 49	11 34	1 1	23 21	0 6	22 21	0 58	23 29	0 24	20 29	1 27	12 10	17 19	21 42	21 30	1 27	1 2	3 57
F 12	23 31	21 55	0 19	20 32	2 8	16 52	1 48	11 21	1 0	23 22	0 6	22 21	0 58	23 30	0 24	20 29	1 27	12 9	17 18	21 43	21 31	1 29	1 3	3 57
S 13	23 32	20 41	0s54	20 17	2 24	17 11	1 46	11 8	0 59	23 23	0 6	22 22	0 58	23 30	0 24	20 30	1 27	12 9	17 18	21 43	21 31	1 32	1 3	3 57
S 14	23 32	18 14	2 5	20 2	2 39	17 30	1 44	10 54	0 58	23 23	0 7	22 22	0 58	23 30	0 24	20 30	1 27	12 8	17 17	21 42	21 32	1 34	1 3	3 57
M15	23 32	14 45	3 10	19 48	2 55	17 48	1 42	10 41	0 57	23 24	0 7	22 23	0 57	23 30	0 24	20 30	1 27	12 8	17 17	21 42	21 32	1 37	1 4	3 57
T 16	23 32	10 24	4 5	19 35	3 10	18 6	1 41	10 27	0 56	23 25	0 7	22 23	0 57	23 30	0 24	20 31	1 27	12 7	17 16	21 42	21 33	1 39	1 4	3 58
W17	23 31	5 27	4 46	19 23	3 24	18 23	1 39	10 14	0 55	23 25	0 7	22 24	0 57	23 31	0 24	20 31	1 27	12 7	17 16	21 42	21 33	1 42	1 4	3 58
T 18	23 30	0 11	5 10	19 12	3 38	18 41	1 37	10 0	0 54	23 26	0 7	22 24	0 57	23 31	0 24	20 31	1 27	12 6	17 15	21 42	21 34	1 44	1 4	3 58
F 19	23 28	5n 8	5 14	19 2	3 51	18 57	1 35	9 46	0 53	23 26	0 7	22 25	0 57	23 31	0 24	20 32	1 27	12 5	17 14	21 42	21 34	1 47	1 4	3 58
S 20	23 26	10 11	5 0	18 53	4 3	19 14	1 32	9 33	0 52	23 27	0 8	22 25	0 57	23 31	0 25	20 32	1 27	12 5	17 14	21 42	21 35	1 49	1 5	3 58
S 21	23 24	14 40	4 26	18 46	4 14	19 29	1 30	9 19	0 52	23 28	0 8	22 26	0 57	23 31	0 25	20 32	1 27	12 4	17 13	21 43	21 35	1 52	1 5	3 58
M22	23 21	18 16	3 37	18 39	4 24	19 45	1 28	9 5	0 51	23 28	0 8	22 26	0 57	23 32	0 25	20 32	1 27	12 3	17 13	21 43	21 36	1 54	1 5	3 59
T 23	23 18	20 46	2 35	18 34	4 32	19 59	1 26	8 51	0 50	23 29	0 8	22 27	0 57	23 32	0 25	20 33	1 27	12 3	17 12	21 43	21 36	1 56	1 5	3 59
W24	23 14	21 58	1 24	18 30	4 39	20 14	1 23	8 37	0 49	23 29	0 8	22 27	0 57	23 32	0 25	20 33	1 27	12 2	17 12	21 43	21 37	1 59	1 5	3 59
T 25	23 10	21 51	0 11	18 28	4 44	20 27	1 21	8 22	0 48	23 30	0 8	22 27	0 57	23 32	0 25	20 33	1 28	12 1	17 11	21 43	21 38	2 1	1 5	3 59
F 26	23 6	20 29	1n 2	18 27	4 48	20 41	1 19	8 8	0 47	23 30	0 8	22 28	0 57	23 32	0 25	20 34	1 28	12 1	17 10	21 43	21 38	2 4	1 5	3 59
S 27	23 1	18 6	2 10	18 27	4 50	20 53	1 16	7 54	0 46	23 31	0 9	22 28	0 57	23 33	0 25	20 34	1 28	12 0	17 10	21 43	21 39	2 6	1 5	3 59
S 28	22 56	14 53	3 10	18 29	4 50	21 6	1 14	7 39	0 45	23 31	0 9	22 29	0 57	23 33	0 25	20 34	1 28	11 59	17 9	21 43	21 39	2 9	1 5	3 59
M29	22 50	11 5	4 0	18 32	4 49	21 17	1 11	7 25	0 44	23 32	0 9	22 29	0 57	23 33	0 25	20 34	1 28	11 59	17 9	21 43	21 40	2 11	1 5	4 0
T 30	22n44	6n55	4n38	18n37	4s46	21n28	1s 9	7n10	0n43	23s32	0s 9	22n29	0s57	23s33	0s25	20n35	1s28	11n58	17n 8	21n43	21n40	2s14	1n 5	4n 0

Julian Day Number = 2173023.5, Delta T = 12m09s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'22, Lahiri = 13°13'23 Julian Calendar 1 June 1237 == Greg. Calendar 8 June 1237

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JULY 1237 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 4 17	15♋32'36	5♎17	6°R18	15♊32	14♍ 7	6°R 6	24♊48	10°R 9	9♊55	9♎29	22♋ 6	22♋20	17♎48	23°R30	W 1
T 2	19 8 14	16°29'51	17°11	5♋57	16°44	14°43	5♑59	24°56	10♑ 7	9°56	9°30	22°R 7	22°17	17°55	23♓29	T 2
F 3	19 12 10	17°27'07	29° 5	5°39	17°56	15°19	5°51	25° 3	10° 4	9°58	9°31	22° 6	22°14	18° 2	23°28	F 3
S 4	19 16 7	18°24'22	11♏ 4	5°27	19° 7	15°55	5°44	25°10	10° 2	10° 0	9°31	22° 6	22°10	18° 8	23°28	S 4
S 5	19 20 3	19°21'38	23°12	5°20	20°19	16°31	5°37	25°18	10° 0	10° 2	9°32	22° 6	22° 7	18°15	23°27	S 5
M 6	19 24 0	20°18'54	5♐32	5°D19	21°31	17° 7	5°29	25°25	9°57	10° 4	9°33	22° 6	22° 4	18°22	23°26	M 6
T 7	19 27 56	21°16'11	18° 8	5°23	22°43	17°43	5°22	25°33	9°55	10° 6	9°34	22° 5	22° 1	18°29	23°25	T 7
W 8	19 31 53	22°13'29	1♑ 2	5°33	23°55	18°19	5°15	25°40	9°53	10° 7	9°35	22°D 5	21°58	18°35	23°24	W 8
T 9	19 35 50	23°10'47	14°14	5°50	25° 7	18°56	5° 8	25°47	9°50	10° 9	9°35	22° 5	21°55	18°42	23°23	T 9
F 10	19 39 46	24° 8'06	27°45	6°12	26°19	19°32	5° 1	25°54	9°48	10°11	9°36	22°R 5	21°51	18°49	23°22	F 10
S 11	19 43 43	25° 5'26	11♒31	6°41	27°31	20° 9	4°54	26° 2	9°46	10°13	9°37	22° 5	21°48	18°55	23°21	S 11
S 12	19 47 39	26° 2'47	25°31	7°15	28°43	20°46	4°48	26° 9	9°43	10°14	9°38	22° 5	21°45	19° 2	23°20	S 12
M13	19 51 36	27° 0'08	9♓42	7°56	29°56	21°22	4°41	26°16	9°41	10°16	9°39	22° 5	21°42	19° 9	23°19	M13
T 14	19 55 32	27°57'31	23°58	8°43	1♋ 8	21°59	4°34	26°23	9°39	10°18	9°40	22° 4	21°39	19°16	23°17	T 14
W15	19 59 29	28°54'55	8♈17	9°36	2°20	22°36	4°28	26°30	9°37	10°19	9°41	22° 3	21°36	19°22	23°16	W15
T 16	20 3 25	29°52'20	22°35	10°35	3°33	23°13	4°22	26°37	9°34	10°21	9°42	22° 3	21°32	19°29	23°15	T 16
F 17	20 7 22	0♌49'46	6♉48	11°40	4°45	23°50	4°15	26°44	9°32	10°22	9°44	22°D 3	21°29	19°36	23°13	F 17
S 18	20 11 19	1°47'14	20°55	12°50	5°58	24°27	4° 9	26°51	9°30	10°24	9°45	22° 3	21°26	19°43	23°12	S 18
S 19	20 15 15	2°44'43	4♊54	14° 5	7°10	25° 5	4° 3	26°58	9°28	10°26	9°46	22° 4	21°23	19°49	23°10	S 19
M20	20 19 12	3°42'14	18°42	15°26	8°23	25°42	3°58	27° 5	9°26	10°27	9°47	22° 5	21°20	19°56	23° 9	M20
T 21	20 23 8	4°39'46	2♋18	16°52	9°35	26°19	3°52	27°12	9°24	10°29	9°48	22° 6	21°16	20° 3	23° 7	T 21
W22	20 27 5	5°37'19	15°42	18°23	10°48	26°57	3°46	27°18	9°22	10°30	9°50	22°R 7	21°13	20° 9	23° 6	W22
T 23	20 31 1	6°34'54	28°52	19°58	12° 1	27°35	3°41	27°25	9°19	10°31	9°51	22° 7	21°10	20°16	23° 4	T 23
F 24	20 34 58	7°32'29	11♌48	21°37	13°14	28°12	3°36	27°32	9°17	10°33	9°52	22° 6	21° 7	20°23	23° 2	F 24
S 25	20 38 54	8°30'06	24°30	23°21	14°26	28°50	3°31	27°38	9°15	10°34	9°54	22° 4	21° 4	20°30	23° 1	S 25
S 26	20 42 51	9°27'44	6♍58	25° 7	15°39	29°28	3°26	27°45	9°13	10°36	9°55	22° 2	21° 1	20°36	22°59	S 26
M27	20 46 48	10°25'23	19°13	26°57	16°52	0♎ 6	3°21	27°51	9°11	10°37	9°57	21°59	20°57	20°43	22°57	M27
T 28	20 50 44	11°23'03	1♎18	28°49	18° 5	0°44	3°16	27°58	9°10	10°38	9°58	21°56	20°54	20°50	22°55	T 28
W29	20 54 41	12°20'44	13°15	0♌44	19°18	1°22	3°12	28° 4	9° 8	10°39	9°59	21°54	20°51	20°57	22°53	W29
T 30	20 58 37	13°18'27	25° 9	2°41	20°31	2° 0	3° 7	28°11	9° 6	10°41	10° 1	21°52	20°48	21° 3	22°51	T 30
F 31	21 2 34	14♌16'10	7♏ 2	4♌39	21♋44	2♎38	3♑ 3	28♊17	9♑ 4	10♊42	10♎ 3	21♋51	20♋45	21♎10	22♓49	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22n38	2n32	5n 3	18n42	4s41	21n39	1s 6	6n56	0n43	23s33	0s 9	22n30	0s57	23s33	0s25	20n35	1s28	11n57	17n 8	21n43	21n41	2s16	1n 5	4n 0
T 2	22 31	1s55	5 16	18 49	4 35	21 49	1 4	6 41	0 42	23 33	0 9	22 30	0 56	23 34	0 25	20 35	1 28	11 56	17 7	21 43	21 41	2 19	1 5	4 0
F 3	22 24	6 18	5 14	18 57	4 28	21 58	1 1	6 26	0 41	23 34	0 9	22 30	0 56	23 34	0 25	20 35	1 28	11 56	17 7	21 43	21 42	2 21	1 4	4 0
S 4	22 16	10 28	5 0	19 7	4 19	22 7	0 59	6 12	0 40	23 34	0 10	22 31	0 56	23 34	0 25	20 36	1 28	11 55	17 6	21 43	21 42	2 24	1 4	4 0
S 5	22 8	14 16	4 31	19 17	4 9	22 15	0 56	5 57	0 39	23 35	0 10	22 31	0 56	23 34	0 25	20 36	1 28	11 54	17 5	21 43	21 43	2 26	1 4	4 1
M 6	22 0	17 32	3 50	19 28	3 58	22 23	0 53	5 42	0 38	23 35	0 10	22 31	0 56	23 34	0 25	20 36	1 28	11 53	17 5	21 43	21 43	2 29	1 4	4 1
T 7	21 51	20 4	2 57	19 39	3 46	22 30	0 50	5 27	0 37	23 36	0 10	22 31	0 56	23 34	0 25	20 36	1 28	11 52	17 4	21 43	21 44	2 31	1 4	4 1
W 8	21 42	21 38	1 54	19 52	3 34	22 36	0 48	5 12	0 37	23 36	0 10	22 32	0 56	23 35	0 25	20 37	1 28	11 52	17 4	21 43	21 44	2 34	1 3	4 1
T 9	21 32	22 3	0 43	20 4	3 20	22 42	0 45	4 57	0 36	23 36	0 10	22 32	0 56	23 35	0 25	20 37	1 28	11 51	17 3	21 43	21 45	2 36	1 3	4 1
F 10	21 22	21 13	0s31	20 17	3 6	22 47	0 42	4 42	0 35	23 37	0 10	22 32	0 56	23 35	0 25	20 37	1 28	11 50	17 3	21 43	21 45	2 39	1 3	4 1
S 11	21 12	19 5	1 46	20 31	2 52	22 51	0 40	4 26	0 34	23 37	0 11	22 33	0 56	23 35	0 25	20 37	1 28	11 49	17 2	21 43	21 46	2 41	1 3	4 1
S 12	21 2	15 48	2 55	20 44	2 37	22 55	0 37	4 11	0 33	23 38	0 11	22 33	0 56	23 35	0 25	20 38	1 28	11 48	17 2	21 43	21 46	2 44	1 2	4 1
M13	20 51	11 34	3 54	20 56	2 22	22 58	0 34	3 56	0 32	23 38	0 11	22 33	0 56	23 35	0 25	20 38	1 28	11 47	17 1	21 43	21 47	2 46	1 2	4 2
T 14	20 39	6 40	4 39	21 9	2 6	23 1	0 31	3 40	0 31	23 38	0 11	22 33	0 56	23 36	0 25	20 38	1 28	11 46	17 1	21 43	21 47	2 49	1 1	4 2
W15	20 28	1 24	5 7	21 21	1 51	23 3	0 28	3 25	0 31	23 39	0 11	22 33	0 56	23 36	0 25	20 38	1 28	11 45	17 0	21 43	21 48	2 51	1 1	4 2
T 16	20 16	3n55	5 17	21 32	1 36	23 4	0 26	3 10	0 30	23 39	0 11	22 34	0 56	23 36	0 25	20 38	1 28	11 45	16 59	21 43	21 48	2 54	1 1	4 2
F 17	20 3	9 1	5 6	21 42	1 20	23 4	0 23	2 54	0 29	23 39	0 11	22 34	0 56	23 36	0 25	20 39	1 28	11 44	16 59	21 43	21 49	2 56	1 0	4 2
S 18	19 51	13 36	4 37	21 50	1 5	23 4	0 20	2 39	0 28	23 40	0 11	22 34	0 56	23 36	0 25	20 39	1 28	11 43	16 58	21 43	21 49	2 59	1 0	4 2
S 19	19 38	17 23	3 52	21 57	0 50	23 3	0 17	2 23	0 27	23 40	0 12	22 34	0 56	23 36	0 25	20 39	1 28	11 42	16 58	21 43	21 50	3 1	0 59	4 2
M20	19 24	20 9	2 54	22 3	0 36	23 2	0 14	2 7	0 27	23 40	0 12	22 34	0 56	23 37	0 25	20 39	1 28	11 41	16 57	21 43	21 50	3 4	0 59	4 2
T 21	19 11	21 44	1 47	22 7	0 21	23 0	0 12	1 52	0 26	23 41	0 12	22 35	0 56	23 37	0 25	20 39	1 28	11 40	16 57	21 43	21 51	3 6	0 58	4 3
W22	18 57	22 1	0 35	22 8	0 8	22 57	0 9	1 36	0 25	23 41	0 12	22 35	0 56	23 37	0 25	20 39	1 28	11 39	16 56	21 43	21 51	3 9	0 58	4 3
T 23	18 42	21 5	0n37	22 8	0n 5	22 53	0 6	1 20	0 24	23 41	0 12	22 35	0 56	23 37	0 25	20 40	1 28	11 38	16 56	21 43	21 52	3 11	0 57	4 3
F 24	18 28	19 2	1 47	22 5	0 18	22 49	0 3	1 4	0 23	23 41	0 12	22 35	0 56	23 37	0 25	20 40	1 28	11 37	16 55	21 43	21 52	3 14	0 57	4 3
S 25	18 13	16 4	2 49	21 59	0 29	22 44	0 1	0 49	0 23	23 42	0 12	22 35	0 56	23 37	0 25	20 40	1 28	11 36	16 55	21 43	21 53	3 16	0 56	4 3
S 26	17 57	12 26	3 43	21 51	0 40	22 39	0n 2	0 33	0 22	23 42	0 12	22 35	0 56	23 37	0 25	20 40	1 28	11 35	16 54	21 44	21 53	3 19	0 55	4 3
M27	17 42	8 20	4 25	21 41	0 50	22 33	0 5	0 17	0 21	23 42	0 12	22 36	0 56	23 38	0 25	20 40	1 28	11 34	16 54	21 44	21 54	3 21	0 55	4 3
T 28	17 26	3 59	4 54	21 27	1 0	22 26	0 7	0 1	0 20	23 42	0 13	22 36	0 56	23 38	0 25	20 40	1 28	11 33	16 53	21 45	21 54	3 24	0 54	4 3
W29	17 10	0s29	5 11	21 11	1 8	22 18	0 10	0s15	0 19	23 43	0 13	22 36	0 56	23 38	0 25	20 41	1 28	11 32	16 53	21 45	21 55	3 26	0 53	4 3
T 30	16 54	4 54	5 14	20 52	1 16	22 10	0 13	0 31	0 19	23 43	0 13	22 36	0 56	23 38	0 25	20 41	1 28	11 31	16 53	21 45	21 55	3 29	0 53	4 4
F 31	16n37	9s 8	5n 4	20n31	1n23	22n 2	0n15	0s47	0n18	23s43	0s13	22n36	0s56	23s38	0s25	20n41	1s29	11n30	16n52	21n45	21n56	3s31	0n52	4n 4

Julian Day Number = 2173053.5, Delta T = 12m08s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'26, Lahiri = 13°13'27 Julian Calendar 1 July 1237 == Greg. Calendar 8 July 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

AUGUST 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 30	15♌13'55	18♏59	6♌38	22♋58	3♎17	2°R59	28♊23	9°R 2	10♊43	10♎ 4	21°D50	20♋41	21♎17	22°R47	S 1
S 2	21 10 27	16°11'41	1♐ 6	8°38	24°11	3°55	2♑55	28°29	9♑ 0	10°44	10° 6	21♋51	20°38	21°23	22♓45	S 2
M 3	21 14 23	17° 9'28	13°26	10°38	25°24	4°34	2°52	28°35	8°59	10°45	10° 7	21°53	20°35	21°30	22°43	M 3
T 4	21 18 20	18° 7'16	26° 4	12°39	26°37	5°12	2°48	28°41	8°57	10°46	10° 9	21°54	20°32	21°37	22°41	T 4
W 5	21 22 17	19° 5'06	9♑ 4	14°39	27°51	5°51	2°45	28°47	8°55	10°48	10°11	21°56	20°29	21°44	22°39	W 5
T 6	21 26 13	20° 2'57	22°27	16°39	29° 4	6°30	2°42	28°53	8°54	10°49	10°12	21°R56	20°26	21°50	22°36	T 6
F 7	21 30 10	21° 0'49	6♒13	18°39	0♌17	7° 8	2°39	28°59	8°52	10°50	10°14	21°55	20°22	21°57	22°34	F 7
S 8	21 34 6	21°58'43	20°22	20°38	1°31	7°47	2°36	29° 5	8°51	10°51	10°16	21°53	20°19	22° 4	22°32	S 8
S 9	21 38 3	22°56'38	4♓49	22°36	2°44	8°26	2°34	29°11	8°49	10°52	10°17	21°50	20°16	22°10	22°30	S 9
M10	21 41 59	23°54'35	19°27	24°33	3°58	9° 5	2°31	29°16	8°48	10°52	10°19	21°45	20°13	22°17	22°27	M10
T 11	21 45 56	24°52'34	4♈11	26°29	5°12	9°44	2°29	29°22	8°46	10°53	10°21	21°41	20°10	22°24	22°25	T 11
W12	21 49 52	25°50'35	18°52	28°24	6°25	10°23	2°27	29°27	8°45	10°54	10°23	21°36	20° 7	22°31	22°23	W12
T 13	21 53 49	26°48'37	3♉24	0♍18	7°39	11° 3	2°25	29°33	8°43	10°55	10°25	21°33	20° 3	22°37	22°20	T 13
F 14	21 57 46	27°46'42	17°43	2°11	8°53	11°42	2°24	29°38	8°42	10°56	10°27	21°31	20° 0	22°44	22°18	F 14
S 15	22 1 42	28°44'48	1♊46	4° 3	10° 6	12°21	2°22	29°43	8°41	10°57	10°29	21°D31	19°57	22°51	22°15	S 15
S 16	22 5 39	29°42'57	15°33	5°53	11°20	13° 1	2°21	29°49	8°40	10°57	10°30	21°32	19°54	22°58	22°13	S 16
M17	22 9 35	0♍41'08	29° 3	7°43	12°34	13°40	2°20	29°54	8°38	10°58	10°32	21°33	19°51	23° 4	22°10	M17
T 18	22 13 32	1°39'20	12♋18	9°31	13°48	14°20	2°19	29°59	8°37	10°59	10°34	21°34	19°47	23°11	22° 8	T 18
W19	22 17 28	2°37'35	25°19	11°18	15° 2	15° 0	2°18	0♋ 4	8°36	10°59	10°36	21°R34	19°44	23°18	22° 5	W19
T 20	22 21 25	3°35'52	8♌ 7	13° 4	16°16	15°40	2°18	0° 9	8°35	11° 0	10°38	21°33	19°41	23°24	22° 2	T 20
F 21	22 25 21	4°34'10	20°44	14°48	17°30	16°19	2°17	0°14	8°34	11° 1	10°40	21°30	19°38	23°31	22° 0	F 21
S 22	22 29 18	5°32'31	3♍10	16°32	18°44	16°59	2°D17	0°18	8°33	11° 1	10°42	21°24	19°35	23°38	21°57	S 22
S 23	22 33 15	6°30'53	15°27	18°14	19°58	17°39	2°17	0°23	8°32	11° 2	10°44	21°17	19°32	23°45	21°55	S 23
M24	22 37 11	7°29'17	27°35	19°55	21°12	18°20	2°18	0°28	8°31	11° 2	10°46	21° 8	19°28	23°51	21°52	M24
T 25	22 41 8	8°27'43	9♎35	21°35	22°26	19° 0	2°18	0°32	8°30	11° 3	10°49	20°59	19°25	23°58	21°49	T 25
W26	22 45 4	9°26'11	21°30	23°14	23°41	19°40	2°19	0°36	8°30	11° 3	10°51	20°51	19°22	24° 5	21°46	W26
T 27	22 49 1	10°24'40	3♏21	24°52	24°55	20°20	2°20	0°41	8°29	11° 3	10°53	20°44	19°19	24°12	21°44	T 27
F 28	22 52 57	11°23'11	15°13	26°29	26° 9	21° 1	2°21	0°45	8°28	11° 4	10°55	20°38	19°16	24°18	21°41	F 28
S 29	22 56 54	12°21'44	27° 8	28° 4	27°24	21°41	2°22	0°49	8°28	11° 4	10°57	20°35	19°13	24°25	21°38	S 29
S 30	23 0 50	13°20'19	9♐11	29°39	28°38	22°22	2°23	0°53	8°27	11° 4	10°59	20°D33	19° 9	24°32	21°36	S 30
M31	23 4 47	14♍18'55	21♐27	1♎13	29♌52	23♎ 2	2♑25	0♋57	8♑26	11♊ 5	11♎ 1	20♋33	19♋ 6	24♎38	21♓33	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n20	13s 3	4n40	20n 7	1n29	21n52	0n18	1s 3	0n17	23s43	0s13	22n36	0s56	23s38	0s25	20n41	1s29	11n29	16n52	21n45	21n56	3s34	0n51	4n 4
S 2	16 3	16 29	4 4	19 41	1 34	21 42	0 21	1 19	0 16	23 43	0 13	22 36	0 56	23 38	0 25	20 41	1 29	11 28	16 51	21 45	21 57	3 36	0 50	4 4
M 3	15 45	19 16	3 16	19 12	1 38	21 31	0 23	1 35	0 15	23 44	0 13	22 36	0 56	23 38	0 25	20 41	1 29	11 27	16 51	21 45	21 57	3 39	0 50	4 4
T 4	15 28	21 12	2 17	18 42	1 41	21 20	0 26	1 51	0 15	23 44	0 13	22 36	0 56	23 39	0 25	20 41	1 29	11 26	16 50	21 45	21 58	3 41	0 49	4 4
W 5	15 10	22 4	1 10	18 9	1 43	21 8	0 28	2 7	0 14	23 44	0 13	22 36	0 56	23 39	0 25	20 41	1 29	11 25	16 50	21 45	21 58	3 44	0 48	4 4
T 6	14 52	21 42	0s 3	17 35	1 45	20 56	0 30	2 23	0 13	23 44	0 14	22 36	0 56	23 39	0 25	20 42	1 29	11 24	16 49	21 45	21 59	3 46	0 47	4 4
F 7	14 33	20 3	1 17	16 59	1 46	20 42	0 33	2 39	0 12	23 44	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 23	16 49	21 45	21 59	3 49	0 47	4 4
S 8	14 14	17 7	2 29	16 21	1 46	20 29	0 35	2 55	0 12	23 44	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 22	16 49	21 45	22 0	3 51	0 46	4 4
S 9	13 55	13 5	3 33	15 43	1 46	20 14	0 38	3 12	0 11	23 45	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 21	16 48	21 46	22 0	3 54	0 45	4 4
M10	13 36	8 14	4 24	15 3	1 45	19 59	0 40	3 28	0 10	23 45	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 20	16 48	21 46	22 1	3 56	0 44	4 4
T 11	13 17	2 52	4 57	14 22	1 43	19 44	0 42	3 44	0 9	23 45	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 19	16 47	21 47	22 1	3 59	0 43	4 4
W12	12 57	2n37	5 11	13 40	1 41	19 28	0 44	4 0	0 9	23 45	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 18	16 47	21 48	22 1	4 1	0 42	4 4
T 13	12 38	7 55	5 5	12 57	1 39	19 11	0 46	4 16	0 8	23 45	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 17	16 47	21 48	22 2	4 4	0 41	4 4
F 14	12 18	12 43	4 39	12 13	1 36	18 54	0 49	4 32	0 7	23 45	0 14	22 37	0 55	23 39	0 25	20 42	1 29	11 16	16 46	21 49	22 2	4 6	0 40	4 4
S 15	11 57	16 43	3 58	11 30	1 32	18 36	0 51	4 48	0 6	23 45	0 14	22 37	0 55	23 40	0 25	20 42	1 29	11 14	16 46	21 49	22 3	4 9	0 39	4 4
S 16	11 37	19 43	3 3	10 45	1 28	18 17	0 53	5 4	0 6	23 46	0 15	22 37	0 55	23 40	0 25	20 42	1 29	11 13	16 46	21 48	22 3	4 11	0 38	4 4
M17	11 17	21 33	1 59	10 0	1 24	17 59	0 55	5 21	0 5	23 46	0 15	22 37	0 55	23 40	0 24	20 42	1 29	11 12	16 45	21 48	22 4	4 14	0 37	4 5
T 18	10 56	22 8	0 50	9 15	1 19	17 39	0 57	5 37	0 4	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 29	11 11	16 45	21 48	22 4	4 16	0 36	4 5
W19	10 35	21 30	0n20	8 30	1 14	17 19	0 58	5 53	0 3	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 29	11 10	16 45	21 48	22 5	4 19	0 35	4 5
T 20	10 14	19 44	1 28	7 44	1 8	16 59	1 0	6 9	0 3	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 29	11 9	16 44	21 48	22 5	4 21	0 34	4 5
F 21	9 52	17 2	2 31	6 58	1 3	16 38	1 2	6 25	0 2	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 29	11 8	16 44	21 49	22 6	4 24	0 33	4 5
S 22	9 31	13 34	3 25	6 13	0 57	16 17	1 4	6 41	0 1	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 29	11 7	16 44	21 50	22 6	4 26	0 32	4 5
S 23	9 9	9 35	4 9	5 27	0 51	15 55	1 5	6 57	0 1	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 29	11 6	16 43	21 51	22 7	4 29	0 31	4 5
M24	8 48	5 16	4 42	4 41	0 44	15 33	1 7	7 13	0s 0	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 30	11 5	16 43	21 52	22 7	4 31	0 30	4 5
T 25	8 26	0 48	5 1	3 56	0 38	15 10	1 9	7 29	0 1	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 30	11 4	16 43	21 53	22 7	4 34	0 29	4 5
W26	8 4	3s41	5 7	3 10	0 31	14 47	1 10	7 45	0 2	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 30	11 3	16 42	21 55	22 8	4 36	0 28	4 5
T 27	7 42	7 59	4 59	2 25	0 24	14 23	1 11	8 1	0 2	23 46	0 15	22 37	0 55	23 40	0 24	20 43	1 30	11 2	16 42	21 56	22 8	4 39	0 27	4 5
F 28	7 19	12 1	4 39	1 40	0 17	14 0	1 13	8 17	0 3	23 47	0 16	22 37	0 55	23 40	0 24	20 43	1 30	11 1	16 42	21 57	22 9	4 42	0 26	4 5
S 29	6 57	15 35	4 7	0 56	0 10	13 35	1 14	8 33	0 4	23 47	0 16	22 37	0 55	23 40	0 24	20 43	1 30	11 0	16 42	21 57	22 9	4 44	0 25	4 5
S 30	6 34	18 34	3 23	0 11	0 3	13 10	1 15	8 48	0 4	23 47	0 16	22 37	0 55	23 40	0 24	20 43	1 30	10 58	16 41	21 57	22 10	4 47	0 24	4 4
M31	6n12	20s46	2n30	0s33	0s 4	12n45	1n17	9s 4	0s 5	23s47	0s16	22n37	0s55	23s40	0s24	20n43	1s30	10n57	16n41	21n57	22n10	4s49	0n23	4n 4

Julian Day Number = 2173084.5, Delta T = 12m08s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'31, Lahiri = 13°13'31 Julian Calendar 1 Aug. 1237 == Greg. Calendar 8 Aug. 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

SEPTEMBER 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 43	15♍17'33	4♑ 2	2♎45	1♍ 7	23♎43	2♑27	1♋ 1	8°R26	11♊ 5	11♎ 4	20♋34	19♋ 3	24♎45	21°R30	T 1
W 2	23 12 40	16°16'13	16°59	4°17	2°21	24°24	2°29	1° 5	8♑25	11° 5	11° 6	20°R35	19° 0	24°52	21♓27	W 2
T 3	23 16 37	17°14'54	0♒23	5°47	3°36	25° 5	2°31	1° 8	8°25	11° 5	11° 8	20°35	18°57	24°59	21°24	T 3
F 4	23 20 33	18°13'37	14°15	7°17	4°50	25°45	2°33	1°12	8°25	11° 5	11°10	20°32	18°53	25° 5	21°22	F 4
S 5	23 24 30	19°12'22	28°35	8°46	6° 5	26°26	2°36	1°16	8°24	11° 5	11°13	20°28	18°50	25°12	21°19	S 5
S 6	23 28 26	20°11'09	13♓19	10°13	7°19	27° 7	2°39	1°19	8°24	11° 5	11°15	20°21	18°47	25°19	21°16	S 6
M 7	23 32 23	21° 9'58	28°19	11°40	8°34	27°49	2°42	1°22	8°24	11°R 5	11°17	20°12	18°44	25°25	21°13	M 7
T 8	23 36 19	22° 8'49	13♈27	13° 5	9°48	28°30	2°45	1°25	8°24	11° 5	11°19	20° 3	18°41	25°32	21°11	T 8
W 9	23 40 16	23° 7'42	28°32	14°29	11° 3	29°11	2°48	1°29	8°24	11° 5	11°22	19°54	18°38	25°39	21° 8	W 9
T 10	23 44 12	24° 6'37	13♉25	15°53	12°18	29°52	2°51	1°32	8°D24	11° 5	11°24	19°46	18°34	25°46	21° 5	T 10
F 11	23 48 9	25° 5'35	27°59	17°15	13°32	0♏34	2°55	1°34	8°24	11° 5	11°26	19°41	18°31	25°52	21° 2	F 11
S 12	23 52 6	26° 4'35	12♊ 9	18°36	14°47	1°15	2°59	1°37	8°24	11° 5	11°29	19°38	18°28	25°59	20°59	S 12
S 13	23 56 2	27° 3'38	25°55	19°56	16° 2	1°57	3° 3	1°40	8°24	11° 5	11°31	19°D38	18°25	26° 6	20°57	S 13
M14	23 59 59	28° 2'43	9♋19	21°14	17°17	2°38	3° 7	1°43	8°24	11° 4	11°33	19°38	18°22	26°13	20°54	M14
T 15	0 3 55	29° 1'50	22°22	22°31	18°32	3°20	3°12	1°45	8°24	11° 4	11°36	19°R38	18°19	26°19	20°51	T 15
W16	0 7 52	0♎ 0'59	5♌ 8	23°47	19°47	4° 2	3°16	1°48	8°24	11° 4	11°38	19°37	18°15	26°26	20°48	W16
T 17	0 11 48	1° 0'11	17°40	25° 2	21° 1	4°43	3°21	1°50	8°25	11° 4	11°40	19°34	18°12	26°33	20°46	T 17
F 18	0 15 45	1°59'25	0♍ 1	26°14	22°16	5°25	3°26	1°52	8°25	11° 3	11°43	19°28	18° 9	26°39	20°43	F 18
S 19	0 19 41	2°58'42	12°14	27°26	23°31	6° 7	3°31	1°54	8°26	11° 3	11°45	19°19	18° 6	26°46	20°40	S 19
S 20	0 23 38	3°58'00	24°19	28°35	24°46	6°49	3°36	1°56	8°26	11° 2	11°48	19° 7	18° 3	26°53	20°38	S 20
M21	0 27 35	4°57'20	6♎19	29°42	26° 1	7°31	3°41	1°58	8°26	11° 2	11°50	18°54	17°59	27° 0	20°35	M21
T 22	0 31 31	5°56'43	18°15	0♏48	27°16	8°14	3°47	2° 0	8°27	11° 1	11°52	18°40	17°56	27° 6	20°32	T 22
W23	0 35 28	6°56'08	0♏ 7	1°51	28°31	8°56	3°53	2° 1	8°28	11° 1	11°55	18°26	17°53	27°13	20°30	W23
T 24	0 39 24	7°55'34	11°58	2°52	29°46	9°38	3°59	2° 3	8°28	11° 0	11°57	18°14	17°50	27°20	20°27	T 24
F 25	0 43 21	8°55'03	23°49	3°49	1♎ 1	10°21	4° 5	2° 4	8°29	11° 0	11°59	18° 4	17°47	27°26	20°24	F 25
S 26	0 47 17	9°54'33	5♐44	4°44	2°16	11° 3	4°11	2° 6	8°30	10°59	12° 2	17°57	17°44	27°33	20°22	S 26
S 27	0 51 14	10°54'06	17°45	5°36	3°32	11°46	4°17	2° 7	8°31	10°58	12° 4	17°53	17°40	27°40	20°19	S 27
M28	0 55 10	11°53'40	29°59	6°24	4°47	12°28	4°24	2° 8	8°32	10°58	12° 7	17°51	17°37	27°47	20°17	M28
T 29	0 59 7	12°53'16	12♑28	7° 9	6° 2	13°11	4°31	2° 9	8°32	10°57	12° 9	17°50	17°34	27°53	20°14	T 29
W30	1 3 3	13♎52'54	25♑19	7♏49	7♎17	13♏54	4♑38	2♋10	8♑33	10♊56	12♎12	17♋50	17♋31	28♎ 0	20♓12	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n49	22s 1	1n28	1s17	0s12	12n20	1n18	9s20	0s 6	23s47	0s16	22n37	0s55	23s40	0s24	20n43	1s30	10n56	16n41	21n57	22n11	4s52	0n21	4n 4
W 2	5 26	22 8	0 19	2 0	0 19	11 54	1 19	9 36	0 7	23 47	0 16	22 37	0 55	23 40	0 24	20 43	1 30	10 55	16 41	21 57	22 11	4 54	0 20	4 4
T 3	5 3	21 0	0s52	2 43	0 27	11 28	1 20	9 51	0 7	23 47	0 16	22 36	0 55	23 40	0 24	20 43	1 30	10 54	16 40	21 57	22 12	4 57	0 19	4 4
F 4	4 40	18 35	2 3	3 26	0 34	11 2	1 21	10 7	0 8	23 47	0 16	22 36	0 55	23 40	0 24	20 43	1 30	10 53	16 40	21 58	22 12	4 59	0 18	4 4
S 5	4 17	14 57	3 8	4 8	0 42	10 35	1 21	10 23	0 9	23 47	0 16	22 36	0 56	23 40	0 24	20 43	1 30	10 52	16 40	21 58	22 12	5 2	0 17	4 4
S 6	3 54	10 19	4 3	4 49	0 50	10 8	1 22	10 38	0 9	23 47	0 16	22 36	0 56	23 40	0 24	20 43	1 30	10 51	16 40	21 59	22 13	5 4	0 16	4 4
M 7	3 31	4 59	4 42	5 30	0 57	9 40	1 23	10 54	0 10	23 47	0 16	22 36	0 56	23 40	0 24	20 43	1 30	10 50	16 40	22 1	22 13	5 7	0 15	4 4
T 8	3 8	0n42	5 1	6 11	1 5	9 13	1 24	11 9	0 11	23 47	0 16	22 36	0 56	23 40	0 24	20 43	1 30	10 49	16 39	22 2	22 14	5 9	0 13	4 4
W 9	2 44	6 19	5 0	6 51	1 12	8 45	1 24	11 24	0 11	23 47	0 16	22 36	0 56	23 40	0 24	20 42	1 30	10 48	16 39	22 3	22 14	5 12	0 12	4 4
T 10	2 21	11 30	4 38	7 30	1 20	8 17	1 25	11 40	0 12	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 30	10 47	16 39	22 4	22 15	5 14	0 11	4 4
F 11	1 57	15 55	3 59	8 9	1 27	7 49	1 25	11 55	0 13	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 30	10 46	16 39	22 5	22 15	5 17	0 10	4 4
S 12	1 34	19 17	3 5	8 46	1 35	7 20	1 26	12 10	0 13	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 30	10 45	16 39	22 6	22 16	5 19	0 9	4 4
S 13	1 10	21 26	2 3	9 24	1 42	6 51	1 26	12 25	0 14	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 30	10 44	16 39	22 6	22 16	5 22	0 8	4 4
M14	0 47	22 18	0 55	10 0	1 49	6 22	1 26	12 40	0 15	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 30	10 43	16 39	22 6	22 16	5 24	0 6	4 4
T 15	0 23	21 55	0n14	10 36	1 56	5 53	1 27	12 55	0 15	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 30	10 42	16 38	22 6	22 17	5 27	0 5	4 3
W16	0s 0	20 23	1 21	11 10	2 3	5 24	1 27	13 10	0 16	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 31	10 41	16 38	22 6	22 17	5 29	0 4	4 3
T 17	0 24	17 52	2 23	11 44	2 10	4 54	1 27	13 25	0 17	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 31	10 40	16 38	22 6	22 18	5 32	0 3	4 3
F 18	0 48	14 34	3 17	12 17	2 16	4 24	1 27	13 39	0 17	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 31	10 39	16 38	22 7	22 18	5 34	0 2	4 3
S 19	1 11	10 42	4 0	12 49	2 23	3 55	1 27	13 54	0 18	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 31	10 38	16 38	22 8	22 19	5 37	0 1	4 3
S 20	1 35	6 26	4 33	13 20	2 29	3 25	1 27	14 8	0 19	23 47	0 17	22 36	0 56	23 40	0 24	20 42	1 31	10 37	16 38	22 10	22 19	5 40	0s 1	4 3
M21	1 59	1 58	4 53	13 49	2 35	2 55	1 26	14 23	0 19	23 46	0 17	22 36	0 56	23 40	0 24	20 41	1 31	10 36	16 38	22 12	22 19	5 42	0 2	4 3
T 22	2 22	2s34	5 0	14 18	2 40	2 24	1 26	14 37	0 20	23 46	0 17	22 36	0 56	23 40	0 24	20 41	1 31	10 35	16 38	22 14	22 20	5 45	0 3	4 3
W23	2 46	6 58	4 54	14 45	2 46	1 54	1 26	14 51	0 20	23 46	0 17	22 36	0 56	23 40	0 24	20 41	1 31	10 34	16 38	22 16	22 20	5 47	0 4	4 3
T 24	3 9	11 7	4 35	15 11	2 50	1 24	1 25	15 6	0 21	23 46	0 17	22 36	0 56	23 40	0 24	20 41	1 31	10 33	16 38	22 17	22 21	5 50	0 5	4 2
F 25	3 33	14 51	4 4	15 35	2 55	0 53	1 25	15 20	0 22	23 46	0 18	22 36	0 56	23 40	0 24	20 41	1 31	10 32	16 38	22 19	22 21	5 52	0 6	4 2
S 26	3 56	18 1	3 23	15 58	2 59	0 23	1 24	15 33	0 22	23 46	0 18	22 36	0 56	23 40	0 24	20 41	1 31	10 31	16 38	22 20	22 21	5 55	0 7	4 2
S 27	4 20	20 27	2 32	16 19	3 3	0s 7	1 24	15 47	0 23	23 46	0 18	22 36	0 56	23 40	0 24	20 41	1 31	10 30	16 38	22 20	22 22	5 57	0 9	4 2
M28	4 43	21 59	1 33	16 38	3 6	0 38	1 23	16 1	0 24	23 46	0 18	22 36	0 56	23 40	0 24	20 41	1 31	10 29	16 38	22 21	22 22	6 0	0 10	4 2
T 29	5 7	22 29	0 28	16 55	3 8	1 9	1 23	16 15	0 24	23 45	0 18	22 35	0 56	23 40	0 24	20 41	1 31	10 28	16 38	22 21	22 23	6 2	0 11	4 2
W30	5s30	21s48	0s39	17s10	3s10	1s39	1n22	16s28	0s25	23s45	0s18	22n35	0s56	23s40	0s24	20n40	1s31	10n28	16n38	22n21	22n23	6s 5	0s12	4n 2

Julian Day Number = 2173115.5, Delta T = 12m08s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'35, Lahiri = 13°13'35 Julian Calendar 1 Sept. 1237 == Greg. Calendar 8 Sept. 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

OCTOBER 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 7 0	14♎52'33	8♒36	8♏24	8♎32	14♏36	4♑45	2♋11	8♑34	10°R56	12♎14	17°R49	17♋28	28♎ 7	20°R 9	T 1
F 2	1 10 57	15°52'14	22°23	8°54	9°47	15°19	4°52	2°11	8°36	10♊55	12°16	17♋46	17°24	28°14	20♓ 7	F 2
S 3	1 14 53	16°51'57	6♓39	9°18	11° 2	16° 2	4°59	2°12	8°37	10°54	12°19	17°41	17°21	28°20	20° 4	S 3
S 4	1 18 50	17°51'42	21°24	9°36	12°18	16°45	5° 6	2°12	8°38	10°53	12°21	17°32	17°18	28°27	20° 2	S 4
M 5	1 22 46	18°51'29	6♈31	9°46	13°33	17°28	5°14	2°12	8°39	10°52	12°23	17°22	17°15	28°34	20° 0	M 5
T 6	1 26 43	19°51'17	21°50	9°R50	14°48	18°11	5°22	2°13	8°40	10°51	12°26	17°10	17°12	28°40	19°57	T 6
W 7	1 30 39	20°51'08	7♉11	9°45	16° 3	18°54	5°30	2°R13	8°42	10°50	12°28	16°59	17° 9	28°47	19°55	W 7
T 8	1 34 36	21°51'00	22°21	9°32	17°18	19°38	5°38	2°13	8°43	10°49	12°31	16°50	17° 5	28°54	19°53	T 8
F 9	1 38 32	22°50'55	7♊11	9°10	18°34	20°21	5°46	2°13	8°44	10°48	12°33	16°43	17° 2	29° 1	19°50	F 9
S 10	1 42 29	23°50'52	21°35	8°39	19°49	21° 4	5°54	2°12	8°46	10°47	12°35	16°39	16°59	29° 7	19°48	S 10
S 11	1 46 26	24°50'52	5♋31	7°58	21° 4	21°48	6° 3	2°12	8°47	10°46	12°38	16°37	16°56	29°14	19°46	S 11
M12	1 50 22	25°50'53	18°58	7° 9	22°20	22°31	6°11	2°12	8°49	10°45	12°40	16°37	16°53	29°21	19°44	M12
T 13	1 54 19	26°50'57	2♌ 1	6°11	23°35	23°15	6°20	2°11	8°51	10°44	12°42	16°37	16°50	29°27	19°42	T 13
W14	1 58 15	27°51'03	14°43	5° 5	24°50	23°58	6°29	2°10	8°52	10°43	12°45	16°36	16°46	29°34	19°40	W14
T 15	2 2 12	28°51'11	27° 7	3°53	26° 6	24°42	6°38	2° 9	8°54	10°42	12°47	16°33	16°43	29°41	19°38	T 15
F 16	2 6 8	29°51'21	9♍20	2°37	27°21	25°26	6°47	2° 8	8°56	10°41	12°49	16°27	16°40	29°48	19°36	F 16
S 17	2 10 5	0♏51'33	21°23	1°18	28°36	26°10	6°56	2° 7	8°57	10°39	12°52	16°18	16°37	29°54	19°34	S 17
S 18	2 14 1	1°51'47	3♎21	29♎59	29°52	26°54	7° 5	2° 6	8°59	10°38	12°54	16° 7	16°34	0♏ 1	19°32	S 18
M19	2 17 58	2°52'03	15°15	28°44	1♏ 7	27°38	7°15	2° 5	9° 1	10°37	12°56	15°54	16°30	0° 8	19°30	M19
T 20	2 21 55	3°52'21	27° 7	27°34	2°22	28°22	7°25	2° 4	9° 3	10°36	12°59	15°39	16°27	0°14	19°28	T 20
W21	2 25 51	4°52'40	8♏59	26°31	3°38	29° 6	7°34	2° 2	9° 5	10°34	13° 1	15°26	16°24	0°21	19°27	W21
T 22	2 29 48	5°53'02	20°52	25°37	4°53	29°50	7°44	2° 1	9° 7	10°33	13° 3	15°13	16°21	0°28	19°25	T 22
F 23	2 33 44	6°53'25	2♐47	24°54	6° 9	0♐34	7°54	1°59	9° 9	10°32	13° 5	15° 4	16°18	0°35	19°23	F 23
S 24	2 37 41	7°53'50	14°46	24°22	7°24	1°18	8° 4	1°57	9°11	10°30	13° 8	14°57	16°15	0°41	19°22	S 24
S 25	2 41 37	8°54'16	26°52	24° 1	8°39	2° 3	8°14	1°55	9°13	10°29	13°10	14°52	16°11	0°48	19°20	S 25
M26	2 45 34	9°54'44	9♑ 9	23°D53	9°55	2°47	8°25	1°53	9°15	10°28	13°12	14°D51	16° 8	0°55	19°19	M26
T 27	2 49 30	10°55'13	21°39	23°55	11°10	3°31	8°35	1°51	9°18	10°26	13°14	14°51	16° 5	1° 2	19°17	T 27
W28	2 53 27	11°55'44	4♒27	24° 8	12°26	4°16	8°45	1°49	9°20	10°25	13°17	14°51	16° 2	1° 8	19°16	W28
T 29	2 57 24	12°56'16	17°37	24°31	13°41	5° 1	8°56	1°47	9°22	10°23	13°19	14°R51	15°59	1°15	19°14	T 29
F 30	3 1 20	13°56'49	1♓13	25° 4	14°57	5°45	9° 7	1°44	9°25	10°22	13°21	14°50	15°55	1°22	19°13	F 30
S 31	3 5 17	14♏57'23	15♓17	25♎44	16♏12	6♐30	9♑18	1♋42	9♑27	10♊20	13♎23	14♋46	15♋52	1♏28	19♓12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s53	19s55	1s47	17s22	3s11	2s10	1n21	16s41	0s25	23s45	0s18	22n35	0s56	23s39	0s24	20n40	1s31	10n27	16n38	22n21	22n24	6s 7	0s13	4n 1
F 2	6 16	16 49	2 51	17 32	3 11	2 40	1 20	16 55	0 26	23 45	0 18	22 35	0 56	23 39	0 24	20 40	1 31	10 26	16 38	22 21	22 24	6 10	0 14	4 1
S 3	6 39	12 37	3 47	17 39	3 10	3 10	1 19	17 8	0 27	23 45	0 18	22 35	0 56	23 39	0 24	20 40	1 31	10 25	16 38	22 22	22 24	6 12	0 15	4 1
S 4	7 2	7 33	4 30	17 43	3 9	3 41	1 18	17 21	0 27	23 44	0 18	22 35	0 56	23 39	0 24	20 40	1 31	10 24	16 38	22 23	22 25	6 15	0 16	4 1
M 5	7 25	1 55	4 55	17 44	3 6	4 11	1 17	17 34	0 28	23 44	0 18	22 35	0 56	23 39	0 24	20 40	1 31	10 23	16 38	22 24	22 25	6 17	0 18	4 1
T 6	7 48	3n55	4 59	17 41	3 2	4 41	1 16	17 46	0 28	23 44	0 18	22 35	0 56	23 39	0 24	20 39	1 31	10 22	16 38	22 26	22 26	6 20	0 19	4 0
W 7	8 10	9 31	4 42	17 35	2 56	5 12	1 15	17 59	0 29	23 44	0 18	22 35	0 56	23 39	0 24	20 39	1 31	10 22	16 38	22 27	22 26	6 22	0 20	4 0
T 8	8 33	14 29	4 5	17 24	2 49	5 42	1 13	18 11	0 30	23 43	0 18	22 35	0 56	23 39	0 24	20 39	1 31	10 21	16 38	22 28	22 26	6 25	0 21	4 0
F 9	8 55	18 27	3 12	17 8	2 40	6 12	1 12	18 24	0 30	23 43	0 18	22 35	0 56	23 39	0 24	20 39	1 31	10 20	16 38	22 29	22 27	6 27	0 22	4 0
S 10	9 18	21 8	2 8	16 48	2 30	6 41	1 11	18 36	0 31	23 43	0 18	22 35	0 56	23 39	0 24	20 39	1 31	10 19	16 38	22 30	22 27	6 30	0 23	4 0
S 11	9 40	22 27	0 58	16 24	2 18	7 11	1 9	18 48	0 31	23 42	0 19	22 35	0 56	23 38	0 24	20 39	1 31	10 18	16 38	22 30	22 28	6 33	0 24	4 0
M12	10 2	22 24	0n12	15 54	2 4	7 41	1 8	18 59	0 32	23 42	0 19	22 35	0 56	23 38	0 24	20 38	1 32	10 18	16 39	22 30	22 28	6 35	0 25	3 59
T 13	10 23	21 6	1 21	15 20	1 48	8 10	1 6	19 11	0 33	23 42	0 19	22 35	0 56	23 38	0 24	20 38	1 32	10 17	16 39	22 30	22 28	6 38	0 26	3 59
W14	10 45	18 46	2 23	14 42	1 31	8 39	1 5	19 23	0 33	23 41	0 19	22 35	0 56	23 38	0 24	20 38	1 32	10 16	16 39	22 30	22 29	6 40	0 27	3 59
T 15	11 7	15 36	3 17	14 0	1 13	9 8	1 3	19 34	0 34	23 41	0 19	22 35	0 56	23 38	0 24	20 38	1 32	10 15	16 39	22 30	22 29	6 43	0 28	3 59
F 16	11 28	11 49	4 1	13 15	0 53	9 37	1 2	19 45	0 34	23 41	0 19	22 35	0 56	23 38	0 24	20 38	1 32	10 14	16 39	22 31	22 30	6 45	0 29	3 58
S 17	11 49	7 36	4 33	12 29	0 32	10 5	1 0	19 56	0 35	23 40	0 19	22 35	0 56	23 38	0 24	20 37	1 32	10 14	16 39	22 32	22 30	6 48	0 30	3 58
S 18	12 10	3 9	4 53	11 42	0 12	10 34	0 58	20 7	0 35	23 40	0 19	22 35	0 56	23 38	0 24	20 37	1 32	10 13	16 39	22 34	22 30	6 50	0 31	3 58
M19	12 31	1s25	5 1	10 56	0n 9	11 2	0 56	20 18	0 36	23 39	0 19	22 35	0 56	23 37	0 24	20 37	1 32	10 12	16 40	22 35	22 31	6 53	0 32	3 58
T 20	12 52	5 54	4 55	10 12	0 29	11 30	0 55	20 28	0 36	23 39	0 19	22 36	0 56	23 37	0 24	20 37	1 32	10 12	16 40	22 37	22 31	6 55	0 33	3 58
W21	13 12	10 11	4 36	9 32	0 48	11 57	0 53	20 38	0 37	23 38	0 19	22 36	0 56	23 37	0 24	20 37	1 32	10 11	16 40	22 38	22 32	6 58	0 33	3 57
T 22	13 32	14 6	4 5	8 56	1 5	12 24	0 51	20 48	0 37	23 38	0 19	22 36	0 56	23 37	0 24	20 36	1 32	10 10	16 40	22 40	22 32	7 0	0 34	3 57
F 23	13 52	17 28	3 24	8 25	1 21	12 51	0 49	20 58	0 38	23 37	0 19	22 36	0 56	23 37	0 24	20 36	1 32	10 10	16 40	22 41	22 32	7 3	0 35	3 57
S 24	14 12	20 8	2 33	8 0	1 35	13 18	0 47	21 8	0 39	23 37	0 19	22 36	0 56	23 37	0 24	20 36	1 32	10 9	16 41	22 42	22 33	7 5	0 36	3 57
S 25	14 31	21 56	1 34	7 42	1 47	13 44	0 45	21 18	0 39	23 36	0 19	22 36	0 56	23 37	0 24	20 36	1 32	10 8	16 41	22 42	22 33	7 8	0 37	3 56
M26	14 51	22 43	0 30	7 29	1 58	14 10	0 43	21 27	0 40	23 36	0 19	22 36	0 56	23 36	0 24	20 36	1 32	10 8	16 41	22 42	22 33	7 10	0 38	3 56
T 27	15 10	22 23	0s36	7 22	2 6	14 36	0 41	21 36	0 40	23 35	0 19	22 36	0 56	23 36	0 24	20 35	1 32	10 7	16 41	22 42	22 34	7 13	0 38	3 56
W28	15 29	20 53	1 43	7 21	2 13	15 1	0 39	21 45	0 41	23 34	0 20	22 36	0 56	23 36	0 24	20 35	1 32	10 7	16 42	22 42	22 34	7 15	0 39	3 56
T 29	15 47	18 15	2 46	7 25	2 17	15 26	0 37	21 54	0 41	23 34	0 20	22 36	0 56	23 36	0 24	20 35	1 32	10 6	16 42	22 42	22 35	7 18	0 40	3 55
F 30	16 5	14 32	3 41	7 33	2 21	15 50	0 34	22 2	0 42	23 33	0 20	22 36	0 56	23 36	0 24	20 35	1 32	10 5	16 42	22 43	22 35	7 20	0 41	3 55
S 31	16s23	9s54	4s26	7s46	2n23	16s14	0n32	22s10	0s42	23s32	0s20	22n36	0s56	23s36	0s24	20n34	1s32	10n 5	16n43	22n43	22n35	7s23	0s41	3n55

Julian Day Number = 2173145.5, Delta T = 12m08s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'39, Lahiri = 13°13'39 Julian Calendar 1 Oct. 1237 == Greg. Calendar 8 Oct. 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

NOVEMBER 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 9 13	15♏57'59	29♓48	26♎32	17♏27	7♐15	9♑29	1°R39	9♑29	10°R19	13♎25	14°R40	15♋49	1♏35	19°R10	S 1
M 2	3 13 10	16°58'36	14♈43	27°26	18°43	7°59	9°40	1♋36	9°32	10♊17	13°27	14♋33	15°46	1°42	19♓ 9	M 2
T 3	3 17 6	17°59'14	29°55	28°25	19°58	8°44	9°51	1°33	9°34	10°16	13°29	14°24	15°43	1°49	19° 8	T 3
W 4	3 21 3	18°59'53	15♉13	29°30	21°14	9°29	10° 2	1°30	9°37	10°14	13°31	14°15	15°40	1°55	19° 7	W 4
T 5	3 24 59	20° 0'34	0♊26	0♏39	22°29	10°14	10°13	1°27	9°39	10°13	13°33	14° 7	15°36	2° 2	19° 6	T 5
F 6	3 28 56	21° 1'17	15°24	1°51	23°44	10°59	10°25	1°24	9°42	10°11	13°35	14° 2	15°33	2° 9	19° 5	F 6
S 7	3 32 53	22° 2'01	29°58	3° 7	25° 0	11°44	10°36	1°21	9°45	10° 9	13°37	13°59	15°30	2°15	19° 4	S 7
S 8	3 36 49	23° 2'46	14♋ 5	4°25	26°15	12°29	10°48	1°18	9°47	10° 8	13°39	13°D58	15°27	2°22	19° 3	S 8
M 9	3 40 46	24° 3'33	27°43	5°45	27°31	13°14	10°59	1°15	9°50	10° 6	13°41	13°59	15°24	2°29	19° 3	M 9
T 10	3 44 42	25° 4'22	10♌53	7° 8	28°46	14° 0	11°11	1°11	9°53	10° 5	13°43	14° 0	15°21	2°36	19° 2	T 10
W11	3 48 39	26° 5'12	23°39	8°32	0♐ 2	14°45	11°23	1° 8	9°56	10° 3	13°45	14°R 1	15°17	2°42	19° 1	W11
T 12	3 52 35	27° 6'04	6♍ 5	9°57	1°17	15°30	11°35	1° 4	9°58	10° 1	13°47	14° 0	15°14	2°49	19° 0	T 12
F 13	3 56 32	28° 6'56	18°16	11°24	2°33	16°16	11°47	1° 0	10° 1	10° 0	13°49	13°58	15°11	2°56	19° 0	F 13
S 14	4 0 28	29° 7'51	0♎16	12°52	3°48	17° 1	11°59	0°56	10° 4	9°58	13°51	13°53	15° 8	3° 2	18°59	S 14
S 15	4 4 25	0♐ 8'46	12°10	14°20	5° 3	17°47	12°11	0°53	10° 7	9°56	13°53	13°47	15° 5	3° 9	18°59	S 15
M16	4 8 22	1° 9'43	24° 2	15°49	6°19	18°32	12°23	0°49	10°10	9°55	13°54	13°39	15° 1	3°16	18°58	M16
T 17	4 12 18	2°10'41	5♏53	17°19	7°34	19°18	12°36	0°45	10°13	9°53	13°56	13°31	14°58	3°23	18°58	T 17
W18	4 16 15	3°11'41	17°46	18°49	8°50	20° 3	12°48	0°41	10°16	9°51	13°58	13°23	14°55	3°29	18°58	W18
T 19	4 20 11	4°12'41	29°44	20°20	10° 5	20°49	13° 1	0°37	10°19	9°50	14° 0	13°15	14°52	3°36	18°58	T 19
F 20	4 24 8	5°13'43	11♐47	21°51	11°21	21°35	13°13	0°32	10°22	9°48	14° 1	13°10	14°49	3°43	18°57	F 20
S 21	4 28 4	6°14'45	23°57	23°22	12°36	22°21	13°26	0°28	10°25	9°46	14° 3	13° 6	14°46	3°49	18°57	S 21
S 22	4 32 1	7°15'48	6♑16	24°54	13°52	23° 6	13°38	0°24	10°28	9°45	14° 5	13° 4	14°42	3°56	18°57	S 22
M23	4 35 57	8°16'52	18°44	26°26	15° 7	23°52	13°51	0°19	10°31	9°43	14° 6	13°D 4	14°39	4° 3	18°D57	M23
T 24	4 39 54	9°17'57	1♒25	27°58	16°23	24°38	14° 4	0°15	10°35	9°41	14° 8	13° 5	14°36	4°10	18°57	T 24
W25	4 43 51	10°19'02	14°20	29°30	17°38	25°24	14°17	0°10	10°38	9°39	14°10	13° 7	14°33	4°16	18°57	W25
T 26	4 47 47	11°20'07	27°32	1♐ 2	18°53	26°10	14°30	0° 6	10°41	9°38	14°11	13° 8	14°30	4°23	18°57	T 26
F 27	4 51 44	12°21'13	11♓ 4	2°35	20° 9	26°56	14°43	0° 1	10°44	9°36	14°13	13°R 9	14°27	4°30	18°58	F 27
S 28	4 55 40	13°22'19	24°57	4° 8	21°24	27°42	14°56	29♊57	10°47	9°34	14°14	13° 8	14°23	4°36	18°58	S 28
S 29	4 59 37	14°23'25	9♈11	5°40	22°40	28°28	15° 9	29°52	10°51	9°33	14°15	13° 6	14°20	4°43	18°58	S 29
M30	5 3 33	15♐24'32	23♈45	7♐13	23♐55	29♐15	15♑22	29♊47	10♑54	9♊31	14♎17	13♋ 3	14♋17	4♏50	18♓59	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s41	4s35	4s55	8s 3	2n24	16s38	0n30	22s19	0s43	23s32	0s20	22n36	0s56	23s35	0s24	20n34	1s32	10n 4	16n43	22n44	22n36	7s26	0s42	3n55
M 2	16 59	1n 8	5 5	8 22	2 23	17 1	0 28	22 26	0 43	23 31	0 20	22 36	0 56	23 35	0 24	20 34	1 32	10 4	16 43	22 44	22 36	7 28	0 43	3 54
T 3	17 16	6 54	4 54	8 45	2 22	17 24	0 25	22 34	0 44	23 30	0 20	22 36	0 56	23 35	0 24	20 34	1 32	10 3	16 43	22 45	22 36	7 31	0 44	3 54
W 4	17 32	12 17	4 22	9 10	2 19	17 46	0 23	22 41	0 44	23 29	0 20	22 36	0 56	23 35	0 24	20 33	1 32	10 3	16 44	22 46	22 37	7 33	0 44	3 54
T 5	17 49	16 53	3 32	9 37	2 16	18 8	0 21	22 49	0 45	23 29	0 20	22 36	0 56	23 35	0 24	20 33	1 32	10 2	16 44	22 47	22 37	7 36	0 45	3 54
F 6	18 5	20 18	2 27	10 5	2 13	18 29	0 19	22 56	0 45	23 28	0 20	22 36	0 56	23 34	0 24	20 33	1 32	10 2	16 44	22 48	22 38	7 38	0 45	3 53
S 7	18 21	22 18	1 15	10 35	2 8	18 50	0 16	23 2	0 46	23 27	0 20	22 36	0 55	23 34	0 24	20 33	1 32	10 2	16 45	22 48	22 38	7 41	0 46	3 53
S 8	18 37	22 48	0n 1	11 6	2 4	19 10	0 14	23 9	0 46	23 26	0 20	22 36	0 55	23 34	0 24	20 33	1 32	10 1	16 45	22 48	22 38	7 43	0 47	3 53
M 9	18 52	21 54	1 13	11 38	1 58	19 30	0 11	23 15	0 46	23 25	0 20	22 36	0 55	23 34	0 24	20 32	1 32	10 1	16 45	22 48	22 39	7 46	0 47	3 53
T 10	19 7	19 49	2 20	12 10	1 53	19 49	0 9	23 21	0 47	23 24	0 20	22 37	0 55	23 34	0 24	20 32	1 32	10 0	16 46	22 48	22 39	7 48	0 48	3 52
W11	19 21	16 48	3 17	12 43	1 47	20 8	0 7	23 27	0 47	23 23	0 20	22 37	0 55	23 33	0 24	20 32	1 32	10 0	16 46	22 48	22 39	7 51	0 48	3 52
T 12	19 35	13 5	4 4	13 16	1 41	20 26	0 4	23 32	0 48	23 22	0 20	22 37	0 55	23 33	0 24	20 32	1 32	10 0	16 47	22 48	22 40	7 53	0 49	3 52
F 13	19 49	8 55	4 38	13 49	1 34	20 43	0 2	23 37	0 48	23 21	0 21	22 37	0 55	23 33	0 24	20 31	1 32	9 59	16 47	22 48	22 40	7 56	0 49	3 52
S 14	20 3	4 28	5 0	14 22	1 27	21 0	0s 0	23 43	0 49	23 20	0 21	22 37	0 55	23 33	0 24	20 31	1 32	9 59	16 47	22 49	22 41	7 58	0 50	3 51
S 15	20 16	0s 6	5 8	14 55	1 21	21 17	0 3	23 47	0 49	23 19	0 21	22 37	0 55	23 32	0 24	20 31	1 32	9 59	16 48	22 49	22 41	8 1	0 50	3 51
M16	20 29	4 39	5 3	15 28	1 14	21 32	0 5	23 52	0 50	23 18	0 21	22 37	0 55	23 32	0 23	20 31	1 32	9 58	16 48	22 50	22 41	8 3	0 51	3 51
T 17	20 41	9 3	4 45	16 0	1 7	21 47	0 8	23 56	0 50	23 17	0 21	22 37	0 55	23 32	0 23	20 30	1 32	9 58	16 49	22 51	22 42	8 6	0 51	3 51
W18	20 53	13 7	4 15	16 32	1 0	22 2	0 10	24 0	0 50	23 16	0 21	22 37	0 55	23 32	0 23	20 30	1 32	9 58	16 49	22 52	22 42	8 8	0 51	3 50
T 19	21 4	16 42	3 33	17 4	0 52	22 16	0 12	24 4	0 51	23 15	0 21	22 37	0 55	23 31	0 23	20 30	1 32	9 57	16 49	22 52	22 42	8 11	0 52	3 50
F 20	21 16	19 37	2 42	17 34	0 45	22 29	0 15	24 7	0 51	23 14	0 21	22 37	0 55	23 31	0 23	20 30	1 32	9 57	16 50	22 53	22 43	8 13	0 52	3 50
S 21	21 26	21 42	1 42	18 5	0 38	22 41	0 17	24 10	0 52	23 12	0 21	22 37	0 55	23 31	0 23	20 29	1 32	9 57	16 50	22 53	22 43	8 16	0 52	3 49
S 22	21 37	22 46	0 37	18 34	0 31	22 53	0 20	24 13	0 52	23 11	0 21	22 37	0 55	23 31	0 23	20 29	1 32	9 57	16 51	22 54	22 43	8 18	0 53	3 49
M23	21 47	22 44	0s31	19 3	0 24	23 4	0 22	24 16	0 52	23 10	0 21	22 37	0 55	23 30	0 23	20 29	1 32	9 57	16 51	22 54	22 44	8 21	0 53	3 49
T 24	21 56	21 32	1 39	19 31	0 17	23 14	0 24	24 18	0 53	23 9	0 21	22 38	0 55	23 30	0 23	20 29	1 32	9 56	16 52	22 53	22 44	8 23	0 53	3 49
W25	22 5	19 11	2 43	19 58	0 10	23 24	0 27	24 21	0 53	23 7	0 21	22 38	0 55	23 30	0 23	20 28	1 32	9 56	16 52	22 53	22 44	8 26	0 53	3 48
T 26	22 14	15 49	3 40	20 25	0 3	23 33	0 29	24 22	0 54	23 6	0 21	22 38	0 55	23 30	0 23	20 28	1 32	9 56	16 53	22 53	22 45	8 28	0 53	3 48
F 27	22 22	11 32	4 26	20 50	0s 4	23 41	0 31	24 24	0 54	23 5	0 21	22 38	0 54	23 29	0 23	20 28	1 32	9 56	16 53	22 53	22 45	8 31	0 54	3 48
S 28	22 30	6 34	4 58	21 15	0 11	23 49	0 34	24 25	0 54	23 3	0 22	22 38	0 54	23 29	0 23	20 28	1 32	9 56	16 54	22 53	22 45	8 33	0 54	3 48
S 29	22 37	1 8	5 13	21 38	0 18	23 56	0 36	24 26	0 55	23 2	0 22	22 38	0 54	23 29	0 23	20 27	1 32	9 56	16 54	22 53	22 46	8 36	0 54	3 47
M30	22s44	4n29	5s 8	22s 1	0s25	24s 2	0s38	24s27	0s55	23s 0	0s22	22n38	0s54	23s29	0s23	20n27	1s32	9n56	16n55	22n54	22n46	8s39	0s54	3n47

Julian Day Number = 2173176.5, Delta T = 12m08s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'43, Lahiri = 13°13'44 Julian Calendar 1 Nov. 1237 == Greg. Calendar 8 Nov. 1237

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ASTRODIENST EPHEMERIS for the year 1237
geocentric

DECEMBER 1237 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 30	16♐25'39	8♉33	8♐47	25♐10	0♑ 1	15♑35	29°R43	10♑57	9°R29	14♎18	13°R 0	14♋14	4♏57	18♓59	T 1
W 2	5 11 26	17°26'46	23°30	10°20	26°26	0°47	15°49	29♊38	11° 1	9♊28	14°20	12♋56	14°11	5° 3	19° 0	W 2
T 3	5 15 23	18°27'54	8♊26	11°53	27°41	1°33	16° 2	29°33	11° 4	9°26	14°21	12°52	14° 7	5°10	19° 0	T 3
F 4	5 19 20	19°29'02	23°14	13°27	28°57	2°20	16°15	29°28	11° 7	9°24	14°22	12°50	14° 4	5°17	19° 1	F 4
S 5	5 23 16	20°30'11	7♋45	15° 1	0♑12	3° 6	16°29	29°23	11°11	9°23	14°24	12°D49	14° 1	5°23	19° 1	S 5
S 6	5 27 13	21°31'20	21°54	16°35	1°27	3°53	16°42	29°18	11°14	9°21	14°25	12°49	13°58	5°30	19° 2	S 6
M 7	5 31 9	22°32'30	5♌38	18° 9	2°43	4°39	16°56	29°13	11°17	9°19	14°26	12°50	13°55	5°37	19° 3	M 7
T 8	5 35 6	23°33'40	18°56	19°44	3°58	5°26	17° 9	29° 8	11°21	9°18	14°27	12°52	13°52	5°44	19° 4	T 8
W 9	5 39 2	24°34'50	1♍49	21°19	5°13	6°12	17°23	29° 4	11°24	9°16	14°28	12°53	13°48	5°50	19° 5	W 9
T 10	5 42 59	25°36'01	14°21	22°54	6°29	6°59	17°36	28°59	11°28	9°14	14°29	12°54	13°45	5°57	19° 6	T 10
F 11	5 46 56	26°37'12	26°36	24°29	7°44	7°45	17°50	28°54	11°31	9°13	14°30	12°R55	13°42	6° 4	19° 7	F 11
S 12	5 50 52	27°38'24	8♎39	26° 5	8°59	8°32	18° 4	28°49	11°35	9°11	14°32	12°54	13°39	6°10	19° 8	S 12
S 13	5 54 49	28°39'36	20°33	27°41	10°15	9°19	18°17	28°44	11°38	9° 9	14°33	12°53	13°36	6°17	19° 9	S 13
M14	5 58 45	29°40'48	2♏24	29°17	11°30	10° 5	18°31	28°39	11°42	9° 8	14°34	12°52	13°33	6°24	19°10	M14
T 15	6 2 42	0♑42'01	14°16	0♑54	12°45	10°52	18°45	28°34	11°45	9° 6	14°34	12°50	13°29	6°31	19°11	T 15
W16	6 6 38	1°43'14	26°12	2°31	14° 1	11°39	18°59	28°29	11°49	9° 5	14°35	12°48	13°26	6°37	19°12	W16
T 17	6 10 35	2°44'27	8♐15	4° 8	15°16	12°26	19°13	28°24	11°52	9° 3	14°36	12°46	13°23	6°44	19°14	T 17
F 18	6 14 31	3°45'40	20°27	5°46	16°31	13°13	19°27	28°19	11°56	9° 2	14°37	12°45	13°20	6°51	19°15	F 18
S 19	6 18 28	4°46'53	2♑51	7°24	17°47	13°59	19°41	28°14	11°59	9° 0	14°38	12°45	13°17	6°57	19°17	S 19
S 20	6 22 25	5°48'05	15°27	9° 3	19° 2	14°46	19°55	28° 9	12° 3	8°59	14°39	12°D45	13°13	7° 4	19°18	S 20
M21	6 26 21	6°49'18	28°15	10°42	20°17	15°33	20° 9	28° 4	12° 6	8°57	14°39	12°45	13°10	7°11	19°20	M21
T 22	6 30 18	7°50'30	11♒17	12°21	21°32	16°20	20°23	27°59	12°10	8°56	14°40	12°45	13° 7	7°18	19°21	T 22
W23	6 34 14	8°51'41	24°31	14° 1	22°48	17° 7	20°37	27°54	12°13	8°54	14°41	12°46	13° 4	7°24	19°23	W23
T 24	6 38 11	9°52'52	7♓59	15°41	24° 3	17°54	20°51	27°49	12°17	8°53	14°41	12°46	13° 1	7°31	19°24	T 24
F 25	6 42 7	10°54'03	21°40	17°22	25°18	18°41	21° 5	27°45	12°21	8°52	14°42	12°46	12°58	7°38	19°26	F 25
S 26	6 46 4	11°55'12	5♈34	19° 2	26°33	19°28	21°19	27°40	12°24	8°50	14°43	12°46	12°54	7°44	19°28	S 26
S 27	6 50 0	12°56'21	19°39	20°43	27°49	20°15	21°33	27°35	12°28	8°49	14°43	12°46	12°51	7°51	19°30	S 27
M28	6 53 57	13°57'29	3♉54	22°25	29° 4	21° 2	21°47	27°30	12°31	8°48	14°43	12°46	12°48	7°58	19°32	M28
T 29	6 57 54	14°58'36	18°18	24° 6	0♒19	21°50	22° 1	27°26	12°35	8°46	14°44	12°47	12°45	8° 5	19°34	T 29
W30	7 1 50	15°59'43	2♊45	25°48	1°34	22°37	22°15	27°21	12°38	8°45	14°44	12°47	12°42	8°11	19°36	W30
T 31	7 5 47	17♑ 0'49	17♊13	27♑30	2♒49	23♑24	22♑30	27♊17	12♑42	8♊44	14♎45	12♋47	12♋39	8♏18	19♓38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s51	9n57	4s43	22s22	0s31	24s 7	0s40	24s28	0s55	22s59	0s22	22n38	0s54	23s28	0s23	20n27	1s32	9n56	16n55	22n54	22n46	8s41	0s54	3n47
W 2	22 57	14 52	3 59	22 42	0 38	24 12	0 42	24 28	0 56	22 57	0 22	22 38	0 54	23 28	0 23	20 27	1 32	9 55	16 56	22 54	22 47	8 44	0 54	3 46
T 3	23 2	18 52	2 58	23 2	0 44	24 16	0 45	24 28	0 56	22 56	0 22	22 38	0 54	23 28	0 23	20 26	1 32	9 55	16 56	22 55	22 47	8 46	0 54	3 46
F 4	23 7	21 36	1 46	23 20	0 50	24 19	0 47	24 27	0 56	22 54	0 22	22 38	0 54	23 28	0 23	20 26	1 32	9 55	16 57	22 55	22 47	8 49	0 54	3 46
S 5	23 12	22 51	0 28	23 37	0 56	24 21	0 49	24 27	0 57	22 53	0 22	22 38	0 54	23 27	0 23	20 26	1 32	9 55	16 57	22 55	22 48	8 51	0 54	3 46
S 6	23 16	22 34	0n50	23 53	1 2	24 23	0 51	24 26	0 57	22 51	0 22	22 38	0 54	23 27	0 23	20 26	1 32	9 55	16 58	22 55	22 48	8 54	0 54	3 45
M 7	23 20	20 55	2 3	24 7	1 7	24 23	0 53	24 25	0 57	22 50	0 22	22 38	0 54	23 27	0 23	20 25	1 32	9 55	16 58	22 55	22 48	8 56	0 54	3 45
T 8	23 23	18 9	3 6	24 21	1 13	24 23	0 55	24 23	0 58	22 48	0 22	22 39	0 54	23 26	0 23	20 25	1 32	9 56	16 59	22 55	22 49	8 59	0 54	3 45
W 9	23 26	14 35	3 58	24 33	1 18	24 23	0 57	24 21	0 58	22 46	0 22	22 39	0 53	23 26	0 23	20 25	1 32	9 56	16 59	22 55	22 49	9 1	0 54	3 45
T 10	23 28	10 27	4 38	24 44	1 23	24 21	0 59	24 19	0 58	22 45	0 22	22 39	0 53	23 26	0 23	20 25	1 32	9 56	17 0	22 55	22 49	9 4	0 54	3 44
F 11	23 30	5 59	5 3	24 53	1 28	24 19	1 1	24 17	0 59	22 43	0 22	22 39	0 53	23 26	0 23	20 25	1 32	9 56	17 0	22 54	22 50	9 6	0 54	3 44
S 12	23 31	1 23	5 15	25 1	1 32	24 16	1 2	24 14	0 59	22 41	0 23	22 39	0 53	23 25	0 23	20 24	1 32	9 56	17 1	22 55	22 50	9 9	0 53	3 44
S 13	23 32	3s13	5 13	25 8	1 37	24 12	1 4	24 11	0 59	22 39	0 23	22 39	0 53	23 25	0 23	20 24	1 32	9 56	17 1	22 55	22 50	9 11	0 53	3 43
M14	23 32	7 41	4 58	25 13	1 41	24 8	1 6	24 8	0 59	22 38	0 23	22 39	0 53	23 25	0 23	20 24	1 32	9 56	17 2	22 55	22 51	9 14	0 53	3 43
T 15	23 32	11 53	4 30	25 17	1 45	24 3	1 8	24 5	1 0	22 36	0 23	22 39	0 53	23 24	0 23	20 24	1 32	9 56	17 2	22 55	22 51	9 16	0 53	3 43
W16	23 32	15 39	3 50	25 19	1 48	23 57	1 9	24 1	1 0	22 34	0 23	22 39	0 53	23 24	0 23	20 24	1 32	9 56	17 3	22 55	22 51	9 19	0 53	3 43
T 17	23 31	18 49	3 0	25 20	1 52	23 50	1 11	23 57	1 0	22 32	0 23	22 39	0 53	23 24	0 23	20 23	1 32	9 57	17 4	22 55	22 52	9 21	0 52	3 42
F 18	23 29	21 11	2 0	25 19	1 55	23 43	1 12	23 53	1 0	22 30	0 23	22 39	0 53	23 23	0 23	20 23	1 32	9 57	17 4	22 55	22 52	9 24	0 52	3 42
S 19	23 27	22 36	0 55	25 17	1 57	23 34	1 14	23 48	1 1	22 28	0 23	22 39	0 52	23 23	0 23	20 23	1 32	9 57	17 5	22 55	22 52	9 26	0 52	3 42
S 20	23 25	22 53	0s15	25 13	2 0	23 26	1 15	23 43	1 1	22 26	0 23	22 39	0 52	23 23	0 23	20 23	1 32	9 57	17 5	22 55	22 53	9 29	0 51	3 42
M21	23 22	21 59	1 25	25 8	2 2	23 16	1 17	23 38	1 1	22 24	0 23	22 39	0 52	23 22	0 24	20 23	1 32	9 58	17 6	22 55	22 53	9 31	0 51	3 41
T 22	23 18	19 54	2 32	25 0	2 3	23 6	1 18	23 33	1 1	22 22	0 23	22 39	0 52	23 22	0 24	20 22	1 32	9 58	17 6	22 55	22 53	9 34	0 51	3 41
W23	23 14	16 43	3 32	24 52	2 5	22 55	1 20	23 27	1 2	22 20	0 23	22 39	0 52	23 22	0 24	20 22	1 31	9 58	17 7	22 55	22 54	9 36	0 50	3 41
T 24	23 10	12 38	4 21	24 41	2 6	22 43	1 21	23 21	1 2	22 18	0 24	22 39	0 52	23 21	0 24	20 22	1 31	9 58	17 8	22 55	22 54	9 39	0 50	3 41
F 25	23 5	7 51	4 56	24 29	2 6	22 30	1 22	23 15	1 2	22 16	0 24	22 39	0 52	23 21	0 24	20 22	1 31	9 59	17 8	22 55	22 54	9 41	0 49	3 40
S 26	23 0	2 36	5 15	24 15	2 6	22 17	1 23	23 9	1 2	22 14	0 24	22 39	0 52	23 21	0 24	20 22	1 31	9 59	17 9	22 55	22 55	9 44	0 49	3 40
S 27	22 54	2n51	5 15	24 0	2 6	22 4	1 24	23 2	1 2	22 12	0 24	22 40	0 51	23 21	0 24	20 21	1 31	9 59	17 9	22 55	22 55	9 46	0 48	3 40
M28	22 48	8 14	4 56	23 43	2 5	21 49	1 25	22 55	1 3	22 10	0 24	22 40	0 51	23 20	0 24	20 21	1 31	10 0	17 10	22 55	22 55	9 49	0 48	3 40
T 29	22 42	13 12	4 19	23 24	2 3	21 34	1 26	22 48	1 3	22 7	0 24	22 40	0 51	23 20	0 24	20 21	1 31	10 0	17 10	22 55	22 55	9 51	0 47	3 39
W30	22 34	17 27	3 24	23 3	2 1	21 18	1 27	22 40	1 3	22 5	0 24	22 40	0 51	23 20	0 24	20 21	1 31	10 0	17 11	22 55	22 56	9 54	0 47	3 39
T 31	22s27	20n39	2s17	22s41	1s59	21s 2	1s28	22s32	1s 3	22s 3	0s24	22n40	0s51	23s19	0s24	20n21	1s31	10n 1	17n12	22n55	22n56	9s56	0s46	3n39

Julian Day Number = 2173206.5, Delta T = 12m08s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'47, Lahiri = 13°13'48 Julian Calendar 1 Dec. 1237 == Greg. Calendar 8 Dec. 1237

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

JANUARY 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 9 43	18♑ 1'53	1♋35	29♑11	4♒ 4	24♑11	22♑44	27°R12	12♑45	8°R42	14♎45	12♋47	12♋35	8♏25	19♓40	F 1
S 2	7 13 40	19° 2'58	15°46	0♒53	5°19	24°58	22°58	27♊ 8	12°49	8♊41	14°45	12°R48	12°32	8°31	19°42	S 2
S 3	7 17 36	20° 4'01	29°42	2°34	6°34	25°46	23°12	27° 3	12°52	8°40	14°46	12°47	12°29	8°38	19°44	S 3
M 4	7 21 33	21° 5'04	13♌20	4°14	7°50	26°33	23°26	26°59	12°56	8°39	14°46	12°47	12°26	8°45	19°46	M 4
T 5	7 25 29	22° 6'06	26°37	5°54	9° 5	27°20	23°41	26°55	13° 0	8°38	14°46	12°45	12°23	8°52	19°49	T 5
W 6	7 29 26	23° 7'07	9♍33	7°33	10°20	28° 7	23°55	26°51	13° 3	8°37	14°46	12°44	12°19	8°58	19°51	W 6
T 7	7 33 23	24° 8'07	22° 9	9°11	11°35	28°55	24° 9	26°46	13° 7	8°35	14°46	12°43	12°16	9° 5	19°53	T 7
F 8	7 37 19	25° 9'07	4♎28	10°46	12°50	29°42	24°23	26°42	13°10	8°34	14°46	12°41	12°13	9°12	19°56	F 8
S 9	7 41 16	26°10'06	16°33	12°20	14° 5	0♒29	24°37	26°38	13°14	8°33	14°46	12°40	12°10	9°18	19°58	S 9
S 10	7 45 12	27°11'05	28°29	13°52	15°19	1°16	24°52	26°34	13°17	8°32	14°R46	12°D40	12° 7	9°25	20° 0	S 10
M11	7 49 9	28°12'03	10♏21	15°20	16°34	2° 4	25° 6	26°31	13°21	8°31	14°46	12°41	12° 4	9°32	20° 3	M11
T 12	7 53 5	29°13'00	22°13	16°45	17°49	2°51	25°20	26°27	13°24	8°30	14°46	12°42	12° 0	9°38	20° 6	T 12
W13	7 57 2	0♒13'56	4♐10	18° 5	19° 4	3°39	25°34	26°23	13°27	8°29	14°46	12°43	11°57	9°45	20° 8	W13
T 14	8 0 58	1°14'51	16°16	19°21	20°19	4°26	25°48	26°19	13°31	8°29	14°46	12°45	11°54	9°52	20°11	T 14
F 15	8 4 55	2°15'46	28°36	20°31	21°34	5°13	26° 3	26°16	13°34	8°28	14°46	12°46	11°51	9°59	20°13	F 15
S 16	8 8 52	3°16'40	11♑11	21°34	22°49	6° 1	26°17	26°12	13°38	8°27	14°46	12°R47	11°48	10° 5	20°16	S 16
S 17	8 12 48	4°17'32	24° 4	22°30	24° 4	6°48	26°31	26° 9	13°41	8°26	14°46	12°46	11°45	10°12	20°19	S 17
M18	8 16 45	5°18'23	7♒14	23°19	25°18	7°36	26°45	26° 6	13°44	8°25	14°45	12°45	11°41	10°19	20°22	M18
T 19	8 20 41	6°19'13	20°41	23°58	26°33	8°23	26°59	26° 3	13°48	8°24	14°45	12°42	11°38	10°25	20°24	T 19
W20	8 24 38	7°20'02	4♓24	24°28	27°48	9°10	27°13	25°59	13°51	8°24	14°45	12°38	11°35	10°32	20°27	W20
T 21	8 28 34	8°20'49	18°18	24°48	29° 3	9°58	27°28	25°56	13°55	8°23	14°44	12°34	11°32	10°39	20°30	T 21
F 22	8 32 31	9°21'34	2♈21	24°R58	0♓17	10°45	27°42	25°54	13°58	8°22	14°44	12°31	11°29	10°46	20°33	F 22
S 23	8 36 27	10°22'18	16°29	24°57	1°32	11°33	27°56	25°51	14° 1	8°22	14°43	12°28	11°25	10°52	20°36	S 23
S 24	8 40 24	11°23'00	0♉40	24°45	2°47	12°20	28°10	25°48	14° 4	8°21	14°43	12°26	11°22	10°59	20°39	S 24
M25	8 44 21	12°23'41	14°50	24°22	4° 1	13° 8	28°24	25°45	14° 8	8°21	14°42	12°D25	11°19	11° 6	20°42	M25
T 26	8 48 17	13°24'19	28°59	23°50	5°16	13°55	28°38	25°43	14°11	8°20	14°42	12°26	11°16	11°12	20°45	T 26
W27	8 52 14	14°24'56	13♊ 3	23° 8	6°30	14°42	28°52	25°40	14°14	8°20	14°41	12°28	11°13	11°19	20°48	W27
T 28	8 56 10	15°25'32	27° 3	22°18	7°45	15°30	29° 6	25°38	14°17	8°19	14°41	12°29	11°10	11°26	20°51	T 28
F 29	9 0 7	16°26'05	10♋55	21°21	8°59	16°17	29°20	25°36	14°20	8°19	14°40	12°R30	11° 6	11°32	20°54	F 29
S 30	9 4 3	17°26'37	24°38	20°19	10°14	17° 5	29°34	25°34	14°23	8°18	14°39	12°29	11° 3	11°39	20°58	S 30
S 31	9 8 0	18♒27'07	8♌11	19♒14	11♓28	17♒52	29♑47	25♊32	14♑27	8♊18	14♎39	12♋27	11♋ 0	11♏46	21♓ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s19	22n30	1s 2	22s17	1s55	20s45	1s29	22s24	1s 3	22s 1	0s24	22n40	0s51	23s19	0s24	20n21	1s31	10n 1	17n12	22n55	22n56	9s59	0s45	3n39
S 2	22 11	22 52	0n17	21 52	1 52	20 28	1 29	22 16	1 3	21 58	0 24	22 40	0 51	23 19	0 24	20 20	1 31	10 2	17 13	22 55	22 57	10 1	0 45	3 38
S 3	22 2	21 48	1 32	21 24	1 47	20 9	1 30	22 7	1 4	21 56	0 24	22 40	0 50	23 18	0 24	20 20	1 31	10 2	17 13	22 55	22 57	10 4	0 44	3 38
M 4	21 53	19 28	2 41	20 56	1 42	19 51	1 31	21 58	1 4	21 54	0 24	22 40	0 50	23 18	0 24	20 20	1 31	10 3	17 14	22 55	22 57	10 6	0 44	3 38
T 5	21 43	16 8	3 40	20 26	1 36	19 31	1 31	21 49	1 4	21 51	0 25	22 40	0 50	23 18	0 24	20 20	1 31	10 3	17 15	22 55	22 58	10 9	0 43	3 38
W 6	21 33	12 7	4 25	19 54	1 30	19 12	1 32	21 40	1 4	21 49	0 25	22 40	0 50	23 17	0 24	20 20	1 31	10 4	17 15	22 56	22 58	10 11	0 42	3 38
T 7	21 22	7 40	4 56	19 21	1 22	18 51	1 32	21 30	1 4	21 47	0 25	22 40	0 50	23 17	0 24	20 20	1 31	10 4	17 16	22 56	22 58	10 14	0 42	3 37
F 8	21 11	3 0	5 13	18 47	1 14	18 30	1 32	21 21	1 4	21 44	0 25	22 40	0 50	23 17	0 24	20 20	1 31	10 5	17 16	22 56	22 58	10 16	0 41	3 37
S 9	21 0	1s40	5 16	18 13	1 5	18 9	1 32	21 10	1 4	21 42	0 25	22 40	0 50	23 16	0 24	20 20	1 31	10 5	17 17	22 56	22 59	10 18	0 40	3 37
S 10	20 48	6 14	5 5	17 37	0 55	17 47	1 33	21 0	1 4	21 39	0 25	22 40	0 49	23 16	0 24	20 19	1 31	10 6	17 17	22 56	22 59	10 21	0 39	3 37
M11	20 36	10 33	4 40	17 1	0 45	17 24	1 33	20 50	1 4	21 37	0 25	22 40	0 49	23 16	0 24	20 19	1 31	10 6	17 18	22 56	22 59	10 23	0 38	3 36
T 12	20 24	14 28	4 4	16 24	0 33	17 1	1 33	20 39	1 5	21 34	0 25	22 40	0 49	23 15	0 24	20 19	1 31	10 7	17 19	22 56	23 0	10 26	0 38	3 36
W13	20 11	17 50	3 17	15 48	0 21	16 38	1 33	20 28	1 5	21 32	0 25	22 40	0 49	23 15	0 24	20 19	1 31	10 7	17 19	22 56	23 0	10 28	0 37	3 36
T 14	19 58	20 29	2 21	15 12	0 7	16 14	1 33	20 17	1 5	21 29	0 25	22 40	0 49	23 15	0 24	20 19	1 31	10 8	17 20	22 55	23 0	10 31	0 36	3 36
F 15	19 44	22 14	1 17	14 36	0n 7	15 50	1 32	20 5	1 5	21 27	0 26	22 41	0 49	23 14	0 24	20 19	1 30	10 8	17 20	22 55	23 0	10 33	0 35	3 36
S 16	19 30	22 55	0 9	14 2	0 21	15 25	1 32	19 54	1 5	21 24	0 26	22 41	0 48	23 14	0 24	20 19	1 30	10 9	17 21	22 55	23 1	10 36	0 34	3 35
S 17	19 16	22 24	1s 2	13 29	0 37	15 0	1 32	19 42	1 5	21 21	0 26	22 41	0 48	23 13	0 24	20 19	1 30	10 10	17 21	22 55	23 1	10 38	0 33	3 35
M18	19 1	20 39	2 11	12 58	0 53	14 34	1 32	19 30	1 5	21 19	0 26	22 41	0 48	23 13	0 24	20 19	1 30	10 10	17 22	22 55	23 1	10 41	0 32	3 35
T 19	18 46	17 43	3 14	12 30	1 9	14 9	1 31	19 17	1 5	21 16	0 26	22 41	0 48	23 13	0 24	20 19	1 30	10 11	17 23	22 56	23 2	10 43	0 32	3 35
W20	18 31	13 46	4 7	12 4	1 26	13 42	1 31	19 5	1 5	21 14	0 26	22 41	0 48	23 13	0 24	20 19	1 30	10 11	17 23	22 56	23 2	10 46	0 31	3 35
T 21	18 15	9 1	4 46	11 41	1 43	13 16	1 30	18 52	1 5	21 11	0 26	22 41	0 48	23 12	0 24	20 19	1 30	10 12	17 24	22 56	23 2	10 48	0 30	3 34
F 22	17 59	3 46	5 8	11 22	2 0	12 48	1 29	18 39	1 5	21 8	0 26	22 41	0 47	23 12	0 24	20 19	1 30	10 13	17 24	22 57	23 2	10 51	0 29	3 34
S 23	17 43	1n42	5 13	11 7	2 17	12 21	1 29	18 26	1 5	21 5	0 26	22 41	0 47	23 12	0 24	20 18	1 30	10 13	17 25	22 57	23 3	10 53	0 28	3 34
S 24	17 26	7 6	4 58	10 56	2 32	11 53	1 28	18 13	1 5	21 3	0 26	22 41	0 47	23 11	0 24	20 18	1 30	10 14	17 25	22 57	23 3	10 56	0 27	3 34
M25	17 9	12 8	4 25	10 49	2 48	11 25	1 27	17 59	1 5	21 0	0 27	22 41	0 47	23 11	0 24	20 18	1 30	10 15	17 26	22 57	23 3	10 58	0 26	3 34
T 26	16 52	16 30	3 36	10 47	3 1	10 57	1 26	17 45	1 5	20 57	0 27	22 41	0 47	23 11	0 24	20 18	1 30	10 15	17 26	22 57	23 3	11 1	0 25	3 34
W27	16 34	19 55	2 34	10 49	3 14	10 29	1 25	17 31	1 5	20 55	0 27	22 41	0 47	23 10	0 24	20 18	1 30	10 16	17 27	22 57	23 4	11 3	0 24	3 33
T 28	16 17	22 7	1 23	10 55	3 24	10 0	1 24	17 17	1 5	20 52	0 27	22 42	0 46	23 10	0 24	20 18	1 30	10 17	17 27	22 57	23 4	11 5	0 22	3 33
F 29	15 59	22 57	0 9	11 5	3 33	9 31	1 23	17 3	1 5	20 49	0 27	22 42	0 46	23 10	0 24	20 18	1 30	10 18	17 28	22 57	23 4	11 8	0 21	3 33
S 30	15 40	22 22	1n 6	11 18	3 40	9 1	1 22	16 49	1 5	20 46	0 27	22 42	0 46	23 9	0 24	20 18	1 30	10 18	17 28	22 57	23 5	11 10	0 20	3 33
S 31	15s22	20n28	2n15	11s34	3n44	8s32	1s20	16s34	1s 5	20s43	0s27	22n42	0s46	23s 9	0s24	20n18	1s30	10n19	17n29	22n57	23n 5	11s13	0s19	3n33

Julian Day Number = 2173237.5, Delta T = 12m07s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'52, Lahiri = 13°13'52 Julian Calendar 1 Jan. 1238 == Greg. Calendar 8 Jan. 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

FEBRUARY 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 11 56	19♒27'35	21♌30	18°R 7	12♓42	18♒39	0♒ 1	25°R30	14♑30	8°R18	14°R38	12°R23	10♋57	11♏53	21♓ 4	M 1
T 2	9 15 53	20°28'02	4♍35	16♒59	13°57	19°27	0°15	25♊28	14°33	8♊17	14♎37	12♋17	10°54	11°59	21° 7	T 2
W 3	9 19 50	21°28'27	17°23	15°54	15°11	20°14	0°29	25°26	14°36	8°17	14°36	12°10	10°51	12° 6	21°10	W 3
T 4	9 23 46	22°28'50	29°56	14°51	16°25	21° 2	0°43	25°25	14°39	8°17	14°35	12° 2	10°47	12°13	21°14	T 4
F 5	9 27 43	23°29'12	12♎15	13°53	17°40	21°49	0°56	25°23	14°42	8°17	14°35	11°55	10°44	12°19	21°17	F 5
S 6	9 31 39	24°29'32	24°20	13° 0	18°54	22°36	1°10	25°22	14°45	8°16	14°34	11°50	10°41	12°26	21°20	S 6
S 7	9 35 36	25°29'51	6♏17	12°13	20° 8	23°24	1°24	25°20	14°48	8°16	14°33	11°45	10°38	12°33	21°24	S 7
M 8	9 39 32	26°30'08	18° 8	11°33	21°22	24°11	1°37	25°19	14°50	8°16	14°32	11°43	10°35	12°40	21°27	M 8
T 9	9 43 29	27°30'24	29°59	11° 0	22°36	24°58	1°51	25°18	14°53	8°16	14°31	11°D43	10°31	12°46	21°30	T 9
W10	9 47 25	28°30'38	11♐56	10°34	23°50	25°46	2° 4	25°17	14°56	8°D16	14°30	11°44	10°28	12°53	21°34	W10
T 11	9 51 22	29°30'51	24° 2	10°16	25° 4	26°33	2°18	25°17	14°59	8°16	14°29	11°45	10°25	13° 0	21°37	T 11
F 12	9 55 19	0♓31'02	6♑23	10° 4	26°18	27°20	2°31	25°16	15° 2	8°16	14°28	11°R46	10°22	13° 6	21°41	F 12
S 13	9 59 15	1°31'12	19° 4	9°D59	27°32	28° 8	2°45	25°15	15° 4	8°16	14°27	11°46	10°19	13°13	21°44	S 13
S 14	10 3 12	2°31'20	2♒ 6	10° 1	28°46	28°55	2°58	25°15	15° 7	8°16	14°25	11°44	10°16	13°20	21°48	S 14
M15	10 7 8	3°31'26	15°32	10° 9	29°59	29°42	3°11	25°14	15°10	8°17	14°24	11°40	10°12	13°26	21°51	M15
T 16	10 11 5	4°31'30	29°21	10°22	1♈13	0♓29	3°24	25°14	15°12	8°17	14°23	11°33	10° 9	13°33	21°55	T 16
W17	10 15 1	5°31'33	13♓30	10°42	2°27	1°17	3°37	25°14	15°15	8°17	14°22	11°25	10° 6	13°40	21°58	W17
T 18	10 18 58	6°31'33	27°54	11° 6	3°41	2° 4	3°51	25°D14	15°18	8°17	14°21	11°16	10° 3	13°47	22° 2	T 18
F 19	10 22 54	7°31'31	12♈26	11°35	4°54	2°51	4° 4	25°14	15°20	8°17	14°20	11° 7	10° 0	13°53	22° 5	F 19
S 20	10 26 51	8°31'27	26°59	12° 9	6° 8	3°38	4°17	25°14	15°23	8°18	14°18	10°59	9°56	14° 0	22° 9	S 20
S 21	10 30 48	9°31'21	11♉28	12°47	7°21	4°25	4°30	25°14	15°25	8°18	14°17	10°54	9°53	14° 7	22°13	S 21
M22	10 34 44	10°31'13	25°48	13°30	8°35	5°12	4°42	25°15	15°27	8°19	14°16	10°51	9°50	14°13	22°16	M22
T 23	10 38 41	11°31'02	9♊55	14°15	9°48	6° 0	4°55	25°15	15°30	8°19	14°14	10°D50	9°47	14°20	22°20	T 23
W24	10 42 37	12°30'50	23°50	15° 5	11° 2	6°47	5° 8	25°16	15°32	8°19	14°13	10°50	9°44	14°27	22°23	W24
T 25	10 46 34	13°30'34	7♋33	15°57	12°15	7°34	5°21	25°17	15°34	8°20	14°12	10°R50	9°41	14°33	22°27	T 25
F 26	10 50 30	14°30'17	21° 3	16°53	13°28	8°21	5°33	25°18	15°37	8°20	14°10	10°50	9°37	14°40	22°31	F 26
S 27	10 54 27	15°29'57	4♌22	17°51	14°41	9° 8	5°46	25°19	15°39	8°21	14° 9	10°48	9°34	14°47	22°34	S 27
S 28	10 58 23	16♓29'35	17♌29	18♒53	15♈55	9♓55	5♒58	25♊20	15♑41	8♊22	14♎ 7	10♋43	9♋31	14♏54	22♓38	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 3	17n29	3n16	11s53	3n46	8s 2	1s19	16s19	1s 5	20s40	0s27	22n42	0s46	23s 9	0s24	20n18	1s30	10n20	17n29	22n58	23n 5	11s15	0s18	3n33
T 2	14 44	13 40	4 5	12 13	3 45	7 32	1 18	16 4	1 5	20 38	0 27	22 42	0 45	23 8	0 24	20 18	1 30	10 21	17 30	22 58	23 5	11 18	0 17	3 32
W 3	14 24	9 19	4 41	12 35	3 43	7 2	1 16	15 49	1 5	20 35	0 28	22 42	0 45	23 8	0 24	20 18	1 29	10 21	17 30	22 59	23 6	11 20	0 16	3 32
T 4	14 5	4 39	5 3	12 58	3 38	6 31	1 15	15 34	1 4	20 32	0 28	22 42	0 45	23 8	0 24	20 18	1 29	10 22	17 31	22 59	23 6	11 23	0 15	3 32
F 5	13 45	0s 7	5 9	13 21	3 32	6 1	1 13	15 18	1 4	20 29	0 28	22 42	0 45	23 7	0 24	20 18	1 29	10 23	17 31	23 0	23 6	11 25	0 14	3 32
S 6	13 25	4 47	5 2	13 44	3 24	5 30	1 11	15 3	1 4	20 26	0 28	22 43	0 45	23 7	0 24	20 18	1 29	10 24	17 32	23 1	23 6	11 28	0 12	3 32
S 7	13 4	9 14	4 42	14 6	3 14	4 59	1 10	14 47	1 4	20 23	0 28	22 43	0 45	23 7	0 24	20 18	1 29	10 24	17 32	23 1	23 7	11 30	0 11	3 32
M 8	12 44	13 19	4 9	14 27	3 3	4 28	1 8	14 31	1 4	20 20	0 28	22 43	0 44	23 6	0 24	20 19	1 29	10 25	17 33	23 1	23 7	11 33	0 10	3 31
T 9	12 23	16 52	3 26	14 47	2 52	3 57	1 6	14 15	1 4	20 17	0 28	22 43	0 44	23 6	0 24	20 19	1 29	10 26	17 33	23 1	23 7	11 35	0 9	3 31
W10	12 2	19 46	2 34	15 6	2 39	3 26	1 4	13 59	1 4	20 15	0 28	22 43	0 44	23 6	0 24	20 19	1 29	10 27	17 34	23 1	23 7	11 37	0 7	3 31
T 11	11 41	21 50	1 34	15 24	2 26	2 55	1 2	13 43	1 4	20 12	0 29	22 43	0 44	23 6	0 24	20 19	1 29	10 27	17 34	23 1	23 8	11 40	0 6	3 31
F 12	11 20	22 54	0 29	15 40	2 13	2 24	1 0	13 26	1 4	20 9	0 29	22 43	0 44	23 5	0 24	20 19	1 29	10 28	17 34	23 1	23 8	11 42	0 5	3 31
S 13	10 59	22 49	0s39	15 54	2 0	1 52	0 58	13 10	1 3	20 6	0 29	22 44	0 44	23 5	0 24	20 19	1 29	10 29	17 35	23 1	23 8	11 45	0 4	3 31
S 14	10 37	21 31	1 47	16 7	1 46	1 21	0 56	12 53	1 3	20 3	0 29	22 44	0 43	23 5	0 24	20 19	1 29	10 30	17 35	23 1	23 8	11 47	0 3	3 31
M15	10 15	18 58	2 51	16 18	1 32	0 49	0 53	12 36	1 3	20 0	0 29	22 44	0 43	23 4	0 24	20 19	1 29	10 31	17 36	23 1	23 9	11 50	0 1	3 31
T 16	9 53	15 17	3 47	16 27	1 19	0 18	0 51	12 20	1 3	19 57	0 29	22 44	0 43	23 4	0 24	20 19	1 29	10 31	17 36	23 2	23 9	11 52	0n 0	3 30
W17	9 31	10 40	4 30	16 34	1 6	0n14	0 49	12 3	1 3	19 54	0 29	22 44	0 43	23 4	0 24	20 19	1 29	10 32	17 36	23 3	23 9	11 55	0 1	3 30
T 18	9 9	5 23	4 57	16 40	0 53	0 45	0 47	11 45	1 3	19 51	0 30	22 44	0 43	23 4	0 24	20 19	1 29	10 33	17 37	23 4	23 9	11 57	0 3	3 30
F 19	8 47	0n15	5 5	16 44	0 40	1 17	0 44	11 28	1 2	19 48	0 30	22 45	0 42	23 3	0 24	20 19	1 29	10 34	17 37	23 4	23 10	11 59	0 4	3 30
S 20	8 24	5 53	4 53	16 47	0 28	1 48	0 42	11 11	1 2	19 45	0 30	22 45	0 42	23 3	0 24	20 19	1 28	10 35	17 38	23 5	23 10	12 2	0 5	3 30
S 21	8 2	11 10	4 23	16 48	0 16	2 20	0 39	10 53	1 2	19 42	0 30	22 45	0 42	23 3	0 24	20 20	1 28	10 36	17 38	23 5	23 10	12 4	0 7	3 30
M22	7 39	15 47	3 37	16 47	0 4	2 51	0 37	10 36	1 2	19 39	0 30	22 45	0 42	23 3	0 24	20 20	1 28	10 36	17 38	23 6	23 10	12 7	0 8	3 30
T 23	7 16	19 26	2 37	16 44	0s 7	3 23	0 34	10 18	1 2	19 36	0 30	22 45	0 42	23 2	0 24	20 20	1 28	10 37	17 39	23 6	23 11	12 9	0 9	3 30
W24	6 54	21 54	1 30	16 40	0 18	3 54	0 31	10 1	1 1	19 33	0 30	22 46	0 42	23 2	0 25	20 20	1 28	10 38	17 39	23 6	23 11	12 12	0 11	3 30
T 25	6 31	23 2	0 18	16 35	0 29	4 25	0 29	9 43	1 1	19 30	0 31	22 46	0 41	23 2	0 25	20 20	1 28	10 39	17 39	23 6	23 11	12 14	0 12	3 30
F 26	6 7	22 46	0n54	16 27	0 39	4 56	0 26	9 25	1 1	19 27	0 31	22 46	0 41	23 2	0 25	20 20	1 28	10 40	17 40	23 6	23 11	12 16	0 13	3 29
S 27	5 44	21 13	2 2	16 19	0 48	5 27	0 23	9 7	1 1	19 24	0 31	22 46	0 41	23 1	0 25	20 20	1 28	10 40	17 40	23 6	23 11	12 19	0 15	3 29
S 28	5s21	18n32	3n 2	16s 8	0s58	5n58	0s20	8s49	1s 1	19s21	0s31	22n46	0s41	23s 1	0s25	20n20	1s28	10n41	17n40	23n 6	23n12	12s21	0n16	3n29

Julian Day Number = 2173268.5, Delta T = 12m07s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°06'56, Lahiri = 13°13'56 Julian Calendar 1 Feb. 1238 == Greg. Calendar 8 Feb. 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

MARCH 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 2 20	17♓29'11	0♍26	19♒56	17♈ 8	10♓42	6♒11	25♊21	15♉43	8♊22	14°R 6	10°R35	9♋28	15♏ 0	22♓41	M 1
T 2	11 6 17	18°28'44	13°12	21° 2	18°21	11°29	6°23	25°22	15°45	8°23	14♎ 4	10♋24	9°25	15° 7	22°45	T 2
W 3	11 10 13	19°28'16	25°47	22°11	19°34	12°15	6°35	25°24	15°47	8°24	14° 3	10°12	9°22	15°14	22°49	W 3
T 4	11 14 10	20°27'45	8♎ 9	23°21	20°47	13° 2	6°48	25°25	15°49	8°24	14° 1	9°59	9°18	15°20	22°52	T 4
F 5	11 18 6	21°27'13	20°21	24°34	21°59	13°49	7° 0	25°27	15°51	8°25	14° 0	9°47	9°15	15°27	22°56	F 5
S 6	11 22 3	22°26'38	2♏23	25°49	23°12	14°36	7°12	25°29	15°53	8°26	13°58	9°36	9°12	15°34	23° 0	S 6
S 7	11 25 59	23°26'02	14°18	27° 5	24°25	15°23	7°24	25°30	15°55	8°27	13°57	9°27	9° 9	15°40	23° 3	S 7
M 8	11 29 56	24°25'23	26° 8	28°24	25°38	16°10	7°36	25°32	15°57	8°27	13°55	9°21	9° 6	15°47	23° 7	M 8
T 9	11 33 52	25°24'43	7♐58	29°44	26°50	16°56	7°47	25°34	15°58	8°28	13°54	9°18	9° 2	15°54	23°11	T 9
W10	11 37 49	26°24'01	19°52	1♓ 6	28° 3	17°43	7°59	25°37	16° 0	8°29	13°52	9°17	8°59	16° 0	23°14	W10
T 11	11 41 45	27°23'18	1♑56	2°30	29°15	18°30	8°11	25°39	16° 2	8°30	13°51	9°D17	8°56	16° 7	23°18	T 11
F 12	11 45 42	28°22'32	14°15	3°55	0♉28	19°16	8°22	25°41	16° 4	8°31	13°49	9°R17	8°53	16°14	23°22	F 12
S 13	11 49 39	29°21'45	26°55	5°22	1°40	20° 3	8°34	25°44	16° 5	8°32	13°47	9°16	8°50	16°21	23°25	S 13
S 14	11 53 35	0♈20'56	9♒59	6°50	2°52	20°49	8°45	25°46	16° 7	8°33	13°46	9°12	8°47	16°27	23°29	S 14
M15	11 57 32	1°20'05	23°30	8°20	4° 5	21°36	8°57	25°49	16° 8	8°34	13°44	9° 7	8°43	16°34	23°32	M15
T 16	12 1 28	2°19'12	7♓30	9°52	5°17	22°22	9° 8	25°52	16°10	8°35	13°42	8°59	8°40	16°41	23°36	T 16
W17	12 5 25	3°18'17	21°55	11°25	6°29	23° 9	9°19	25°55	16°11	8°37	13°41	8°48	8°37	16°47	23°40	W17
T 18	12 9 21	4°17'20	6♈39	13° 0	7°41	23°55	9°30	25°58	16°12	8°38	13°39	8°37	8°34	16°54	23°43	T 18
F 19	12 13 18	5°16'21	21°36	14°36	8°53	24°42	9°41	26° 1	16°14	8°39	13°37	8°25	8°31	17° 1	23°47	F 19
S 20	12 17 14	6°15'20	6♉35	16°13	10° 5	25°28	9°52	26° 4	16°15	8°40	13°36	8°15	8°28	17° 7	23°50	S 20
S 21	12 21 11	7°14'16	21°27	17°52	11°16	26°14	10° 2	26° 7	16°16	8°41	13°34	8° 8	8°24	17°14	23°54	S 21
M22	12 25 8	8°13'11	6♊ 4	19°33	12°28	27° 1	10°13	26°11	16°17	8°43	13°32	8° 3	8°21	17°21	23°58	M22
T 23	12 29 4	9°12'03	20°24	21°15	13°40	27°47	10°23	26°14	16°18	8°44	13°31	8° 1	8°18	17°27	24° 1	T 23
W24	12 33 1	10°10'53	4♋23	22°59	14°51	28°33	10°34	26°18	16°20	8°45	13°29	8° 0	8°15	17°34	24° 5	W24
T 25	12 36 57	11° 9'40	18° 2	24°44	16° 3	29°19	10°44	26°21	16°21	8°47	13°27	8° 0	8°12	17°41	24° 8	T 25
F 26	12 40 54	12° 8'25	1♌22	26°31	17°14	0♈ 5	10°54	26°25	16°22	8°48	13°26	7°59	8° 8	17°48	24°12	F 26
S 27	12 44 50	13° 7'08	14°26	28°19	18°25	0°52	11° 4	26°29	16°22	8°49	13°24	7°56	8° 5	17°54	24°15	S 27
S 28	12 48 47	14° 5'49	27°17	0♈ 9	19°37	1°38	11°14	26°33	16°23	8°51	13°22	7°51	8° 2	18° 1	24°19	S 28
M29	12 52 43	15° 4'27	9♍55	2° 0	20°48	2°24	11°24	26°37	16°24	8°52	13°21	7°42	7°59	18° 8	24°22	M29
T 30	12 56 40	16° 3'03	22°24	3°53	21°59	3° 9	11°34	26°41	16°25	8°54	13°19	7°31	7°56	18°14	24°26	T 30
W31	13 0 37	17♈ 1'37	4♎43	5♈47	23♉10	3♈55	11♒44	26♊45	16♉26	8♊55	13♎17	7♋18	7♋53	18♏21	24♓29	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s58	14n58	3n52	15s56	1s 6	6n29	0s18	8s31	1s 0	19s18	0s31	22n47	0s41	23s 1	0s25	20n21	1s28	10n42	17n40	23n 7	23n12	12s24	0n17	3n29
T 2	4 34	10 45	4 29	15 43	1 14	7 0	0 15	8 13	1 0	19 15	0 31	22 47	0 41	23 1	0 25	20 21	1 28	10 43	17 41	23 8	23 12	12 26	0 19	3 29
W 3	4 11	6 9	4 52	15 28	1 22	7 30	0 12	7 55	1 0	19 13	0 31	22 47	0 40	23 1	0 25	20 21	1 28	10 44	17 41	23 9	23 12	12 29	0 20	3 29
T 4	3 48	1 22	5 1	15 12	1 30	8 0	0 9	7 36	0 59	19 10	0 32	22 47	0 40	23 0	0 25	20 21	1 28	10 44	17 41	23 10	23 13	12 31	0 21	3 29
F 5	3 24	3s24	4 56	14 54	1 37	8 31	0 6	7 18	0 59	19 7	0 32	22 48	0 40	23 0	0 25	20 21	1 28	10 45	17 42	23 11	23 13	12 33	0 23	3 29
S 6	3 1	8 0	4 38	14 35	1 43	9 1	0 3	7 0	0 59	19 4	0 32	22 48	0 40	23 0	0 25	20 21	1 28	10 46	17 42	23 11	23 13	12 36	0 24	3 29
S 7	2 37	12 15	4 8	14 14	1 49	9 30	0n 0	6 41	0 59	19 1	0 32	22 48	0 40	23 0	0 25	20 22	1 28	10 47	17 42	23 12	23 13	12 38	0 26	3 29
M 8	2 13	16 0	3 28	13 52	1 55	10 0	0 3	6 23	0 58	18 58	0 32	22 48	0 40	23 0	0 25	20 22	1 28	10 48	17 42	23 12	23 13	12 41	0 27	3 29
T 9	1 50	19 8	2 38	13 29	2 0	10 29	0 6	6 4	0 58	18 55	0 32	22 48	0 39	22 59	0 25	20 22	1 28	10 48	17 42	23 13	23 14	12 43	0 28	3 29
W10	1 26	21 28	1 41	13 4	2 4	10 58	0 9	5 46	0 58	18 52	0 33	22 49	0 39	22 59	0 25	20 22	1 27	10 49	17 43	23 13	23 14	12 45	0 30	3 29
T 11	1 3	22 53	0 39	12 37	2 8	11 27	0 12	5 27	0 57	18 49	0 33	22 49	0 39	22 59	0 25	20 22	1 27	10 50	17 43	23 13	23 14	12 48	0 31	3 29
F 12	0 39	23 13	0s26	12 10	2 12	11 55	0 16	5 8	0 57	18 46	0 33	22 49	0 39	22 59	0 25	20 23	1 27	10 51	17 43	23 13	23 14	12 50	0 33	3 29
S 13	0 15	22 22	1 32	11 41	2 15	12 24	0 19	4 50	0 57	18 44	0 33	22 49	0 39	22 59	0 25	20 23	1 27	10 51	17 43	23 13	23 15	12 53	0 34	3 29
S 14	0n 8	20 18	2 35	11 10	2 18	12 52	0 22	4 31	0 56	18 41	0 33	22 50	0 39	22 58	0 25	20 23	1 27	10 52	17 43	23 13	23 15	12 55	0 35	3 28
M15	0 32	17 3	3 31	10 39	2 20	13 19	0 25	4 12	0 56	18 38	0 33	22 50	0 38	22 58	0 25	20 23	1 27	10 53	17 43	23 13	23 15	12 57	0 37	3 28
T 16	0 56	12 46	4 17	10 6	2 22	13 47	0 28	3 53	0 56	18 35	0 34	22 50	0 38	22 58	0 25	20 24	1 27	10 54	17 44	23 14	23 15	13 0	0 38	3 28
W17	1 19	7 37	4 48	9 31	2 23	14 14	0 31	3 35	0 55	18 32	0 34	22 50	0 38	22 58	0 25	20 24	1 27	10 54	17 44	23 15	23 15	13 2	0 40	3 28
T 18	1 43	1 56	5 0	8 56	2 24	14 40	0 35	3 16	0 55	18 30	0 34	22 51	0 38	22 58	0 25	20 24	1 27	10 55	17 44	23 15	23 16	13 5	0 41	3 28
F 19	2 6	3n56	4 52	8 19	2 25	15 7	0 38	2 57	0 55	18 27	0 34	22 51	0 38	22 58	0 25	20 24	1 27	10 56	17 44	23 16	23 16	13 7	0 42	3 28
S 20	2 30	9 36	4 25	7 40	2 24	15 33	0 41	2 38	0 54	18 24	0 34	22 51	0 38	22 58	0 25	20 24	1 27	10 57	17 44	23 17	23 16	13 9	0 44	3 28
S 21	2 53	14 40	3 39	7 1	2 24	15 58	0 44	2 20	0 54	18 21	0 34	22 51	0 37	22 58	0 25	20 25	1 27	10 57	17 44	23 17	23 16	13 12	0 45	3 28
M22	3 16	18 47	2 40	6 20	2 23	16 24	0 47	2 1	0 54	18 19	0 35	22 52	0 37	22 57	0 25	20 25	1 27	10 58	17 44	23 18	23 16	13 14	0 47	3 28
T 23	3 40	21 40	1 32	5 38	2 21	16 48	0 51	1 42	0 53	18 16	0 35	22 52	0 37	22 57	0 25	20 25	1 27	10 59	17 44	23 18	23 17	13 17	0 48	3 28
W24	4 3	23 9	0 19	4 55	2 19	17 13	0 54	1 23	0 53	18 13	0 35	22 52	0 37	22 57	0 25	20 25	1 27	10 59	17 44	23 18	23 17	13 19	0 49	3 28
T 25	4 26	23 11	0n53	4 11	2 16	17 37	0 57	1 4	0 52	18 11	0 35	22 53	0 37	22 57	0 25	20 26	1 27	11 0	17 44	23 18	23 17	13 21	0 51	3 28
F 26	4 49	21 53	2 0	3 25	2 13	18 0	1 0	0 46	0 52	18 8	0 35	22 53	0 37	22 57	0 25	20 26	1 27	11 1	17 44	23 18	23 17	13 24	0 52	3 28
S 27	5 12	19 26	3 0	2 39	2 9	18 24	1 3	0 27	0 52	18 5	0 36	22 53	0 36	22 57	0 25	20 26	1 27	11 1	17 44	23 18	23 17	13 26	0 54	3 28
S 28	5 35	16 3	3 49	1 51	2 5	18 46	1 6	0 8	0 51	18 3	0 36	22 53	0 36	22 57	0 25	20 26	1 27	11 2	17 44	23 18	23 18	13 29	0 55	3 28
M29	5 58	11 59	4 26	1 2	2 0	19 8	1 9	0n11	0 51	18 0	0 36	22 54	0 36	22 57	0 25	20 27	1 26	11 3	17 44	23 19	23 18	13 31	0 56	3 28
T 30	6 20	7 28	4 50	0 12	1 55	19 30	1 12	0 29	0 50	17 58	0 36	22 54	0 36	22 57	0 25	20 27	1 26	11 3	17 44	23 19	23 18	13 33	0 58	3 28
W31	6n43	2n42	5n 0	0n38	1s49	19n51	1n15	0n48	0s50	17s55	0s36	22n54	0s36	22s57	0s25	20n27	1s26	11n 4	17n44	23n20	23n18	13s36	0n59	3n28

Julian Day Number = 2173296.5, Delta T = 12m07s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'00, Lahiri = 13°14'00 Julian Calendar 1 March 1238 == Greg. Calendar 8 March 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

APRIL 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 33	18♈ 0'09	16♎53	7♈43	24♉21	4♈41	11♒53	26♊50	16♑26	8♊57	13°R16	7°R 5	7♋49	18♏28	24♓33	T 1
F 2	13 8 30	18°58'39	28°56	9°41	25°31	5°27	12° 3	26°54	16°27	8°58	13♎14	6♋51	7°46	18°34	24°36	F 2
S 3	13 12 26	19°57'07	10♏52	11°40	26°42	6°13	12°12	26°58	16°27	9° 0	13°12	6°40	7°43	18°41	24°39	S 3
S 4	13 16 23	20°55'34	22°44	13°41	27°53	6°59	12°21	27° 3	16°28	9° 2	13°10	6°30	7°40	18°48	24°43	S 4
M 5	13 20 19	21°53'58	4♐33	15°43	29° 3	7°44	12°30	27° 8	16°28	9° 3	13° 9	6°23	7°37	18°54	24°46	M 5
T 6	13 24 16	22°52'21	16°22	17°46	0♊13	8°30	12°39	27°12	16°29	9° 5	13° 7	6°19	7°33	19° 1	24°49	T 6
W 7	13 28 12	23°50'42	28°16	19°51	1°24	9°15	12°48	27°17	16°29	9° 6	13° 5	6°17	7°30	19° 8	24°53	W 7
T 8	13 32 9	24°49'02	10♑19	21°57	2°34	10° 1	12°56	27°22	16°30	9° 8	13° 4	6°D17	7°27	19°15	24°56	T 8
F 9	13 36 6	25°47'20	22°37	24° 4	3°44	10°46	13° 5	27°27	16°30	9°10	13° 2	6°R18	7°24	19°21	24°59	F 9
S 10	13 40 2	26°45'37	5♒13	26°12	4°54	11°32	13°13	27°32	16°30	9°12	13° 1	6°17	7°21	19°28	25° 2	S 10
S 11	13 43 59	27°43'52	18°13	28°20	6° 4	12°17	13°22	27°37	16°30	9°13	12°59	6°15	7°18	19°35	25° 6	S 11
M12	13 47 55	28°42'05	1♓42	0♉29	7°14	13° 3	13°30	27°42	16°30	9°15	12°57	6°12	7°14	19°41	25° 9	M12
T 13	13 51 52	29°40'17	15°40	2°39	8°23	13°48	13°38	27°48	16°30	9°17	12°56	6° 5	7°11	19°48	25°12	T 13
W14	13 55 48	0♉38'28	0♈ 6	4°48	9°33	14°33	13°46	27°53	16°R30	9°19	12°54	5°57	7° 8	19°55	25°15	W14
T 15	13 59 45	1°36'36	14°57	6°58	10°42	15°19	13°53	27°58	16°30	9°21	12°52	5°47	7° 5	20° 1	25°18	T 15
F 16	14 3 41	2°34'43	0♉ 5	9° 6	11°52	16° 4	14° 1	28° 4	16°30	9°22	12°51	5°38	7° 2	20° 8	25°21	F 16
S 17	14 7 38	3°32'49	15°18	11°14	13° 1	16°49	14° 8	28° 9	16°30	9°24	12°49	5°29	6°59	20°15	25°24	S 17
S 18	14 11 34	4°30'53	0♊28	13°21	14°10	17°34	14°16	28°15	16°30	9°26	12°48	5°23	6°55	20°21	25°27	S 18
M19	14 15 31	5°28'55	15°24	15°26	15°19	18°19	14°23	28°21	16°30	9°28	12°46	5°19	6°52	20°28	25°30	M19
T 20	14 19 28	6°26'55	29°59	17°30	16°28	19° 4	14°30	28°27	16°29	9°30	12°45	5°D18	6°49	20°35	25°33	T 20
W21	14 23 24	7°24'53	14♋10	19°31	17°36	19°49	14°36	28°32	16°29	9°32	12°43	5°18	6°46	20°41	25°36	W21
T 22	14 27 21	8°22'50	27°55	21°31	18°45	20°34	14°43	28°38	16°29	9°34	12°42	5°19	6°43	20°48	25°39	T 22
F 23	14 31 17	9°20'44	11♌17	23°28	19°53	21°18	14°50	28°44	16°28	9°36	12°40	5°R19	6°39	20°55	25°42	F 23
S 24	14 35 14	10°18'37	24°18	25°22	21° 2	22° 3	14°56	28°50	16°28	9°38	12°39	5°18	6°36	21° 2	25°45	S 24
S 25	14 39 10	11°16'28	7♍ 1	27°14	22°10	22°48	15° 2	28°56	16°27	9°40	12°37	5°15	6°33	21° 8	25°47	S 25
M26	14 43 7	12°14'17	19°29	29° 3	23°18	23°33	15° 8	29° 3	16°27	9°42	12°36	5°10	6°30	21°15	25°50	M26
T 27	14 47 3	13°12'04	1♎46	0♊49	24°26	24°17	15°14	29° 9	16°26	9°44	12°35	5° 2	6°27	21°22	25°53	T 27
W28	14 51 0	14° 9'49	13°53	2°31	25°34	25° 2	15°20	29°15	16°25	9°46	12°33	4°54	6°24	21°28	25°56	W28
T 29	14 54 57	15° 7'33	25°53	4°11	26°41	25°46	15°26	29°21	16°25	9°48	12°32	4°44	6°20	21°35	25°58	T 29
F 30	14 58 53	16♉ 5'16	7♏49	5♊47	27♊49	26♈31	15♒31	29♊28	16♑24	9♊50	12♎30	4♋35	6♋17	21♏42	26♓ 1	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 5	2s 6	4n56	1n30	1s43	20n12	1n19	1n 7	0s49	17s53	0s36	22n54	0s36	22s57	0s26	20n28	1s26	11n 4	17n44	23n21	23n18	13s38	1n 1	3n28
F 2	7 28	6 48	4 39	2 23	1 36	20 32	1 22	1 25	0 49	17 50	0 37	22 55	0 36	22 57	0 26	20 28	1 26	11 5	17 44	23 22	23 19	13 40	1 2	3 28
S 3	7 50	11 12	4 9	3 16	1 29	20 52	1 24	1 44	0 49	17 48	0 37	22 55	0 35	22 57	0 26	20 28	1 26	11 6	17 44	23 22	23 19	13 43	1 3	3 28
S 4	8 12	15 10	3 29	4 10	1 21	21 11	1 27	2 3	0 48	17 46	0 37	22 55	0 35	22 56	0 26	20 28	1 26	11 6	17 44	23 23	23 19	13 45	1 5	3 28
M 5	8 34	18 31	2 40	5 5	1 13	21 30	1 30	2 21	0 48	17 43	0 37	22 55	0 35	22 56	0 26	20 29	1 26	11 7	17 44	23 23	23 19	13 48	1 6	3 28
T 6	8 56	21 7	1 44	6 1	1 4	21 48	1 33	2 40	0 47	17 41	0 37	22 56	0 35	22 56	0 26	20 29	1 26	11 7	17 44	23 23	23 19	13 50	1 7	3 28
W 7	9 17	22 49	0 42	6 56	0 55	22 5	1 36	2 58	0 47	17 39	0 38	22 56	0 35	22 56	0 26	20 29	1 26	11 8	17 44	23 23	23 19	13 52	1 9	3 28
T 8	9 39	23 29	0s21	7 52	0 46	22 22	1 39	3 16	0 46	17 36	0 38	22 56	0 35	22 56	0 26	20 30	1 26	11 8	17 44	23 23	23 20	13 55	1 10	3 28
F 9	10 0	23 3	1 26	8 49	0 36	22 39	1 42	3 35	0 46	17 34	0 38	22 56	0 34	22 56	0 26	20 30	1 26	11 9	17 44	23 23	23 20	13 57	1 11	3 28
S 10	10 22	21 26	2 28	9 45	0 26	22 55	1 44	3 53	0 45	17 32	0 38	22 57	0 34	22 56	0 26	20 30	1 26	11 9	17 43	23 23	23 20	13 59	1 13	3 29
S 11	10 43	18 39	3 24	10 41	0 16	23 10	1 47	4 11	0 45	17 30	0 39	22 57	0 34	22 56	0 26	20 31	1 26	11 10	17 43	23 23	23 20	14 2	1 14	3 29
M12	11 3	14 49	4 11	11 36	0 5	23 24	1 50	4 29	0 44	17 28	0 39	22 57	0 34	22 56	0 26	20 31	1 26	11 10	17 43	23 24	23 20	14 4	1 15	3 29
T 13	11 24	10 2	4 45	12 31	0n 5	23 38	1 52	4 48	0 44	17 25	0 39	22 57	0 34	22 56	0 26	20 31	1 26	11 11	17 43	23 24	23 21	14 6	1 16	3 29
W14	11 45	4 34	5 2	13 26	0 16	23 52	1 55	5 6	0 43	17 23	0 39	22 57	0 34	22 56	0 26	20 31	1 26	11 11	17 43	23 24	23 21	14 9	1 18	3 29
T 15	12 5	1n19	5 0	14 19	0 27	24 4	1 57	5 24	0 43	17 21	0 39	22 58	0 34	22 57	0 26	20 32	1 26	11 12	17 43	23 25	23 21	14 11	1 19	3 29
F 16	12 25	7 14	4 37	15 11	0 37	24 16	1 59	5 42	0 42	17 19	0 40	22 58	0 33	22 57	0 26	20 32	1 26	11 12	17 42	23 25	23 21	14 13	1 20	3 29
S 17	12 45	12 46	3 54	16 1	0 48	24 28	2 2	5 59	0 42	17 17	0 40	22 58	0 33	22 57	0 26	20 32	1 26	11 12	17 42	23 25	23 21	14 16	1 22	3 29
S 18	13 5	17 29	2 55	16 50	0 58	24 39	2 4	6 17	0 41	17 16	0 40	22 58	0 33	22 57	0 26	20 33	1 26	11 13	17 42	23 26	23 21	14 18	1 23	3 29
M19	13 24	21 0	1 44	17 37	1 8	24 49	2 6	6 35	0 41	17 14	0 40	22 59	0 33	22 57	0 26	20 33	1 26	11 13	17 42	23 26	23 22	14 20	1 24	3 29
T 20	13 43	23 4	0 28	18 21	1 17	24 58	2 8	6 52	0 40	17 12	0 41	22 59	0 33	22 57	0 26	20 33	1 26	11 13	17 41	23 26	23 22	14 23	1 25	3 29
W21	14 3	23 34	0n47	19 4	1 26	25 7	2 10	7 10	0 40	17 10	0 41	22 59	0 33	22 57	0 26	20 34	1 26	11 14	17 41	23 26	23 22	14 25	1 27	3 29
T 22	14 21	22 36	1 58	19 45	1 35	25 15	2 12	7 27	0 39	17 8	0 41	22 59	0 33	22 57	0 26	20 34	1 26	11 14	17 41	23 26	23 22	14 27	1 28	3 29
F 23	14 40	20 21	3 0	20 23	1 43	25 23	2 14	7 45	0 39	17 7	0 41	22 59	0 33	22 57	0 26	20 34	1 26	11 14	17 41	23 26	23 22	14 30	1 29	3 29
S 24	14 58	17 7	3 52	20 58	1 50	25 30	2 16	8 2	0 38	17 5	0 41	23 0	0 32	22 57	0 26	20 35	1 25	11 15	17 40	23 26	23 22	14 32	1 30	3 29
S 25	15 16	13 9	4 30	21 31	1 57	25 36	2 18	8 19	0 38	17 3	0 42	23 0	0 32	22 57	0 26	20 35	1 25	11 15	17 40	23 26	23 22	14 34	1 31	3 29
M26	15 34	8 42	4 55	22 2	2 3	25 41	2 19	8 36	0 37	17 2	0 42	23 0	0 32	22 57	0 26	20 35	1 25	11 15	17 40	23 26	23 23	14 37	1 32	3 29
T 27	15 52	3 58	5 6	22 30	2 8	25 46	2 21	8 53	0 37	17 0	0 42	23 0	0 32	22 57	0 26	20 36	1 25	11 16	17 40	23 26	23 23	14 39	1 34	3 30
W28	16 9	0s51	5 2	22 55	2 13	25 50	2 23	9 10	0 36	16 59	0 42	23 0	0 32	22 58	0 26	20 36	1 25	11 16	17 39	23 27	23 23	14 41	1 35	3 30
T 29	16 26	6 36	4 46	23 18	2 16	25 54	2 24	9 27	0 35	16 57	0 43	23 0	0 32	22 58	0 26	20 36	1 25	11 16	17 39	23 27	23 23	14 44	1 36	3 30
F 30	16n43	10s 7	4n17	23n39	2n19	25n56	2n25	9n44	0s35	16s56	0s43	23n 1	0s32	22s58	0s26	20n37	1s25	11n16	17n39	23n27	23n23	14s46	1n37	3n30

Julian Day Number = 2173327.5, Delta T = 12m07s
Ecliptic obliquity = 23°32'17, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'04, Lahiri = 13°14'04 Julian Calendar 1 Apr. 1238 == Greg. Calendar 8 Apr. 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

MAY 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 50	17♉ 2'57	19♏40	7♊20	28♊56	27♈15	15♒36	29♊34	16°R23	9♊52	12°R29	4°R27	6♋14	21♏48	26♓ 3	S 1
S 2	15 6 46	18° 0'37	1♐30	8°49	0♋ 3	27°59	15°41	29°41	16♑22	9°54	12♎28	4♋21	6°11	21°55	26° 6	S 2
M 3	15 10 43	18°58'16	13°20	10°15	1°10	28°44	15°46	29°47	16°21	9°57	12°27	4°16	6° 8	22° 2	26° 9	M 3
T 4	15 14 39	19°55'53	25°12	11°38	2°17	29°28	15°51	29°54	16°20	9°59	12°25	4°14	6° 5	22° 8	26°11	T 4
W 5	15 18 36	20°53'29	7♑10	12°57	3°23	0♉12	15°56	0♋ 0	16°19	10° 1	12°24	4°D14	6° 1	22°15	26°13	W 5
T 6	15 22 32	21°51'05	19°17	14°12	4°30	0°56	16° 0	0° 7	16°18	10° 3	12°23	4°15	5°58	22°22	26°16	T 6
F 7	15 26 29	22°48'39	1♒36	15°24	5°36	1°40	16° 4	0°14	16°17	10° 5	12°22	4°16	5°55	22°28	26°18	F 7
S 8	15 30 26	23°46'12	14°13	16°32	6°42	2°24	16° 8	0°21	16°16	10° 7	12°21	4°17	5°52	22°35	26°20	S 8
S 9	15 34 22	24°43'45	27°11	17°37	7°48	3° 8	16°12	0°27	16°15	10° 9	12°19	4°R18	5°49	22°42	26°23	S 9
M10	15 38 19	25°41'16	10♓34	18°37	8°53	3°52	16°16	0°34	16°14	10°12	12°18	4°17	5°45	22°48	26°25	M10
T 11	15 42 15	26°38'47	24°25	19°34	9°59	4°36	16°19	0°41	16°13	10°14	12°17	4°14	5°42	22°55	26°27	T 11
W12	15 46 12	27°36'16	8♈42	20°27	11° 4	5°20	16°23	0°48	16°11	10°16	12°16	4°10	5°39	23° 2	26°29	W12
T 13	15 50 8	28°33'45	23°25	21°16	12° 9	6° 3	16°26	0°55	16°10	10°18	12°15	4° 5	5°36	23° 8	26°31	T 13
F 14	15 54 5	29°31'13	8♉27	22° 1	13°14	6°47	16°29	1° 2	16° 9	10°20	12°14	4° 0	5°33	23°15	26°33	F 14
S 15	15 58 1	0♊28'41	23°40	22°41	14°19	7°31	16°32	1° 9	16° 7	10°23	12°13	3°56	5°30	23°22	26°35	S 15
S 16	16 1 58	1°26'07	8♊53	23°18	15°23	8°14	16°34	1°16	16° 6	10°25	12°12	3°53	5°26	23°29	26°37	S 16
M17	16 5 55	2°23'33	23°56	23°50	16°27	8°58	16°37	1°24	16° 4	10°27	12°11	3°51	5°23	23°35	26°39	M17
T 18	16 9 51	3°20'57	8♋42	24°18	17°31	9°41	16°39	1°31	16° 3	10°29	12°10	3°D51	5°20	23°42	26°41	T 18
W19	16 13 48	4°18'21	23° 4	24°41	18°35	10°25	16°41	1°38	16° 1	10°31	12° 9	3°52	5°17	23°49	26°43	W19
T 20	16 17 44	5°15'43	7♌ 0	24°59	19°39	11° 8	16°43	1°45	16° 0	10°34	12° 9	3°53	5°14	23°55	26°45	T 20
F 21	16 21 41	6°13'04	20°29	25°13	20°42	11°51	16°45	1°53	15°58	10°36	12° 8	3°54	5°11	24° 2	26°47	F 21
S 22	16 25 37	7°10'24	3♍34	25°23	21°45	12°35	16°46	2° 0	15°56	10°38	12° 7	3°R55	5° 7	24° 9	26°48	S 22
S 23	16 29 34	8° 7'43	16°17	25°28	22°47	13°18	16°47	2° 7	15°55	10°40	12° 6	3°55	5° 4	24°15	26°50	S 23
M24	16 33 31	9° 5'01	28°43	25°R28	23°50	14° 1	16°49	2°15	15°53	10°43	12° 5	3°54	5° 1	24°22	26°52	M24
T 25	16 37 27	10° 2'18	10♎54	25°24	24°52	14°44	16°49	2°22	15°51	10°45	12° 5	3°51	4°58	24°29	26°53	T 25
W26	16 41 24	10°59'34	22°56	25°16	25°54	15°27	16°50	2°30	15°49	10°47	12° 4	3°48	4°55	24°35	26°55	W26
T 27	16 45 20	11°56'49	4♏50	25° 3	26°55	16°10	16°51	2°37	15°47	10°49	12° 3	3°44	4°51	24°42	26°56	T 27
F 28	16 49 17	12°54'03	16°41	24°46	27°56	16°53	16°51	2°45	15°46	10°52	12° 3	3°41	4°48	24°49	26°57	F 28
S 29	16 53 13	13°51'17	28°31	24°26	28°57	17°35	16°R51	2°52	15°44	10°54	12° 2	3°38	4°45	24°55	26°59	S 29
S 30	16 57 10	14°48'30	10♐22	24° 2	29°58	18°18	16°51	3° 0	15°42	10°56	12° 2	3°36	4°42	25° 2	27° 0	S 30
M31	17 1 6	15♊45'43	22♐16	23♊35	0♌58	19♉ 1	16♒51	3♋ 7	15♑40	10♊58	12♎ 1	3♋35	4♋39	25♏ 9	27♓ 1	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 0	14s15	3n37	23n57	2n21	25n59	2n27	10n 0	0s34	16s55	0s43	23n 1	0s32	22s58	0s26	20n37	1s25	11n16	17n38	23n28	23n23	14s48	1n38	3n30
S 2	17 16	17 49	2 47	24 13	2 23	26 0	2 28	10 17	0 34	16 53	0 43	23 1	0 31	22 58	0 26	20 37	1 25	11 17	17 38	23 28	23 24	14 51	1 39	3 30
M 3	17 32	20 40	1 51	24 26	2 23	26 1	2 29	10 33	0 33	16 52	0 44	23 1	0 31	22 58	0 26	20 38	1 25	11 17	17 38	23 28	23 24	14 53	1 40	3 30
T 4	17 48	22 38	0 49	24 37	2 22	26 1	2 30	10 49	0 33	16 51	0 44	23 1	0 31	22 58	0 26	20 38	1 25	11 17	17 37	23 28	23 24	14 55	1 41	3 30
W 5	18 3	23 37	0s16	24 47	2 21	26 0	2 31	11 5	0 32	16 50	0 44	23 1	0 31	22 58	0 26	20 38	1 25	11 17	17 37	23 28	23 24	14 58	1 42	3 30
T 6	18 18	23 29	1 21	24 54	2 19	25 59	2 31	11 21	0 31	16 49	0 44	23 1	0 31	22 59	0 27	20 39	1 25	11 17	17 36	23 28	23 24	15 0	1 43	3 30
F 7	18 33	22 13	2 23	24 59	2 16	25 57	2 32	11 37	0 31	16 48	0 45	23 1	0 31	22 59	0 27	20 39	1 25	11 17	17 36	23 28	23 24	15 2	1 44	3 30
S 8	18 48	19 49	3 20	25 3	2 12	25 54	2 32	11 53	0 30	16 47	0 45	23 2	0 31	22 59	0 27	20 39	1 25	11 17	17 36	23 28	23 24	15 5	1 45	3 31
S 9	19 2	16 23	4 9	25 4	2 7	25 51	2 33	12 9	0 30	16 46	0 45	23 2	0 31	22 59	0 27	20 40	1 25	11 17	17 35	23 28	23 25	15 7	1 46	3 31
M10	19 16	12 2	4 45	25 4	2 2	25 47	2 33	12 24	0 29	16 45	0 45	23 2	0 30	22 59	0 27	20 40	1 25	11 17	17 35	23 28	23 25	15 9	1 47	3 31
T 11	19 29	6 55	5 7	25 2	1 55	25 43	2 33	12 40	0 28	16 44	0 46	23 2	0 30	22 59	0 27	20 40	1 25	11 17	17 34	23 28	23 25	15 11	1 48	3 31
W12	19 42	1 17	5 10	24 59	1 48	25 37	2 33	12 55	0 28	16 43	0 46	23 2	0 30	23 0	0 27	20 41	1 25	11 17	17 34	23 28	23 25	15 14	1 49	3 31
T 13	19 55	4n35	4 54	24 54	1 39	25 31	2 33	13 10	0 27	16 43	0 46	23 2	0 30	23 0	0 27	20 41	1 25	11 18	17 34	23 28	23 25	15 16	1 50	3 31
F 14	20 8	10 19	4 17	24 48	1 30	25 25	2 33	13 25	0 27	16 42	0 46	23 2	0 30	23 0	0 27	20 41	1 25	11 17	17 33	23 29	23 25	15 18	1 51	3 31
S 15	20 20	15 30	3 22	24 40	1 20	25 18	2 33	13 40	0 26	16 41	0 47	23 2	0 30	23 0	0 27	20 42	1 25	11 17	17 33	23 29	23 25	15 21	1 52	3 31
S 16	20 32	19 42	2 12	24 32	1 10	25 10	2 33	13 55	0 25	16 41	0 47	23 2	0 30	23 0	0 27	20 42	1 25	11 17	17 32	23 29	23 26	15 23	1 53	3 31
M17	20 44	22 30	0 54	24 22	0 58	25 2	2 32	14 9	0 25	16 40	0 47	23 2	0 30	23 1	0 27	20 42	1 25	11 17	17 32	23 29	23 26	15 25	1 54	3 31
T 18	20 55	23 42	0n27	24 11	0 46	24 53	2 31	14 24	0 24	16 40	0 47	23 2	0 30	23 1	0 27	20 43	1 25	11 17	17 31	23 29	23 26	15 27	1 55	3 32
W19	21 6	23 15	1 43	23 59	0 33	24 44	2 31	14 38	0 24	16 39	0 48	23 2	0 29	23 1	0 27	20 43	1 25	11 17	17 31	23 29	23 26	15 30	1 56	3 32
T 20	21 16	21 22	2 52	23 46	0 19	24 34	2 30	14 52	0 23	16 39	0 48	23 2	0 29	23 1	0 27	20 43	1 25	11 17	17 30	23 29	23 26	15 32	1 56	3 32
F 21	21 26	18 20	3 48	23 32	0 5	24 23	2 29	15 6	0 22	16 39	0 48	23 2	0 29	23 1	0 27	20 44	1 25	11 17	17 30	23 29	23 26	15 34	1 57	3 32
S 22	21 36	14 27	4 31	23 17	0s11	24 12	2 27	15 20	0 22	16 39	0 48	23 2	0 29	23 2	0 27	20 44	1 25	11 17	17 29	23 29	23 26	15 37	1 58	3 32
S 23	21 45	10 2	4 59	23 2	0 26	24 0	2 26	15 34	0 21	16 39	0 49	23 2	0 29	23 2	0 27	20 44	1 25	11 17	17 29	23 29	23 26	15 39	1 59	3 32
M24	21 54	5 18	5 13	22 45	0 42	23 48	2 25	15 47	0 20	16 38	0 49	23 2	0 29	23 2	0 27	20 45	1 25	11 16	17 28	23 29	23 27	15 41	1 59	3 32
T 25	22 3	0 27	5 12	22 29	0 59	23 35	2 23	16 1	0 20	16 38	0 49	23 2	0 29	23 2	0 27	20 45	1 25	11 16	17 28	23 29	23 27	15 43	2 0	3 32
W26	22 11	4s21	4 57	22 12	1 15	23 22	2 21	16 14	0 19	16 38	0 50	23 2	0 29	23 3	0 27	20 45	1 25	11 16	17 27	23 29	23 27	15 46	2 1	3 33
T 27	22 19	8 57	4 29	21 55	1 32	23 8	2 19	16 27	0 18	16 39	0 50	23 2	0 29	23 3	0 27	20 46	1 25	11 16	17 27	23 29	23 27	15 48	2 2	3 33
F 28	22 26	13 13	3 50	21 37	1 49	22 54	2 17	16 40	0 18	16 39	0 50	23 2	0 28	23 3	0 27	20 46	1 25	11 16	17 26	23 29	23 27	15 50	2 2	3 33
S 29	22 33	16 58	3 2	21 20	2 6	22 39	2 15	16 53	0 17	16 39	0 50	23 2	0 28	23 3	0 27	20 46	1 25	11 15	17 26	23 29	23 27	15 52	2 3	3 33
S 30	22 40	20 2	2 5	21 2	2 22	22 24	2 13	17 5	0 16	16 39	0 51	23 2	0 28	23 4	0 27	20 47	1 25	11 15	17 25	23 29	23 27	15 55	2 4	3 33
M31	22n46	22s17	1n 2	20n45	2s39	22n 9	2n10	17n18	0s16	16s40	0s51	23n 2	0s28	23s 4	0s27	20n47	1s25	11n15	17n25	23n29	23n27	15s57	2n 4	3n33

Julian Day Number = 2173357.5, Delta T = 12m07s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'08, Lahiri = 13°14'08 Julian Calendar 1 May 1238 == Greg. Calendar 8 May 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

JUNE 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 3	16♊42'55	4♉15	23°R 6	1♌57	19♉44	16°R51	3♋15	15°R38	11♊ 1	12°R 1	3°D34	4♋36	25♏15	27♓ 3	T 1
W 2	17 9 0	17°40'07	16°22	22♊34	2°57	20°26	16♒50	3°22	15♉36	11° 3	12♎ 0	3♋35	4°32	25°22	27° 4	W 2
T 3	17 12 56	18°37'19	28°39	22° 1	3°56	21° 9	16°49	3°30	15°34	11° 5	12° 0	3°36	4°29	25°29	27° 5	T 3
F 4	17 16 53	19°34'30	11♒ 8	21°26	4°54	21°51	16°48	3°38	15°32	11° 7	11°59	3°37	4°26	25°35	27° 6	F 4
S 5	17 20 49	20°31'41	23°52	20°51	5°53	22°34	16°47	3°45	15°30	11° 9	11°59	3°38	4°23	25°42	27° 7	S 5
S 6	17 24 46	21°28'52	6♓54	20°16	6°51	23°16	16°46	3°53	15°27	11°12	11°59	3°39	4°20	25°49	27° 8	S 6
M 7	17 28 42	22°26'03	20°16	19°42	7°48	23°58	16°44	4° 1	15°25	11°14	11°58	3°R39	4°17	25°55	27° 9	M 7
T 8	17 32 39	23°23'14	4♈ 0	19°10	8°45	24°40	16°42	4° 9	15°23	11°16	11°58	3°39	4°13	26° 2	27°10	T 8
W 9	17 36 35	24°20'25	18° 7	18°39	9°41	25°23	16°40	4°16	15°21	11°18	11°58	3°38	4°10	26° 9	27°10	W 9
T 10	17 40 32	25°17'37	2♉35	18°10	10°37	26° 5	16°38	4°24	15°19	11°20	11°58	3°37	4° 7	26°15	27°11	T 10
F 11	17 44 29	26°14'48	17°20	17°44	11°33	26°47	16°36	4°32	15°17	11°23	11°58	3°37	4° 4	26°22	27°12	F 11
S 12	17 48 25	27°12'00	2♊17	17°22	12°28	27°29	16°33	4°40	15°14	11°25	11°58	3°36	4° 1	26°29	27°12	S 12
S 13	17 52 22	28° 9'11	17°17	17° 3	13°23	28°11	16°31	4°47	15°12	11°27	11°57	3°36	3°57	26°36	27°13	S 13
M14	17 56 18	29° 6'23	2♋14	16°49	14°17	28°53	16°28	4°55	15°10	11°29	11°57	3°D35	3°54	26°42	27°14	M14
T 15	18 0 15	0♋ 3'35	16°58	16°39	15°10	29°34	16°25	5° 3	15° 8	11°31	11°D57	3°35	3°51	26°49	27°14	T 15
W16	18 4 11	1° 0'46	1♌23	16°33	16° 3	0♊16	16°21	5°11	15° 5	11°33	11°57	3°36	3°48	26°56	27°14	W16
T 17	18 8 8	1°57'58	15°24	16°D32	16°55	0°58	16°18	5°19	15° 3	11°36	11°57	3°36	3°45	27° 2	27°15	T 17
F 18	18 12 4	2°55'09	29° 0	16°37	17°47	1°40	16°14	5°26	15° 1	11°38	11°57	3°36	3°42	27° 9	27°15	F 18
S 19	18 16 1	3°52'20	12♍10	16°46	18°38	2°21	16°11	5°34	14°58	11°40	11°58	3°R36	3°38	27°16	27°15	S 19
S 20	18 19 58	4°49'31	24°57	17° 0	19°28	3° 3	16° 7	5°42	14°56	11°42	11°58	3°36	3°35	27°22	27°16	S 20
M21	18 23 54	5°46'41	7♎24	17°20	20°18	3°44	16° 2	5°50	14°54	11°44	11°58	3°D36	3°32	27°29	27°16	M21
T 22	18 27 51	6°43'52	19°35	17°44	21° 7	4°25	15°58	5°58	14°51	11°46	11°58	3°36	3°29	27°36	27°16	T 22
W23	18 31 47	7°41'03	1♏35	18°14	21°55	5° 7	15°54	6° 5	14°49	11°48	11°58	3°36	3°26	27°42	27°R16	W23
T 24	18 35 44	8°38'13	13°28	18°49	22°42	5°48	15°49	6°13	14°46	11°50	11°59	3°37	3°22	27°49	27°16	T 24
F 25	18 39 40	9°35'24	25°17	19°30	23°29	6°29	15°44	6°21	14°44	11°52	11°59	3°37	3°19	27°56	27°16	F 25
S 26	18 43 37	10°32'35	7♐ 8	20°15	24°15	7°10	15°39	6°29	14°42	11°54	11°59	3°38	3°16	28° 2	27°16	S 26
S 27	18 47 33	11°29'46	19° 2	21° 5	24°59	7°52	15°34	6°37	14°39	11°56	12° 0	3°39	3°13	28° 9	27°16	S 27
M28	18 51 30	12°26'58	1♑ 3	22° 1	25°43	8°33	15°29	6°44	14°37	11°58	12° 0	3°R39	3°10	28°16	27°15	M28
T 29	18 55 27	13°24'10	13°13	23° 1	26°26	9°14	15°24	6°52	14°34	12° 0	12° 1	3°39	3° 7	28°22	27°15	T 29
W30	18 59 23	14♋21'22	25♑34	24♊ 6	27♌ 8	9♊54	15♒18	7♋ 0	14♑32	12♊ 2	12♎ 1	3♋38	3♋ 3	28♏29	27♓15	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n52	23s32	0s 4	20n27	2s54	21n53	2n 8	17n30	0s15	16s40	0s51	23n 2	0s28	23s 4	0s27	20n47	1s25	11n14	17n24	23n29	23n27	15s59	2n 5	3n33
W 2	22 58	23 42	1 10	20 11	3 9	21 36	2 5	17 42	0 14	16 40	0 51	23 2	0 28	23 4	0 27	20 47	1 25	11 14	17 24	23 29	23 28	16 1	2 5	3 33
T 3	23 3	22 42	2 14	19 55	3 23	21 19	2 2	17 54	0 14	16 41	0 52	23 2	0 28	23 5	0 27	20 48	1 25	11 14	17 23	23 29	23 28	16 4	2 6	3 34
F 4	23 8	20 36	3 13	19 40	3 36	21 2	1 59	18 6	0 13	16 41	0 52	23 2	0 28	23 5	0 27	20 48	1 25	11 13	17 23	23 29	23 28	16 6	2 6	3 34
S 5	23 12	17 27	4 4	19 25	3 48	20 44	1 55	18 17	0 12	16 42	0 52	23 1	0 28	23 5	0 27	20 48	1 25	11 13	17 22	23 29	23 28	16 8	2 7	3 34
S 6	23 16	13 23	4 43	19 12	3 59	20 26	1 52	18 28	0 12	16 43	0 52	23 1	0 28	23 5	0 27	20 49	1 25	11 13	17 22	23 29	23 28	16 10	2 7	3 34
M 7	23 19	8 35	5 8	19 0	4 9	20 8	1 48	18 40	0 11	16 43	0 53	23 1	0 27	23 6	0 27	20 49	1 25	11 12	17 21	23 29	23 28	16 12	2 8	3 34
T 8	23 22	3 15	5 17	18 49	4 17	19 49	1 44	18 51	0 10	16 44	0 53	23 1	0 27	23 6	0 27	20 49	1 25	11 12	17 20	23 29	23 28	16 15	2 8	3 34
W 9	23 25	2n24	5 7	18 40	4 24	19 30	1 40	19 2	0 10	16 45	0 53	23 1	0 27	23 6	0 27	20 50	1 25	11 11	17 20	23 29	23 28	16 17	2 9	3 34
T 10	23 27	8 4	4 38	18 33	4 29	19 11	1 36	19 12	0 9	16 46	0 54	23 1	0 27	23 6	0 27	20 50	1 25	11 11	17 19	23 29	23 28	16 19	2 9	3 35
F 11	23 29	13 24	3 49	18 27	4 33	18 52	1 32	19 23	0 8	16 47	0 54	23 1	0 27	23 7	0 27	20 50	1 25	11 11	17 19	23 29	23 29	16 21	2 10	3 35
S 12	23 30	18 0	2 45	18 23	4 35	18 32	1 27	19 33	0 8	16 48	0 54	23 0	0 27	23 7	0 27	20 50	1 25	11 10	17 18	23 29	23 29	16 24	2 10	3 35
S 13	23 31	21 27	1 29	18 20	4 35	18 12	1 23	19 43	0 7	16 49	0 54	23 0	0 27	23 7	0 27	20 51	1 25	11 10	17 18	23 29	23 29	16 26	2 10	3 35
M14	23 32	23 24	0 8	18 19	4 35	17 51	1 18	19 53	0 6	16 50	0 55	23 0	0 27	23 7	0 27	20 51	1 25	11 9	17 17	23 29	23 29	16 28	2 11	3 35
T 15	23 32	23 40	1n14	18 21	4 33	17 31	1 13	20 3	0 6	16 51	0 55	23 0	0 27	23 8	0 27	20 51	1 25	11 9	17 17	23 29	23 29	16 30	2 11	3 35
W16	23 32	22 21	2 28	18 23	4 29	17 10	1 7	20 13	0 5	16 53	0 55	23 0	0 27	23 8	0 27	20 52	1 25	11 8	17 16	23 29	23 29	16 32	2 11	3 35
T 17	23 31	19 39	3 32	18 28	4 25	16 49	1 2	20 22	0 4	16 54	0 55	22 59	0 27	23 8	0 27	20 52	1 25	11 8	17 15	23 29	23 29	16 35	2 12	3 35
F 18	23 30	15 57	4 22	18 34	4 19	16 27	0 56	20 31	0 4	16 55	0 56	22 59	0 26	23 9	0 27	20 52	1 25	11 7	17 15	23 29	23 29	16 37	2 12	3 36
S 19	23 29	11 34	4 56	18 42	4 12	16 6	0 50	20 40	0 3	16 57	0 56	22 59	0 26	23 9	0 27	20 52	1 25	11 6	17 14	23 29	23 29	16 39	2 12	3 36
S 20	23 27	6 49	5 14	18 51	4 4	15 45	0 44	20 49	0 2	16 58	0 56	22 59	0 26	23 9	0 27	20 53	1 25	11 6	17 14	23 29	23 29	16 41	2 12	3 36
M21	23 25	1 54	5 17	19 1	3 55	15 23	0 38	20 58	0 2	16 59	0 56	22 58	0 26	23 9	0 27	20 53	1 25	11 5	17 13	23 29	23 29	16 43	2 13	3 36
T 22	23 22	2s59	5 5	19 13	3 46	15 1	0 32	21 6	0 1	17 1	0 57	22 58	0 26	23 10	0 27	20 53	1 25	11 5	17 12	23 29	23 30	16 46	2 13	3 36
W23	23 19	7 41	4 41	19 26	3 35	14 39	0 25	21 14	0 0	17 3	0 57	22 58	0 26	23 10	0 27	20 54	1 25	11 4	17 12	23 29	23 30	16 48	2 13	3 36
T 24	23 15	12 4	4 4	19 40	3 24	14 17	0 18	21 22	0n 1	17 4	0 57	22 58	0 26	23 10	0 27	20 54	1 25	11 3	17 11	23 29	23 30	16 50	2 13	3 36
F 25	23 11	15 58	3 17	19 55	3 13	13 55	0 11	21 30	0 1	17 6	0 57	22 57	0 26	23 11	0 27	20 54	1 25	11 3	17 11	23 29	23 30	16 52	2 13	3 37
S 26	23 7	19 15	2 22	20 11	3 1	13 33	0 4	21 38	0 2	17 8	0 58	22 57	0 26	23 11	0 28	20 54	1 25	11 2	17 10	23 29	23 30	16 54	2 13	3 37
S 27	23 2	21 45	1 20	20 27	2 48	13 11	0s 4	21 45	0 3	17 9	0 58	22 57	0 26	23 11	0 28	20 55	1 25	11 1	17 10	23 29	23 30	16 57	2 13	3 37
M28	22 57	23 18	0 14	20 43	2 35	12 49	0 12	21 52	0 3	17 11	0 58	22 56	0 26	23 11	0 28	20 55	1 25	11 1	17 9	23 29	23 30	16 59	2 13	3 37
T 29	22 52	23 45	0s53	21 0	2 21	12 27	0 19	22 0	0 4	17 13	0 58	22 56	0 25	23 12	0 28	20 55	1 25	11 0	17 8	23 29	23 30	17 1	2 13	3 37
W30	22n46	23s 3	1s59	21n17	2s 8	12n 5	0s28	22n 6	0n 5	17s15	0s59	22n56	0s25	23s12	0s28	20n55	1s25	10n59	17n 8	23n29	23n30	17s 3	2n13	3n37

Julian Day Number = 2173388.5, Delta T = 12m07s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'12, Lahiri = 13°14'13 Julian Calendar 1 June 1238 == Greg. Calendar 8 June 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

JULY 1238 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 20	15♋18'35	8♒ 7	25♊16	27♌49	10♊35	15°R12	7♋ 8	14°R30	12♊ 4	12♎ 2	3°R37	3♋ 0	28♏36	27°R14	T 1
F 2	19 7 16	16°15'49	20°54	26°31	28°29	11°16	15♒ 6	7°16	14♑27	12° 6	12° 2	3♋35	2°57	28°42	27♓14	F 2
S 3	19 11 13	17°13'03	3♓54	27°50	29° 8	11°57	15° 1	7°23	14°25	12° 8	12° 3	3°34	2°54	28°49	27°13	S 3
S 4	19 15 9	18°10'18	17° 8	29°14	29°46	12°37	14°54	7°31	14°22	12°10	12° 3	3°32	2°51	28°56	27°13	S 4
M 5	19 19 6	19° 7'33	0♈38	0♋42	0♍23	13°18	14°48	7°39	14°20	12°12	12° 4	3°31	2°48	29° 2	27°12	M 5
T 6	19 23 2	20° 4'50	14°23	2°15	0°58	13°59	14°42	7°47	14°18	12°14	12° 5	3°D30	2°44	29° 9	27°12	T 6
W 7	19 26 59	21° 2'08	28°23	3°51	1°32	14°39	14°35	7°54	14°15	12°15	12° 5	3°30	2°41	29°16	27°11	W 7
T 8	19 30 56	21°59'27	12♉37	5°32	2° 5	15°20	14°29	8° 2	14°13	12°17	12° 6	3°31	2°38	29°22	27°10	T 8
F 9	19 34 52	22°56'47	27° 2	7°16	2°36	16° 0	14°22	8°10	14°10	12°19	12° 7	3°32	2°35	29°29	27°10	F 9
S 10	19 38 49	23°54'08	11♊36	9° 4	3° 6	16°40	14°15	8°17	14° 8	12°21	12° 8	3°33	2°32	29°36	27° 9	S 10
S 11	19 42 45	24°51'30	26°14	10°54	3°35	17°20	14° 8	8°25	14° 6	12°23	12° 9	3°R34	2°28	29°42	27° 8	S 11
M12	19 46 42	25°48'53	10♋51	12°48	4° 2	18° 1	14° 1	8°32	14° 3	12°24	12°10	3°34	2°25	29°49	27° 7	M12
T 13	19 50 38	26°46'17	25°20	14°44	4°28	18°41	13°54	8°40	14° 1	12°26	12°10	3°33	2°22	29°56	27° 6	T 13
W14	19 54 35	27°43'42	9♌35	16°42	4°51	19°21	13°47	8°48	13°59	12°28	12°11	3°30	2°19	0♐ 2	27° 5	W14
T 15	19 58 32	28°41'07	23°31	18°43	5°14	20° 1	13°40	8°55	13°56	12°30	12°12	3°27	2°16	0° 9	27° 4	T 15
F 16	20 2 28	29°38'34	7♍ 6	20°44	5°34	20°41	13°32	9° 3	13°54	12°31	12°13	3°23	2°13	0°16	27° 3	F 16
S 17	20 6 25	0♌36'01	20°18	22°47	5°53	21°21	13°25	9°10	13°52	12°33	12°14	3°19	2° 9	0°22	27° 1	S 17
S 18	20 10 21	1°33'29	3♎ 7	24°51	6° 9	22° 0	13°17	9°18	13°50	12°34	12°16	3°16	2° 6	0°29	27° 0	S 18
M19	20 14 18	2°30'58	15°36	26°55	6°24	22°40	13°10	9°25	13°47	12°36	12°17	3°14	2° 3	0°36	26°59	M19
T 20	20 18 14	3°28'27	27°48	28°59	6°37	23°20	13° 2	9°32	13°45	12°38	12°18	3°12	2° 0	0°42	26°57	T 20
W21	20 22 11	4°25'58	9♏48	1♌ 4	6°48	23°59	12°55	9°40	13°43	12°39	12°19	3°D12	1°57	0°49	26°56	W21
T 22	20 26 7	5°23'29	21°41	3° 8	6°56	24°39	12°47	9°47	13°41	12°41	12°20	3°13	1°54	0°56	26°55	T 22
F 23	20 30 4	6°21'01	3♐30	5°11	7° 3	25°18	12°39	9°54	13°38	12°42	12°21	3°15	1°50	1° 2	26°53	F 23
S 24	20 34 1	7°18'34	15°22	7°14	7° 7	25°58	12°31	10° 2	13°36	12°44	12°23	3°17	1°47	1° 9	26°52	S 24
S 25	20 37 57	8°16'09	27°20	9°16	7°R 9	26°37	12°24	10° 9	13°34	12°45	12°24	3°R18	1°44	1°16	26°50	S 25
M26	20 41 54	9°13'44	9♑29	11°17	7° 9	27°16	12°16	10°16	13°32	12°47	12°25	3°18	1°41	1°22	26°48	M26
T 27	20 45 50	10°11'21	21°51	13°16	7° 6	27°56	12° 8	10°23	13°30	12°48	12°27	3°16	1°38	1°29	26°47	T 27
W28	20 49 47	11° 8'58	4♒28	15°15	7° 1	28°35	12° 0	10°30	13°28	12°49	12°28	3°13	1°34	1°36	26°45	W28
T 29	20 53 43	12° 6'37	17°21	17°12	6°53	29°14	11°52	10°37	13°26	12°51	12°29	3° 8	1°31	1°42	26°43	T 29
F 30	20 57 40	13° 4'17	0♓29	19° 8	6°44	29°53	11°44	10°44	13°24	12°52	12°31	3° 2	1°28	1°49	26°42	F 30
S 31	21 1 36	14♌ 1'59	13♓53	21♌ 3	6♍31	0♋32	11♒37	10♋51	13♑22	12♊53	12♎32	2♋55	1♋25	1♐56	26♓40	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n39	21s12	3s 0	21n33	1s54	11n43	0s36	22n13	0n 6	17s17	0s59	22n55	0s25	23s12	0s28	20n56	1s25	10n58	17n 7	23n29	23n30	17s 5	2n13	3n37	
F 2	22 33	18 16	3 53	21 49	1 40	11 21	0 45	22 20	0 6	17 19	0 59	22 55	0 25	23 12	0 28	20 56	1 25	10 58	17 7	23 29	23 30	17 7	2 13	3 38	
S 3	22 25	14 23	4 35	22 5	1 26	10 59	0 53	22 26	0 7	17 21	0 59	22 55	0 25	23 13	0 28	20 56	1 25	10 57	17 6	23 29	23 30	17 10	2 13	3 38	
S 4	22 18	9 45	5 3	22 20	1 12	10 38	1 2	22 32	0 8	17 23	1 0	22 54	0 25	23 13	0 28	20 56	1 25	10 56	17 6	23 29	23 30	17 12	2 13	3 38	
M 5	22 10	4 34	5 16	22 34	0 59	10 16	1 12	22 38	0 8	17 25	1 0	22 54	0 25	23 13	0 28	20 56	1 25	10 55	17 5	23 29	23 30	17 14	2 13	3 38	
T 6	22 2	0n56	5 10	22 46	0 45	9 55	1 21	22 43	0 9	17 27	1 0	22 54	0 25	23 13	0 28	20 57	1 25	10 55	17 4	23 29	23 31	17 16	2 13	3 38	
W 7	21 53	6 29	4 47	22 57	0 32	9 33	1 31	22 49	0 10	17 29	1 0	22 53	0 25	23 14	0 28	20 57	1 25	10 54	17 4	23 29	23 31	17 18	2 13	3 38	
T 8	21 44	11 47	4 5	23 7	0 19	9 12	1 41	22 54	0 11	17 31	1 0	22 53	0 25	23 14	0 28	20 57	1 25	10 53	17 3	23 29	23 31	17 20	2 12	3 38	
F 9	21 35	16 31	3 8	23 14	0 6	8 52	1 51	22 59	0 11	17 33	1 1	22 52	0 25	23 14	0 28	20 57	1 25	10 52	17 3	23 29	23 31	17 22	2 12	3 38	
S 10	21 25	20 19	1 58	23 20	0n 6	8 31	2 1	23 4	0 12	17 35	1 1	22 52	0 25	23 15	0 28	20 58	1 25	10 51	17 2	23 29	23 31	17 25	2 12	3 39	
S 11	21 15	22 49	0 40	23 23	0 18	8 11	2 12	23 9	0 13	17 38	1 1	22 52	0 25	23 15	0 28	20 58	1 25	10 51	17 2	23 29	23 31	17 27	2 12	3 39	
M12	21 4	23 45	0n40	23 24	0 29	7 51	2 23	23 13	0 14	17 40	1 1	22 51	0 24	23 15	0 28	20 58	1 25	10 50	17 1	23 29	23 31	17 29	2 11	3 39	
T 13	20 53	23 5	1 57	23 23	0 40	7 32	2 34	23 17	0 14	17 42	1 1	22 51	0 24	23 15	0 28	20 58	1 25	10 49	17 1	23 29	23 31	17 31	2 11	3 39	
W14	20 42	20 54	3 5	23 19	0 50	7 12	2 45	23 21	0 15	17 44	1 2	22 50	0 24	23 16	0 28	20 58	1 25	10 48	17 0	23 29	23 31	17 33	2 11	3 39	
T 15	20 31	17 31	4 1	23 12	0 59	6 54	2 57	23 25	0 16	17 47	1 2	22 50	0 24	23 16	0 28	20 59	1 25	10 47	16 59	23 30	23 31	17 35	2 11	3 39	
F 16	20 19	13 17	4 41	23 2	1 7	6 35	3 8	23 29	0 16	17 49	1 2	22 50	0 24	23 16	0 28	20 59	1 25	10 46	16 59	23 30	23 31	17 37	2 10	3 39	
S 17	20 6	8 32	5 6	22 50	1 15	6 18	3 20	23 32	0 17	17 51	1 2	22 49	0 24	23 16	0 28	20 59	1 25	10 45	16 58	23 30	23 31	17 39	2 10	3 39	
S 18	19 54	3 33	5 13	22 35	1 21	6 0	3 32	23 36	0 18	17 54	1 2	22 49	0 24	23 16	0 28	20 59	1 25	10 45	16 58	23 30	23 31	17 42	2 9	3 39	
M19	19 41	1s27	5 6	22 17	1 27	5 44	3 44	23 39	0 19	17 56	1 2	22 48	0 24	23 17	0 28	20 59	1 26	10 44	16 57	23 30	23 31	17 44	2 9	3 40	
T 20	19 28	6 18	4 45	21 57	1 32	5 27	3 57	23 42	0 19	17 58	1 3	22 48	0 24	23 17	0 28	20 59	1 26	10 43	16 57	23 30	23 31	17 46	2 9	3 40	
W21	19 14	10 50	4 12	21 34	1 37	5 12	4 9	23 44	0 20	18 1	1 3	22 47	0 24	23 17	0 28	21 0	1 26	10 42	16 56	23 30	23 31	17 48	2 8	3 40	
T 22	19 0	14 54	3 28	21 10	1 40	4 57	4 22	23 47	0 21	18 3	1 3	22 47	0 24	23 17	0 28	21 0	1 26	10 41	16 56	23 30	23 31	17 50	2 8	3 40	
F 23	18 46	18 24	2 36	20 43	1 43	4 43	4 34	23 49	0 22	18 5	1 3	22 46	0 24	23 18	0 28	21 0	1 26	10 40	16 55	23 30	23 32	17 52	2 7	3 40	
S 24	18 31	21 8	1 36	20 14	1 45	4 29	4 47	23 51	0 22	18 8	1 3	22 46	0 24	23 18	0 28	21 0	1 26	10 39	16 55	23 30	23 32	17 54	2 7	3 40	
S 25	18 16	22 58	0 33	19 43	1 46	4 17	5 0	23 53	0 23	18 10	1 3	22 45	0 24	23 18	0 28	21 0	1 26	10 38	16 54	23 30	23 32	17 56	2 6	3 40	
M26	18 1	23 45	0s34	19 10	1 46	4 5	5 13	23 55	0 24	18 12	1 3	22 45	0 23	23 18	0 28	21 0	1 26	10 37	16 54	23 30	23 32	17 58	2 6	3 40	
T 27	17 46	23 24	1 39	18 36	1 46	3 54	5 26	23 56	0 25	18 15	1 4	22 44	0 23	23 18	0 28	21 1	1 26	10 36	16 53	23 30	23 32	18 0	2 5	3 40	
W28	17 30	21 50	2 41	18 0	1 45	3 44	5 39	23 57	0 25	18 17	1 4	22 44	0 23	23 19	0 28	21 1	1 26	10 35	16 53	23 30	23 32	18 3	2 4	3 40	
T 29	17 14	19 8	3 36	17 24	1 44	3 35	5 51	23 58	0 26	18 19	1 4	22 43	0 23	23 19	0 28	21 1	1 26	10 34	16 52	23 30	23 32	18 5	2 4	3 41	
F 30	16 58	15 25	4 21	16 46	1 42	3 26	6 4	23 59	0 27	18 22	1 4	22 43	0 23	23 19	0 28	21 1	1 26	10 33	16 52	23 30	23 32	18 7	2 3	3 41	
S 31	16n41	10s52	4s52	16n 7	1n40	3n19	6s17	24n 0	0n28	18s24	1s 4	22n42	0s23	23s19	0s28	21n 1	1s26	10n32	16n51	23n30	23n32	18s 9	2n 2	3n41	

Julian Day Number = 2173418.5, Delta T = 12m07s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'16, Lahiri = 13°14'17 Julian Calendar 1 July 1238 == Greg. Calendar 8 July 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

AUGUST 1238 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 33	14♌59'42	27♓29	22♌56	6°R17	1♋11	11°R29	10♋58	13°R20	12♊54	12♎34	2°R49	1♋22	2♐ 2	26°R38	S 1
M 2	21 9 30	15°57'27	11♈16	24°48	6♍ 0	1°50	11♒21	11° 5	13♑18	12°56	12°35	2♋43	1°19	2° 9	26♓36	M 2
T 3	21 13 26	16°55'14	25°12	26°39	5°41	2°28	11°13	11°12	13°16	12°57	12°37	2°39	1°15	2°16	26°34	T 3
W 4	21 17 23	17°53'02	9♉14	28°28	5°19	3° 7	11° 5	11°19	13°14	12°58	12°38	2°37	1°12	2°22	26°32	W 4
T 5	21 21 19	18°50'52	23°22	0♍16	4°56	3°46	10°58	11°26	13°13	12°59	12°40	2°D37	1° 9	2°29	26°30	T 5
F 6	21 25 16	19°48'44	7♊33	2° 2	4°30	4°24	10°50	11°33	13°11	13° 0	12°42	2°38	1° 6	2°36	26°28	F 6
S 7	21 29 12	20°46'38	21°47	3°47	4° 3	5° 3	10°42	11°39	13° 9	13° 1	12°43	2°39	1° 3	2°42	26°26	S 7
S 8	21 33 9	21°44'33	6♋ 0	5°31	3°33	5°41	10°35	11°46	13° 7	13° 3	12°45	2°R39	1° 0	2°49	26°24	S 8
M 9	21 37 5	22°42'31	20°11	7°13	3° 2	6°20	10°27	11°52	13° 6	13° 4	12°47	2°38	0°56	2°56	26°22	M 9
T 10	21 41 2	23°40'30	4♌15	8°55	2°30	6°58	10°20	11°59	13° 4	13° 5	12°48	2°35	0°53	3° 2	26°19	T 10
W11	21 44 59	24°38'31	18°10	10°34	1°56	7°36	10°12	12° 5	13° 2	13° 6	12°50	2°29	0°50	3° 9	26°17	W11
T 12	21 48 55	25°36'34	1♍51	12°13	1°21	8°14	10° 5	12°12	13° 1	13° 6	12°52	2°21	0°47	3°16	26°15	T 12
F 13	21 52 52	26°34'38	15°15	13°50	0°46	8°52	9°58	12°18	12°59	13° 7	12°54	2°12	0°44	3°22	26°12	F 13
S 14	21 56 48	27°32'44	28°20	15°26	0° 9	9°31	9°51	12°25	12°58	13° 8	12°55	2° 2	0°40	3°29	26°10	S 14
S 15	22 0 45	28°30'51	11♎ 6	17° 1	29♌33	10° 8	9°43	12°31	12°56	13° 9	12°57	1°53	0°37	3°36	26° 8	S 15
M16	22 4 41	29°29'00	23°34	18°35	28°55	10°46	9°37	12°37	12°55	13°10	12°59	1°46	0°34	3°42	26° 5	M16
T 17	22 8 38	0♍27'10	5♏45	20° 7	28°18	11°24	9°30	12°43	12°54	13°11	13° 1	1°41	0°31	3°49	26° 3	T 17
W18	22 12 34	1°25'22	17°44	21°38	27°42	12° 2	9°23	12°49	12°52	13°11	13° 3	1°38	0°28	3°56	26° 1	W18
T 19	22 16 31	2°23'36	29°36	23° 8	27° 5	12°40	9°16	12°55	12°51	13°12	13° 5	1°D37	0°25	4° 2	25°58	T 19
F 20	22 20 27	3°21'51	11♐25	24°36	26°30	13°17	9°10	13° 1	12°50	13°13	13° 7	1°37	0°21	4° 9	25°56	F 20
S 21	22 24 24	4°20'07	23°17	26° 4	25°55	13°55	9° 3	13° 7	12°48	13°14	13° 9	1°37	0°18	4°16	25°53	S 21
S 22	22 28 21	5°18'26	5♑17	27°30	25°22	14°32	8°57	13°13	12°47	13°14	13°11	1°R38	0°15	4°22	25°50	S 22
M23	22 32 17	6°16'45	17°31	28°55	24°50	15° 9	8°51	13°19	12°46	13°15	13°13	1°36	0°12	4°29	25°48	M23
T 24	22 36 14	7°15'07	0♒ 1	0♎18	24°19	15°47	8°45	13°24	12°45	13°15	13°15	1°33	0° 9	4°36	25°45	T 24
W25	22 40 10	8°13'30	12°51	1°40	23°51	16°24	8°39	13°30	12°44	13°16	13°17	1°27	0° 6	4°42	25°43	W25
T 26	22 44 7	9°11'55	26° 1	3° 1	23°24	17° 1	8°33	13°35	12°43	13°16	13°19	1°19	0° 2	4°49	25°40	T 26
F 27	22 48 3	10°10'22	9♓33	4°20	22°59	17°38	8°28	13°41	12°42	13°17	13°21	1° 8	29♊59	4°55	25°37	F 27
S 28	22 52 0	11° 8'50	23°22	5°38	22°36	18°15	8°22	13°46	12°41	13°17	13°23	0°57	29°56	5° 2	25°35	S 28
S 29	22 55 56	12° 7'21	7♈25	6°54	22°16	18°52	8°17	13°52	12°40	13°18	13°25	0°46	29°53	5° 9	25°32	S 29
M30	22 59 53	13° 5'53	21°37	8° 9	21°58	19°29	8°12	13°57	12°40	13°18	13°27	0°37	29°50	5°15	25°29	M30
T 31	23 3 50	14♍ 4'28	5♉54	9♎22	21♌42	20♋ 6	8♒ 7	14♋ 2	12♑39	13♊18	13♎30	0♋30	29♊46	5♐22	25♓27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n24	5s42	5s 8	15n27	1n37	3n13	6s29	24n 0	0n29	18s26	1s 4	22n42	0s23	23s19	0s28	21n 1	1s26	10n31	16n51	23n30	23n32	18s11	2n 2	3n41
M 2	16 7	0 13	5 6	14 46	1 33	3 8	6 41	24 1	0 29	18 29	1 4	22 41	0 23	23 20	0 28	21 1	1 26	10 30	16 50	23 31	23 32	18 13	2 1	3 41
T 3	15 50	5n21	4 46	14 5	1 29	3 4	6 53	24 1	0 30	18 31	1 4	22 41	0 23	23 20	0 28	21 1	1 26	10 29	16 50	23 31	23 32	18 15	2 0	3 41
W 4	15 32	10 42	4 9	13 23	1 25	3 1	7 4	24 1	0 31	18 33	1 4	22 40	0 23	23 20	0 28	21 2	1 26	10 28	16 49	23 31	23 32	18 17	2 0	3 41
T 5	15 14	15 32	3 16	12 41	1 20	3 0	7 15	24 1	0 32	18 35	1 5	22 40	0 23	23 20	0 28	21 2	1 26	10 27	16 49	23 31	23 32	18 19	1 59	3 41
F 6	14 56	19 30	2 11	11 58	1 15	2 59	7 25	24 0	0 32	18 37	1 5	22 39	0 23	23 20	0 28	21 2	1 26	10 26	16 48	23 31	23 32	18 21	1 58	3 41
S 7	14 38	22 19	0 58	11 15	1 10	3 0	7 35	24 0	0 33	18 40	1 5	22 39	0 23	23 21	0 28	21 2	1 26	10 25	16 48	23 31	23 32	18 23	1 57	3 41
S 8	14 19	23 42	0n18	10 31	1 4	3 1	7 45	23 59	0 34	18 42	1 5	22 38	0 23	23 21	0 28	21 2	1 26	10 24	16 48	23 31	23 32	18 25	1 57	3 41
M 9	14 0	23 33	1 33	9 48	0 58	3 4	7 53	23 58	0 35	18 44	1 5	22 38	0 23	23 21	0 28	21 2	1 26	10 23	16 47	23 31	23 32	18 27	1 56	3 41
T 10	13 41	21 53	2 42	9 4	0 52	3 8	8 1	23 57	0 35	18 46	1 5	22 37	0 22	23 21	0 28	21 2	1 26	10 22	16 47	23 31	23 32	18 29	1 55	3 41
W11	13 22	18 56	3 40	8 20	0 45	3 13	8 9	23 55	0 36	18 48	1 5	22 37	0 22	23 21	0 28	21 2	1 26	10 21	16 46	23 31	23 32	18 31	1 54	3 41
T 12	13 2	14 58	4 24	7 36	0 39	3 19	8 15	23 54	0 37	18 50	1 5	22 36	0 22	23 21	0 27	21 2	1 26	10 20	16 46	23 31	23 32	18 33	1 53	3 41
F 13	12 42	10 19	4 52	6 52	0 32	3 26	8 21	23 52	0 38	18 52	1 5	22 36	0 22	23 21	0 27	21 2	1 26	10 19	16 46	23 31	23 32	18 35	1 52	3 41
S 14	12 23	5 19	5 5	6 8	0 25	3 34	8 26	23 50	0 39	18 54	1 5	22 35	0 22	23 22	0 27	21 2	1 26	10 18	16 45	23 31	23 32	18 37	1 51	3 42
S 15	12 2	0 13	5 2	5 25	0 17	3 43	8 29	23 48	0 39	18 56	1 5	22 35	0 22	23 22	0 27	21 2	1 26	10 17	16 45	23 31	23 32	18 39	1 51	3 42
M16	11 42	4s47	4 44	4 41	0 10	3 53	8 32	23 46	0 40	18 58	1 5	22 34	0 22	23 22	0 27	21 3	1 27	10 16	16 44	23 32	23 32	18 41	1 50	3 42
T 17	11 21	9 30	4 14	3 58	0 2	4 3	8 35	23 44	0 41	19 0	1 5	22 34	0 22	23 22	0 27	21 3	1 27	10 15	16 44	23 32	23 32	18 43	1 49	3 42
W18	11 1	13 47	3 33	3 15	0s 6	4 15	8 36	23 41	0 42	19 2	1 5	22 33	0 22	23 22	0 27	21 3	1 27	10 13	16 44	23 32	23 32	18 45	1 48	3 42
T 19	10 40	17 30	2 43	2 32	0 13	4 27	8 36	23 38	0 43	19 3	1 5	22 33	0 22	23 22	0 27	21 3	1 27	10 12	16 43	23 32	23 32	18 47	1 47	3 42
F 20	10 19	20 30	1 46	1 49	0 21	4 39	8 35	23 36	0 43	19 5	1 5	22 32	0 22	23 22	0 27	21 3	1 27	10 11	16 43	23 32	23 32	18 50	1 46	3 42
S 21	9 58	22 38	0 44	1 7	0 29	4 52	8 34	23 32	0 44	19 7	1 5	22 32	0 22	23 22	0 27	21 3	1 27	10 10	16 43	23 32	23 32	18 52	1 45	3 42
S 22	9 36	23 45	0s20	0 25	0 38	5 5	8 31	23 29	0 45	19 9	1 5	22 31	0 22	23 22	0 27	21 3	1 27	10 9	16 42	23 32	23 32	18 54	1 44	3 42
M23	9 15	23 46	1 24	0s16	0 46	5 19	8 28	23 26	0 46	19 10	1 5	22 31	0 22	23 23	0 27	21 3	1 27	10 8	16 42	23 32	23 32	18 55	1 43	3 42
T 24	8 53	22 36	2 25	0 57	0 54	5 32	8 24	23 22	0 47	19 12	1 5	22 30	0 22	23 23	0 27	21 3	1 27	10 7	16 42	23 32	23 32	18 57	1 42	3 42
W25	8 31	20 14	3 21	1 37	1 2	5 46	8 19	23 19	0 47	19 13	1 5	22 30	0 22	23 23	0 27	21 3	1 27	10 6	16 41	23 32	23 32	18 59	1 41	3 42
T 26	8 9	16 46	4 7	2 17	1 10	6 0	8 13	23 15	0 48	19 15	1 5	22 29	0 21	23 23	0 27	21 3	1 27	10 5	16 41	23 32	23 32	19 1	1 40	3 42
F 27	7 47	12 21	4 41	2 56	1 19	6 14	8 7	23 11	0 49	19 16	1 5	22 29	0 21	23 23	0 27	21 3	1 27	10 4	16 41	23 32	23 32	19 3	1 39	3 42
S 28	7 25	7 13	4 59	3 35	1 27	6 28	8 0	23 7	0 50	19 18	1 5	22 28	0 21	23 23	0 27	21 3	1 27	10 3	16 40	23 32	23 32	19 5	1 38	3 42
S 29	7 3	1 38	5 0	4 12	1 35	6 41	7 53	23 2	0 51	19 19	1 5	22 28	0 21	23 23	0 27	21 3	1 27	10 2	16 40	23 32	23 32	19 7	1 36	3 42
M30	6 40	4n 6	4 42	4 50	1 43	6 55	7 45	22 58	0 52	19 20	1 5	22 27	0 21	23 23	0 27	21 3	1 27	10 1	16 40	23 32	23 32	19 9	1 35	3 42
T 31	6n17	9n40	4s 7	5s26	1s51	7n 8	7s36	22n53	0n52	19s22	1s 5	22n27	0s21	23s23	0s27	21n 3	1s27	10n 0	16n39	23n32	23n32	19s11	1n34	3n42

Julian Day Number = 2173449.5, Delta T = 12m06s
Ecliptic obliquity = 23°32'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'21, Lahiri = 13°14'21 Julian Calendar 1 Aug. 1238 == Greg. Calendar 8 Aug. 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

SEPTEMBER 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 7 46	15♍ 3'05	20♉10	10♎34	21°R28	20♋42	8°R 2	14♋ 7	12°R38	13♊19	13♎32	0°R25	29♊43	5♐29	25°R24	W 1
T 2	23 11 43	16° 1'45	4♊23	11°43	21♌17	21°19	7♒57	14°12	12♏37	13°19	13°34	0♋23	29°40	5°35	25♓21	T 2
F 3	23 15 39	17° 0'27	18°31	12°51	21° 9	21°55	7°53	14°17	12°37	13°19	13°36	0°D23	29°37	5°42	25°19	F 3
S 4	23 19 36	17°59'11	2♋32	13°56	21° 3	22°32	7°48	14°22	12°36	13°19	13°38	0°R23	29°34	5°49	25°16	S 4
S 5	23 23 32	18°57'57	16°27	15° 0	20°59	23° 8	7°44	14°27	12°36	13°19	13°41	0°22	29°31	5°55	25°13	S 5
M 6	23 27 29	19°56'46	0♌14	16° 1	20°D58	23°44	7°40	14°31	12°35	13°20	13°43	0°20	29°27	6° 2	25°10	M 6
T 7	23 31 25	20°55'37	13°54	16°59	20°59	24°21	7°36	14°36	12°35	13°20	13°45	0°14	29°24	6° 9	25° 8	T 7
W 8	23 35 22	21°54'30	27°24	17°55	21° 2	24°57	7°33	14°41	12°34	13°20	13°47	0° 6	29°21	6°15	25° 5	W 8
T 9	23 39 19	22°53'25	10♍43	18°48	21° 8	25°33	7°29	14°45	12°34	13°R20	13°50	29♊55	29°18	6°22	25° 2	T 9
F 10	23 43 15	23°52'22	23°48	19°38	21°16	26° 9	7°26	14°49	12°34	13°20	13°52	29°42	29°15	6°29	24°59	F 10
S 11	23 47 12	24°51'22	6♎40	20°24	21°26	26°44	7°23	14°54	12°34	13°20	13°54	29°28	29°11	6°35	24°56	S 11
S 12	23 51 8	25°50'23	19°15	21° 6	21°38	27°20	7°20	14°58	12°33	13°20	13°56	29°15	29° 8	6°42	24°54	S 12
M13	23 55 5	26°49'26	1♏36	21°45	21°52	27°56	7°17	15° 2	12°33	13°20	13°59	29° 4	29° 5	6°49	24°51	M13
T 14	23 59 1	27°48'32	13°44	22°18	22° 9	28°31	7°15	15° 6	12°33	13°19	14° 1	28°56	29° 2	6°55	24°48	T 14
W15	0 2 58	28°47'39	25°40	22°48	22°27	29° 7	7°12	15°10	12°D33	13°19	14° 3	28°50	28°59	7° 2	24°45	W15
T 16	0 6 54	29°46'48	7♐30	23°11	22°47	29°42	7°10	15°14	12°33	13°19	14° 6	28°47	28°56	7° 9	24°43	T 16
F 17	0 10 51	0♎45'59	19°17	23°29	23° 9	0♌17	7° 8	15°17	12°33	13°19	14° 8	28°46	28°52	7°15	24°40	F 17
S 18	0 14 48	1°45'11	1♑ 8	23°41	23°33	0°53	7° 7	15°21	12°33	13°18	14°10	28°46	28°49	7°22	24°37	S 18
S 19	0 18 44	2°44'26	13° 7	23°R47	23°59	1°28	7° 5	15°25	12°34	13°18	14°13	28°45	28°46	7°29	24°34	S 19
M20	0 22 41	3°43'42	25°20	23°45	24°26	2° 3	7° 4	15°28	12°34	13°18	14°15	28°44	28°43	7°35	24°32	M20
T 21	0 26 37	4°43'01	7♒52	23°36	24°55	2°38	7° 3	15°31	12°34	13°17	14°18	28°40	28°40	7°42	24°29	T 21
W22	0 30 34	5°42'21	20°47	23°19	25°25	3°12	7° 2	15°35	12°34	13°17	14°20	28°34	28°37	7°49	24°26	W22
T 23	0 34 30	6°41'43	4♓ 8	22°53	25°57	3°47	7° 1	15°38	12°35	13°17	14°22	28°26	28°33	7°55	24°23	T 23
F 24	0 38 27	7°41'06	17°54	22°20	26°30	4°22	7° 1	15°41	12°35	13°16	14°25	28°15	28°30	8° 2	24°21	F 24
S 25	0 42 23	8°40'32	2♈ 4	21°38	27° 5	4°56	7° 0	15°44	12°36	13°16	14°27	28° 3	28°27	8° 9	24°18	S 25
S 26	0 46 20	9°40'00	16°31	20°48	27°41	5°31	7°D 0	15°47	12°36	13°15	14°30	27°52	28°24	8°15	24°15	S 26
M27	0 50 16	10°39'29	1♉10	19°51	28°18	6° 5	7° 0	15°49	12°37	13°15	14°32	27°41	28°21	8°22	24°13	M27
T 28	0 54 13	11°39'01	15°53	18°47	28°57	6°39	7° 0	15°52	12°38	13°14	14°34	27°34	28°17	8°28	24°10	T 28
W29	0 58 10	12°38'36	0♊32	17°38	29°37	7°13	7° 1	15°55	12°38	13°13	14°37	27°29	28°14	8°35	24° 7	W29
T 30	1 2 6	13♎38'12	15♊ 2	16♎25	0♍18	7♌47	7♒ 2	15♋57	12♏39	13♊13	14♎39	27♊26	28♊11	8♐42	24♓ 5	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n55	14n43	3s16	6s 2	1s59	7n20	7s27	22n49	0n53	19s23	1s 5	22n26	0s21	23s23	0s27	21n 3	1s27	9n59	16n39	23n32	23n32	19s13	1n33	3n42
T 2	5 32	18 56	2 13	6 36	2 7	7 33	7 18	22 44	0 54	19 24	1 5	22 26	0 21	23 23	0 27	21 3	1 27	9 57	16 39	23 32	23 32	19 15	1 32	3 42
F 3	5 9	22 0	1 3	7 10	2 15	7 45	7 8	22 39	0 55	19 25	1 5	22 25	0 21	23 23	0 27	21 3	1 27	9 56	16 39	23 32	23 32	19 17	1 31	3 42
S 4	4 46	23 42	0n11	7 42	2 23	7 56	6 58	22 34	0 56	19 26	1 5	22 25	0 21	23 23	0 27	21 3	1 27	9 55	16 38	23 32	23 32	19 19	1 30	3 42
S 5	4 23	23 55	1 24	8 14	2 30	8 7	6 48	22 28	0 57	19 27	1 5	22 24	0 21	23 23	0 27	21 3	1 27	9 54	16 38	23 32	23 32	19 21	1 29	3 42
M 6	4 0	22 38	2 31	8 44	2 37	8 17	6 37	22 23	0 57	19 28	1 5	22 24	0 21	23 23	0 27	21 3	1 27	9 53	16 38	23 32	23 32	19 23	1 28	3 41
T 7	3 37	20 3	3 28	9 13	2 44	8 27	6 27	22 18	0 58	19 29	1 5	22 23	0 21	23 23	0 27	21 3	1 27	9 52	16 38	23 32	23 32	19 25	1 26	3 41
W 8	3 13	16 23	4 13	9 41	2 51	8 36	6 16	22 12	0 59	19 30	1 5	22 23	0 21	23 23	0 27	21 3	1 27	9 51	16 38	23 32	23 32	19 27	1 25	3 41
T 9	2 50	11 57	4 44	10 7	2 57	8 45	6 5	22 6	1 0	19 31	1 5	22 23	0 21	23 24	0 27	21 3	1 28	9 50	16 37	23 32	23 32	19 29	1 24	3 41
F 10	2 27	7 2	4 59	10 32	3 3	8 53	5 54	22 0	1 1	19 32	1 5	22 22	0 21	23 24	0 27	21 3	1 28	9 49	16 37	23 32	23 32	19 31	1 23	3 41
S 11	2 3	1 54	4 58	10 55	3 9	9 0	5 43	21 54	1 2	19 33	1 5	22 22	0 20	23 24	0 27	21 3	1 28	9 48	16 37	23 32	23 32	19 33	1 22	3 41
S 12	1 40	3s13	4 42	11 16	3 14	9 7	5 32	21 48	1 3	19 33	1 4	22 21	0 20	23 24	0 27	21 3	1 28	9 47	16 37	23 32	23 32	19 35	1 21	3 41
M13	1 16	8 7	4 14	11 35	3 19	9 13	5 20	21 42	1 3	19 34	1 4	22 21	0 20	23 24	0 27	21 3	1 28	9 46	16 37	23 32	23 32	19 37	1 19	3 41
T 14	0 53	12 37	3 34	11 51	3 23	9 18	5 9	21 35	1 4	19 34	1 4	22 21	0 20	23 24	0 27	21 2	1 28	9 45	16 37	23 32	23 32	19 38	1 18	3 41
W15	0 29	16 34	2 46	12 5	3 26	9 23	4 58	21 29	1 5	19 35	1 4	22 20	0 20	23 24	0 27	21 2	1 28	9 44	16 36	23 32	23 32	19 40	1 17	3 41
T 16	0 5	19 50	1 50	12 17	3 29	9 27	4 47	21 22	1 6	19 35	1 4	22 20	0 20	23 23	0 27	21 2	1 28	9 43	16 36	23 32	23 32	19 42	1 16	3 41
F 17	0s18	22 16	0 50	12 25	3 31	9 30	4 36	21 16	1 7	19 36	1 4	22 19	0 20	23 23	0 27	21 2	1 28	9 42	16 36	23 32	23 32	19 44	1 15	3 41
S 18	0 42	23 45	0s13	12 31	3 32	9 33	4 25	21 9	1 8	19 36	1 4	22 19	0 20	23 23	0 27	21 2	1 28	9 41	16 36	23 32	23 32	19 46	1 14	3 41
S 19	1 6	24 8	1 15	12 33	3 32	9 35	4 14	21 2	1 9	19 36	1 4	22 19	0 20	23 23	0 27	21 2	1 28	9 40	16 36	23 32	23 32	19 48	1 12	3 41
M20	1 29	23 23	2 16	12 31	3 30	9 36	4 4	20 55	1 10	19 37	1 4	22 18	0 20	23 23	0 27	21 2	1 28	9 39	16 36	23 32	23 32	19 50	1 11	3 40
T 21	1 53	21 27	3 11	12 25	3 28	9 37	3 53	20 48	1 10	19 37	1 4	22 18	0 20	23 23	0 27	21 2	1 28	9 38	16 36	23 32	23 32	19 52	1 10	3 40
W22	2 17	18 23	3 59	12 15	3 24	9 37	3 42	20 41	1 11	19 37	1 4	22 18	0 20	23 23	0 27	21 2	1 28	9 37	16 36	23 32	23 32	19 54	1 9	3 40
T 23	2 40	14 18	4 35	12 0	3 18	9 36	3 32	20 33	1 12	19 37	1 4	22 17	0 20	23 23	0 27	21 2	1 28	9 36	16 35	23 32	23 32	19 56	1 8	3 40
F 24	3 4	9 20	4 56	11 41	3 11	9 34	3 21	20 26	1 13	19 37	1 3	22 17	0 20	23 23	0 27	21 2	1 28	9 35	16 35	23 32	23 32	19 57	1 7	3 40
S 25	3 27	3 46	5 0	11 17	3 2	9 32	3 11	20 19	1 14	19 37	1 3	22 17	0 20	23 23	0 27	21 2	1 28	9 34	16 35	23 31	23 32	19 59	1 5	3 40
S 26	3 51	2n 8	4 45	10 48	2 51	9 30	3 1	20 11	1 15	19 37	1 3	22 17	0 20	23 23	0 27	21 1	1 28	9 33	16 35	23 31	23 32	20 1	1 4	3 40
M27	4 14	8 0	4 12	10 14	2 38	9 26	2 51	20 3	1 16	19 37	1 3	22 16	0 20	23 23	0 27	21 1	1 28	9 32	16 35	23 31	23 32	20 3	1 3	3 40
T 28	4 38	13 27	3 21	9 36	2 24	9 22	2 41	19 56	1 17	19 37	1 3	22 16	0 19	23 23	0 27	21 1	1 28	9 31	16 35	23 31	23 32	20 5	1 2	3 39
W29	5 1	18 6	2 17	8 55	2 7	9 17	2 32	19 48	1 18	19 37	1 3	22 16	0 19	23 23	0 27	21 1	1 28	9 30	16 35	23 31	23 32	20 7	1 1	3 39
T 30	5s24	21n37	1s 5	8s10	1s50	9n12	2s22	19n40	1n19	19s36	1s 3	22n16	0s19	23s23	0s27	21n 1	1s28	9n29	16n35	23n31	23n32	20s 9	1n 0	3n39

Julian Day Number = 2173480.5, Delta T = 12m06s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'25, Lahiri = 13°14'25 Julian Calendar 1 Sept. 1238 == Greg. Calendar 8 Sept. 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

OCTOBER 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 6 3	14♎37'51	29♊19	15°R11	1♍ 0	8♌21	7♒ 3	15♋59	12♑40	13°R12	14♎42	27°D26	28♊ 8	8♐48	24°R 2	F 1
S 2	1 9 59	15°37'33	13♋21	13♎57	1°43	8°55	7° 4	16° 2	12°41	13♊11	14°44	27°R26	28° 5	8°55	24♓ 0	S 2
S 3	1 13 56	16°37'17	27° 9	12°46	2°28	9°28	7° 5	16° 4	12°42	13°10	14°46	27♊26	28° 2	9° 2	23°57	S 3
M 4	1 17 52	17°37'03	10♌43	11°39	3°13	10° 2	7° 6	16° 6	12°42	13°10	14°49	27°24	27°58	9° 8	23°55	M 4
T 5	1 21 49	18°36'51	24° 3	10°39	3°59	10°35	7° 8	16° 8	12°43	13° 9	14°51	27°19	27°55	9°15	23°52	T 5
W 6	1 25 45	19°36'41	7♍12	9°48	4°46	11° 8	7°10	16°10	12°44	13° 8	14°54	27°11	27°52	9°22	23°50	W 6
T 7	1 29 42	20°36'34	20° 8	9° 6	5°35	11°41	7°12	16°11	12°46	13° 7	14°56	27° 1	27°49	9°28	23°47	T 7
F 8	1 33 39	21°36'29	2♎53	8°36	6°24	12°14	7°14	16°13	12°47	13° 6	14°58	26°50	27°46	9°35	23°45	F 8
S 9	1 37 35	22°36'25	15°26	8°16	7°13	12°47	7°17	16°14	12°48	13° 5	15° 1	26°38	27°43	9°42	23°43	S 9
S 10	1 41 32	23°36'24	27°48	8°D 8	8° 4	13°20	7°19	16°16	12°49	13° 4	15° 3	26°26	27°39	9°48	23°40	S 10
M11	1 45 28	24°36'25	9♏59	8°12	8°55	13°53	7°22	16°17	12°50	13° 3	15° 6	26°16	27°36	9°55	23°38	M11
T 12	1 49 25	25°36'27	21°59	8°26	9°47	14°25	7°25	16°18	12°52	13° 2	15° 8	26° 8	27°33	10° 2	23°36	T 12
W13	1 53 21	26°36'32	3♐52	8°50	10°40	14°58	7°28	16°19	12°53	13° 1	15°10	26° 3	27°30	10° 8	23°34	W13
T 14	1 57 18	27°36'38	15°39	9°24	11°33	15°30	7°32	16°20	12°55	13° 0	15°13	26° 0	27°27	10°15	23°31	T 14
F 15	2 1 14	28°36'46	27°25	10° 7	12°28	16° 2	7°36	16°21	12°56	12°59	15°15	25°D59	27°23	10°22	23°29	F 15
S 16	2 5 11	29°36'56	9♑14	10°57	13°22	16°34	7°39	16°21	12°58	12°58	15°17	26° 0	27°20	10°28	23°27	S 16
S 17	2 9 8	0♏37'07	21°10	11°54	14°18	17° 5	7°43	16°22	12°59	12°57	15°20	26° 1	27°17	10°35	23°25	S 17
M18	2 13 4	1°37'20	3♒21	12°58	15°14	17°37	7°48	16°22	13° 1	12°56	15°22	26°R 1	27°14	10°42	23°23	M18
T 19	2 17 1	2°37'34	15°50	14° 6	16°10	18° 9	7°52	16°23	13° 3	12°55	15°25	26° 0	27°11	10°48	23°21	T 19
W20	2 20 57	3°37'50	28°42	15°19	17° 7	18°40	7°56	16°23	13° 4	12°53	15°27	25°57	27° 8	10°55	23°19	W20
T 21	2 24 54	4°38'07	12♓ 1	16°36	18° 5	19°11	8° 1	16°23	13° 6	12°52	15°29	25°52	27° 4	11° 1	23°17	T 21
F 22	2 28 50	5°38'26	25°49	17°56	19° 3	19°42	8° 6	16°R23	13° 8	12°51	15°31	25°45	27° 1	11° 8	23°15	F 22
S 23	2 32 47	6°38'46	10♈ 5	19°19	20° 2	20°13	8°11	16°23	13°10	12°50	15°34	25°37	26°58	11°15	23°13	S 23
S 24	2 36 43	7°39'08	24°45	20°45	21° 1	20°44	8°17	16°23	13°12	12°48	15°36	25°29	26°55	11°21	23°12	S 24
M25	2 40 40	8°39'31	9♉42	22°12	22° 1	21°14	8°22	16°23	13°14	12°47	15°38	25°22	26°52	11°28	23°10	M25
T 26	2 44 37	9°39'56	24°46	23°41	23° 1	21°45	8°28	16°22	13°15	12°46	15°41	25°17	26°48	11°35	23° 8	T 26
W27	2 48 33	10°40'23	9♊49	25°11	24° 1	22°15	8°33	16°22	13°18	12°44	15°43	25°14	26°45	11°41	23° 7	W27
T 28	2 52 30	11°40'52	24°42	26°43	25° 3	22°45	8°39	16°21	13°20	12°43	15°45	25°D13	26°42	11°48	23° 5	T 28
F 29	2 56 26	12°41'23	9♋18	28°15	26° 4	23°15	8°45	16°20	13°22	12°41	15°47	25°14	26°39	11°55	23° 3	F 29
S 30	3 0 23	13°41'56	23°34	29°48	27° 6	23°44	8°52	16°19	13°24	12°40	15°49	25°15	26°36	12° 1	23° 2	S 30
S 31	3 4 19	14♏42'30	7♌28	1♏21	28♍ 8	24♌14	8♒58	16♋18	13♑26	12♊39	15♎52	25♊16	26♊33	12♐ 8	23♓ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s47	23n42	0n10	7s24	1s30	9n 6	2s13	19n32	1n20	19s36	1s 3	22n15	0s19	23s23	0s27	21n 1	1s28	9n29	16n35	23n31	23n32	20s10	0n58	3n39
S 2	6 11	24 15	1 24	6 36	1 10	8 59	2 4	19 24	1 21	19 36	1 3	22 15	0 19	23 23	0 27	21 1	1 28	9 28	16 35	23 31	23 31	20 12	0 57	3 39
S 3	6 34	23 17	2 31	5 50	0 50	8 52	1 55	19 16	1 22	19 35	1 3	22 15	0 19	23 22	0 27	21 1	1 28	9 27	16 35	23 31	23 31	20 14	0 56	3 39
M 4	6 57	20 58	3 29	5 4	0 29	8 44	1 46	19 8	1 23	19 35	1 2	22 15	0 19	23 22	0 27	21 1	1 29	9 26	16 35	23 31	23 31	20 16	0 55	3 39
T 5	7 19	17 33	4 14	4 22	0 9	8 35	1 37	19 0	1 24	19 34	1 2	22 15	0 19	23 22	0 27	21 0	1 29	9 25	16 35	23 31	23 31	20 18	0 54	3 38
W 6	7 42	13 18	4 45	3 44	0n11	8 26	1 28	18 51	1 24	19 34	1 2	22 15	0 19	23 22	0 27	21 0	1 29	9 24	16 35	23 30	23 31	20 20	0 53	3 38
T 7	8 5	8 31	5 1	3 10	0 30	8 16	1 20	18 43	1 25	19 33	1 2	22 14	0 19	23 22	0 27	21 0	1 29	9 23	16 35	23 30	23 31	20 21	0 52	3 38
F 8	8 27	3 27	5 1	2 42	0 47	8 6	1 12	18 35	1 26	19 32	1 2	22 14	0 19	23 22	0 27	21 0	1 29	9 22	16 35	23 30	23 31	20 23	0 51	3 38
S 9	8 50	1s42	4 47	2 20	1 3	7 55	1 3	18 26	1 27	19 32	1 2	22 14	0 19	23 22	0 27	21 0	1 29	9 22	16 35	23 30	23 31	20 25	0 50	3 38
S 10	9 12	6 42	4 19	2 4	1 17	7 43	0 55	18 18	1 28	19 31	1 2	22 14	0 19	23 22	0 27	21 0	1 29	9 21	16 36	23 29	23 31	20 27	0 48	3 38
M11	9 34	11 23	3 40	1 54	1 29	7 31	0 48	18 9	1 29	19 30	1 2	22 14	0 19	23 21	0 27	21 0	1 29	9 20	16 36	23 29	23 31	20 29	0 47	3 37
T 12	9 56	15 35	2 51	1 50	1 40	7 19	0 40	18 1	1 30	19 29	1 2	22 14	0 19	23 21	0 27	20 59	1 29	9 19	16 36	23 29	23 31	20 31	0 46	3 37
W13	10 18	19 7	1 56	1 51	1 49	7 6	0 33	17 52	1 31	19 28	1 1	22 14	0 18	23 21	0 27	20 59	1 29	9 18	16 36	23 29	23 31	20 32	0 45	3 37
T 14	10 40	21 51	0 55	1 57	1 57	6 52	0 25	17 44	1 32	19 27	1 1	22 14	0 18	23 21	0 27	20 59	1 29	9 18	16 36	23 29	23 31	20 34	0 44	3 37
F 15	11 2	23 38	0s 8	2 9	2 2	6 38	0 18	17 35	1 33	19 26	1 1	22 14	0 18	23 21	0 27	20 59	1 29	9 17	16 36	23 29	23 31	20 36	0 43	3 37
S 16	11 23	24 23	1 11	2 24	2 7	6 23	0 11	17 26	1 34	19 25	1 1	22 14	0 18	23 21	0 27	20 59	1 29	9 16	16 36	23 29	23 31	20 38	0 42	3 37
S 17	11 44	24 1	2 11	2 44	2 10	6 8	0 4	17 18	1 36	19 24	1 1	22 14	0 18	23 21	0 27	20 59	1 29	9 15	16 36	23 29	23 31	20 40	0 41	3 36
M18	12 5	22 31	3 7	3 7	2 12	5 53	0n 2	17 9	1 37	19 23	1 1	22 14	0 18	23 20	0 27	20 58	1 29	9 14	16 36	23 29	23 31	20 41	0 40	3 36
T 19	12 26	19 54	3 56	3 33	2 13	5 37	0 9	17 0	1 38	19 21	1 1	22 14	0 18	23 20	0 27	20 58	1 29	9 14	16 37	23 29	23 30	20 43	0 39	3 36
W20	12 47	16 15	4 34	4 1	2 13	5 20	0 15	16 51	1 39	19 20	1 1	22 14	0 18	23 20	0 27	20 58	1 29	9 13	16 37	23 29	23 30	20 45	0 38	3 36
T 21	13 7	11 41	4 59	4 32	2 11	5 4	0 21	16 43	1 40	19 19	1 1	22 14	0 18	23 20	0 26	20 58	1 29	9 12	16 37	23 28	23 30	20 47	0 37	3 36
F 22	13 27	6 22	5 8	5 4	2 10	4 46	0 27	16 34	1 41	19 17	1 1	22 14	0 18	23 20	0 26	20 58	1 29	9 12	16 37	23 28	23 30	20 48	0 36	3 35
S 23	13 47	0 33	4 58	5 38	2 7	4 28	0 33	16 25	1 42	19 16	1 0	22 14	0 18	23 19	0 26	20 57	1 29	9 11	16 37	23 28	23 30	20 50	0 35	3 35
S 24	14 7	5n27	4 29	6 13	2 4	4 10	0 39	16 16	1 43	19 14	1 0	22 14	0 18	23 19	0 26	20 57	1 29	9 10	16 37	23 28	23 30	20 52	0 35	3 35
M25	14 27	11 17	3 41	6 50	2 0	3 52	0 45	16 7	1 44	19 13	1 0	22 14	0 18	23 19	0 26	20 57	1 29	9 10	16 38	23 27	23 30	20 54	0 34	3 35
T 26	14 46	16 30	2 37	7 26	1 56	3 33	0 50	15 58	1 45	19 11	1 0	22 14	0 18	23 19	0 26	20 57	1 29	9 9	16 38	23 27	23 30	20 55	0 33	3 35
W27	15 5	20 39	1 23	8 4	1 51	3 14	0 55	15 50	1 46	19 10	1 0	22 14	0 18	23 19	0 26	20 57	1 29	9 8	16 38	23 27	23 30	20 57	0 32	3 34
T 28	15 24	23 23	0 3	8 42	1 46	2 54	1 0	15 41	1 47	19 8	1 0	22 15	0 17	23 18	0 26	20 56	1 29	9 8	16 38	23 27	23 30	20 59	0 31	3 34
F 29	15 43	24 28	1n16	9 20	1 40	2 34	1 5	15 32	1 48	19 6	1 0	22 15	0 17	23 18	0 26	20 56	1 29	9 7	16 39	23 27	23 30	21 1	0 30	3 34
S 30	16 1	23 54	2 28	9 58	1 35	2 14	1 10	15 23	1 50	19 5	1 0	22 15	0 17	23 18	0 26	20 56	1 29	9 7	16 39	23 27	23 30	21 2	0 29	3 34
S 31	16s19	21n51	3n29	10s36	1n29	1n53	1n15	15n14	1n51	19s 3	1s 0	22n15	0s17	23s18	0s26	20n56	1s29	9n 6	16n39	23n27	23n30	21s 4	0n29	3n33

Julian Day Number = 2173510.5, Delta T = 12m06s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'29, Lahiri = 13°14'29 Julian Calendar 1 Oct. 1238 == Greg. Calendar 8 Oct. 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

NOVEMBER 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 8 16	15♏43'06	21♌ 1	2♏55	29♍11	24♌43	9♒ 5	16°R17	13♑28	12°R37	15♎54	25°R16	26♊29	12♐15	22°R59	M 1
T 2	3 12 12	16°43'44	4♍14	4°29	0♎14	25°12	9°12	16♋16	13°31	12♊36	15°56	25♊15	26°26	12°21	22♓58	T 2
W 3	3 16 9	17°44'24	17°10	6° 4	1°17	25°41	9°19	16°15	13°33	12°34	15°58	25°11	26°23	12°28	22°56	W 3
T 4	3 20 6	18°45'05	29°50	7°38	2°21	26°10	9°26	16°13	13°35	12°33	16° 0	25° 7	26°20	12°35	22°55	T 4
F 5	3 24 2	19°45'48	12♎18	9°13	3°25	26°38	9°33	16°12	13°38	12°31	16° 2	25° 0	26°17	12°41	22°54	F 5
S 6	3 27 59	20°46'33	24°35	10°47	4°29	27° 7	9°40	16°10	13°40	12°29	16° 4	24°54	26°14	12°48	22°53	S 6
S 7	3 31 55	21°47'19	6♏43	12°22	5°34	27°35	9°48	16° 8	13°43	12°28	16° 6	24°48	26°10	12°55	22°51	S 7
M 8	3 35 52	22°48'06	18°42	13°57	6°39	28° 3	9°56	16° 6	13°45	12°26	16° 9	24°42	26° 7	13° 1	22°50	M 8
T 9	3 39 48	23°48'55	0♐35	15°31	7°44	28°30	10° 4	16° 4	13°48	12°25	16°11	24°38	26° 4	13° 8	22°49	T 9
W10	3 43 45	24°49'45	12°24	17° 6	8°50	28°58	10°12	16° 2	13°50	12°23	16°13	24°36	26° 1	13°14	22°48	W10
T 11	3 47 41	25°50'37	24°11	18°40	9°55	29°25	10°20	16° 0	13°53	12°22	16°15	24°D35	25°58	13°21	22°47	T 11
F 12	3 51 38	26°51'29	5♑57	20°15	11° 2	29°52	10°28	15°58	13°56	12°20	16°16	24°36	25°54	13°28	22°47	F 12
S 13	3 55 35	27°52'22	17°48	21°49	12° 8	0♍19	10°37	15°55	13°58	12°18	16°18	24°37	25°51	13°34	22°46	S 13
S 14	3 59 31	28°53'17	29°46	23°24	13°14	0°45	10°45	15°53	14° 1	12°17	16°20	24°39	25°48	13°41	22°45	S 14
M15	4 3 28	29°54'12	11♒55	24°58	14°21	1°11	10°54	15°50	14° 4	12°15	16°22	24°41	25°45	13°48	22°44	M15
T 16	4 7 24	0♐55'08	24°21	26°32	15°28	1°37	11° 3	15°48	14° 6	12°13	16°24	24°42	25°42	13°54	22°44	T 16
W17	4 11 21	1°56'05	7♓ 7	28° 7	16°36	2° 3	11°12	15°45	14° 9	12°12	16°26	24°R42	25°39	14° 1	22°43	W17
T 18	4 15 17	2°57'03	20°19	29°41	17°43	2°29	11°21	15°42	14°12	12°10	16°28	24°41	25°35	14° 8	22°43	T 18
F 19	4 19 14	3°58'01	3♈57	1♐15	18°51	2°54	11°30	15°39	14°15	12° 8	16°30	24°39	25°32	14°14	22°42	F 19
S 20	4 23 10	4°59'00	18° 5	2°49	19°59	3°19	11°40	15°36	14°18	12° 7	16°31	24°36	25°29	14°21	22°42	S 20
S 21	4 27 7	5°59'59	2♉39	4°23	21° 7	3°43	11°49	15°33	14°21	12° 5	16°33	24°34	25°26	14°28	22°41	S 21
M22	4 31 4	7° 0'59	17°35	5°58	22°15	4° 8	11°59	15°29	14°24	12° 3	16°35	24°31	25°23	14°34	22°41	M22
T 23	4 35 0	8° 2'01	2♊46	7°32	23°23	4°32	12° 9	15°26	14°27	12° 2	16°37	24°30	25°20	14°41	22°41	T 23
W24	4 38 57	9° 3'03	18° 1	9° 6	24°32	4°56	12°19	15°23	14°30	12° 0	16°38	24°D29	25°16	14°48	22°41	W24
T 25	4 42 53	10° 4'05	3♋11	10°41	25°41	5°19	12°29	15°19	14°33	11°58	16°40	24°29	25°13	14°54	22°41	T 25
F 26	4 46 50	11° 5'09	18° 7	12°15	26°50	5°42	12°39	15°16	14°36	11°56	16°42	24°29	25°10	15° 1	22°40	F 26
S 27	4 50 46	12° 6'14	2♌41	13°50	27°59	6° 5	12°49	15°12	14°39	11°55	16°43	24°30	25° 7	15° 7	22°D40	S 27
S 28	4 54 43	13° 7'19	16°51	15°25	29° 9	6°28	13° 0	15° 8	14°42	11°53	16°45	24°32	25° 4	15°14	22°40	S 28
M29	4 58 39	14° 8'26	0♍34	17° 0	0♏18	6°50	13°10	15° 4	14°45	11°51	16°46	24°32	25° 0	15°21	22°41	M29
T 30	5 2 36	15♐ 9'33	13♍51	18♐35	1♏28	7♍12	13♒21	15♋ 0	14♑49	11♊50	16♎48	24°R33	24♊57	15♐27	22♓41	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s37	18n37	4n17	11s14	1n23	1n32	1n19	15n 6	1n52	19s 1	0s59	22n15	0s17	23s17	0s26	20n56	1s29	9n 5	16n39	23n27	23n29	21s 6	0n28	3n33
T 2	16 54	14 30	4 51	11 52	1 16	1 11	1 24	14 57	1 53	18 59	0 59	22 16	0 17	23 17	0 26	20 55	1 29	9 5	16 40	23 27	23 29	21 7	0 27	3 33
W 3	17 11	9 49	5 8	12 30	1 10	0 50	1 28	14 48	1 54	18 57	0 59	22 16	0 17	23 17	0 26	20 55	1 29	9 4	16 40	23 27	23 29	21 9	0 26	3 33
T 4	17 28	4 48	5 10	13 7	1 3	0 28	1 32	14 39	1 55	18 55	0 59	22 16	0 17	23 17	0 26	20 55	1 29	9 4	16 40	23 27	23 29	21 11	0 26	3 33
F 5	17 45	0s19	4 57	13 44	0 56	0 6	1 36	14 31	1 57	18 53	0 59	22 16	0 17	23 16	0 26	20 55	1 29	9 3	16 41	23 27	23 29	21 13	0 25	3 32
S 6	18 1	5 22	4 31	14 20	0 50	0s16	1 39	14 22	1 58	18 51	0 59	22 17	0 17	23 16	0 26	20 55	1 29	9 3	16 41	23 26	23 29	21 14	0 24	3 32
S 7	18 17	10 9	3 52	14 56	0 43	0 39	1 43	14 13	1 59	18 49	0 59	22 17	0 17	23 16	0 26	20 54	1 29	9 2	16 41	23 26	23 29	21 16	0 24	3 32
M 8	18 33	14 31	3 4	15 31	0 36	1 1	1 46	14 5	2 0	18 47	0 59	22 17	0 17	23 16	0 26	20 54	1 29	9 2	16 41	23 26	23 29	21 18	0 23	3 32
T 9	18 48	18 16	2 8	16 6	0 29	1 24	1 49	13 56	2 1	18 44	0 59	22 18	0 17	23 15	0 26	20 54	1 29	9 1	16 42	23 26	23 29	21 19	0 22	3 31
W10	19 3	21 17	1 6	16 39	0 22	1 47	1 53	13 48	2 3	18 42	0 59	22 18	0 16	23 15	0 26	20 54	1 29	9 1	16 42	23 26	23 29	21 21	0 22	3 31
T 11	19 18	23 22	0 2	17 12	0 15	2 11	1 56	13 39	2 4	18 40	0 59	22 18	0 16	23 15	0 26	20 54	1 29	9 1	16 42	23 26	23 29	21 23	0 21	3 31
F 12	19 32	24 26	1s 2	17 45	0 8	2 34	1 58	13 31	2 5	18 37	0 58	22 19	0 16	23 14	0 26	20 53	1 29	9 0	16 43	23 26	23 28	21 24	0 21	3 31
S 13	19 46	24 24	2 4	18 16	0 2	2 57	2 1	13 23	2 6	18 35	0 58	22 19	0 16	23 14	0 26	20 53	1 29	9 0	16 43	23 26	23 28	21 26	0 20	3 30
S 14	20 0	23 15	3 2	18 47	0s 5	3 21	2 4	13 14	2 8	18 33	0 58	22 19	0 16	23 14	0 26	20 53	1 29	8 59	16 44	23 26	23 28	21 28	0 20	3 30
M15	20 13	21 0	3 52	19 17	0 12	3 45	2 6	13 6	2 9	18 30	0 58	22 20	0 16	23 14	0 26	20 53	1 29	8 59	16 44	23 26	23 28	21 29	0 19	3 30
T 16	20 26	17 44	4 33	19 46	0 18	4 9	2 8	12 58	2 10	18 27	0 58	22 20	0 16	23 13	0 26	20 52	1 29	8 59	16 44	23 26	23 28	21 31	0 19	3 30
W17	20 38	13 35	5 1	20 14	0 25	4 33	2 10	12 50	2 12	18 25	0 58	22 21	0 16	23 13	0 26	20 52	1 29	8 58	16 45	23 26	23 28	21 33	0 18	3 29
T 18	20 50	8 40	5 15	20 41	0 31	4 57	2 12	12 42	2 13	18 22	0 58	22 21	0 16	23 13	0 26	20 52	1 29	8 58	16 45	23 26	23 28	21 34	0 18	3 29
F 19	21 2	3 11	5 12	21 7	0 38	5 21	2 14	12 34	2 14	18 20	0 58	22 21	0 16	23 12	0 26	20 52	1 29	8 58	16 45	23 26	23 28	21 36	0 17	3 29
S 20	21 13	2n39	4 50	21 32	0 44	5 45	2 16	12 26	2 16	18 17	0 58	22 22	0 16	23 12	0 26	20 52	1 29	8 57	16 46	23 26	23 28	21 38	0 17	3 29
S 21	21 24	8 33	4 9	21 56	0 50	6 9	2 18	12 18	2 17	18 14	0 58	22 22	0 16	23 12	0 26	20 51	1 29	8 57	16 46	23 26	23 28	21 39	0 17	3 28
M22	21 34	14 6	3 10	22 19	0 56	6 33	2 19	12 11	2 18	18 11	0 58	22 23	0 15	23 11	0 26	20 51	1 29	8 57	16 47	23 25	23 27	21 41	0 16	3 28
T 23	21 44	18 53	1 57	22 40	1 2	6 57	2 20	12 3	2 20	18 9	0 57	22 23	0 15	23 11	0 26	20 51	1 29	8 57	16 47	23 25	23 27	21 42	0 16	3 28
W24	21 54	22 24	0 36	23 1	1 8	7 21	2 21	11 56	2 21	18 6	0 57	22 24	0 15	23 11	0 26	20 51	1 29	8 56	16 48	23 25	23 27	21 44	0 16	3 28
T 25	22 3	24 18	0n48	23 21	1 13	7 45	2 23	11 48	2 22	18 3	0 57	22 24	0 15	23 10	0 26	20 50	1 29	8 56	16 48	23 25	23 27	21 46	0 15	3 27
F 26	22 12	24 25	2 7	23 39	1 18	8 9	2 23	11 41	2 24	18 0	0 57	22 25	0 15	23 10	0 26	20 50	1 29	8 56	16 48	23 25	23 27	21 47	0 15	3 27
S 27	22 20	22 50	3 17	23 56	1 23	8 33	2 24	11 34	2 25	17 57	0 57	22 25	0 15	23 10	0 26	20 50	1 29	8 56	16 49	23 25	23 27	21 49	0 15	3 27
S 28	22 28	19 51	4 12	24 12	1 28	8 57	2 25	11 27	2 27	17 54	0 57	22 26	0 15	23 9	0 26	20 50	1 29	8 56	16 49	23 25	23 27	21 50	0 15	3 27
M29	22 35	15 50	4 50	24 27	1 33	9 21	2 25	11 20	2 28	17 51	0 57	22 26	0 15	23 9	0 26	20 50	1 29	8 56	16 50	23 25	23 27	21 52	0 14	3 26
T 30	22s42	11n10	5n12	24s40	1s38	9s45	2n26	11n13	2n30	17s48	0s57	22n27	0s15	23s 9	0s26	20n49	1s29	8n55	16n50	23n26	23n26	21s54	0n14	3n26

Julian Day Number = 2173541.5, Delta T = 12m06s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'33, Lahiri = 13°14'34 Julian Calendar 1 Nov. 1238 == Greg. Calendar 8 Nov. 1238

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ASTRODIENST EPHEMERIS for the year 1238
geocentric

DECEMBER 1238 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 6 33	16♐10'41	26♍46	20♐10	2♏38	7♍33	13♒32	14°R56	14♋52	11°R48	16♎49	24°R32	24♊54	15♐34	22♓41	W 1
T 2	5 10 29	17°11'50	9♎21	21°45	3°48	8°54	13°42	14♌52	14°55	11♊46	16°51	24♊32	24°51	15°41	22°41	T 2
F 3	5 14 26	18°12'59	21°39	23°21	4°58	8°15	13°53	14°48	14°58	11°45	16°52	24°31	24°48	15°47	22°42	F 3
S 4	5 18 22	19°14'09	3♏45	24°57	6° 8	8°36	14° 5	14°44	15° 2	11°43	16°53	24°30	24°45	15°54	22°42	S 4
S 5	5 22 19	20°15'20	15°43	26°33	7°19	8°56	14°16	14°40	15° 5	11°41	16°55	24°30	24°41	16° 1	22°42	S 5
M 6	5 26 15	21°16'32	27°34	28° 9	8°29	9°15	14°27	14°36	15° 8	11°39	16°56	24°29	24°38	16° 7	22°43	M 6
T 7	5 30 12	22°17'44	9♑22	29°45	9°40	9°35	14°38	14°31	15°11	11°38	16°57	24°29	24°35	16°14	22°43	T 7
W 8	5 34 8	23°18'56	21° 9	1♉22	10°51	9°54	14°50	14°27	15°15	11°36	16°59	24°D29	24°32	16°21	22°44	W 8
T 9	5 38 5	24°20'08	2♉58	2°58	12° 1	10°12	15° 1	14°22	15°18	11°35	17° 0	24°R29	24°29	16°27	22°45	T 9
F 10	5 42 2	25°21'21	14°49	4°35	13°12	10°30	15°13	14°18	15°22	11°33	17° 1	24°29	24°26	16°34	22°45	F 10
S 11	5 45 58	26°22'34	26°47	6°12	14°23	10°48	15°25	14°13	15°25	11°31	17° 2	24°29	24°22	16°41	22°46	S 11
S 12	5 49 55	27°23'47	8♒52	7°49	15°35	11° 5	15°37	14° 9	15°28	11°30	17° 3	24°28	24°19	16°47	22°47	S 12
M13	5 53 51	28°25'00	21° 8	9°26	16°46	11°21	15°49	14° 4	15°32	11°28	17° 5	24°28	24°16	16°54	22°48	M13
T 14	5 57 48	29°26'12	3♓37	11° 3	17°57	11°38	16° 1	13°59	15°35	11°26	17° 6	24°27	24°13	17° 0	22°49	T 14
W15	6 1 44	0♉27'24	16°23	12°40	19° 9	11°53	16°13	13°55	15°39	11°25	17° 7	24°27	24°10	17° 7	22°50	W15
T 16	6 5 41	1°28'36	29°29	14°17	20°20	12° 9	16°25	13°50	15°42	11°23	17° 8	24°D27	24° 6	17°14	22°51	T 16
F 17	6 9 38	2°29'48	12♈57	15°53	21°32	12°24	16°37	13°45	15°46	11°22	17° 9	24°27	24° 3	17°20	22°52	F 17
S 18	6 13 34	3°30'59	26°49	17°29	22°44	12°38	16°49	13°40	15°49	11°20	17°10	24°27	24° 0	17°27	22°53	S 18
S 19	6 17 31	4°32'10	11♉ 6	19° 4	23°55	12°52	17° 2	13°35	15°53	11°19	17°11	24°28	23°57	17°34	22°54	S 19
M20	6 21 27	5°33'20	25°45	20°39	25° 7	13° 5	17°14	13°30	15°56	11°17	17°11	24°29	23°54	17°40	22°56	M20
T 21	6 25 24	6°34'30	10♊42	22°12	26°19	13°18	17°27	13°26	16° 0	11°15	17°12	24°30	23°51	17°47	22°57	T 21
W22	6 29 20	7°35'40	25°50	23°45	27°31	13°30	17°40	13°21	16° 3	11°14	17°13	24°R30	23°47	17°54	22°58	W22
T 23	6 33 17	8°36'49	11♋ 0	25°15	28°43	13°42	17°52	13°16	16° 7	11°13	17°14	24°30	23°44	18° 0	23° 0	T 23
F 24	6 37 13	9°37'58	26° 3	26°44	29°56	13°53	18° 5	13°11	16°10	11°11	17°15	24°28	23°41	18° 7	23° 1	F 24
S 25	6 41 10	10°39'07	10♌49	28°11	1♐ 8	14° 3	18°18	13° 6	16°14	11°10	17°15	24°26	23°38	18°14	23° 3	S 25
S 26	6 45 7	11°40'15	25°12	29°34	2°20	14°13	18°31	13° 1	16°17	11° 8	17°16	24°24	23°35	18°20	23° 4	S 26
M27	6 49 3	12°41'23	9♍ 8	0♒55	3°33	14°23	18°44	12°56	16°21	11° 7	17°16	24°22	23°32	18°27	23° 6	M27
T 28	6 53 0	13°42'31	22°36	2°11	4°45	14°32	18°57	12°51	16°24	11° 5	17°17	24°20	23°28	18°34	23° 8	T 28
W29	6 56 56	14°43'39	5♎37	3°23	5°58	14°40	19°10	12°46	16°28	11° 4	17°18	24°18	23°25	18°40	23° 9	W29
T 30	7 0 53	15°44'46	18°14	4°30	7°10	14°47	19°23	12°41	16°31	11° 3	17°18	24°D18	23°22	18°47	23°11	T 30
F 31	7 4 49	16♉45'53	0♏32	5♒31	8♐23	14♍54	19♒37	12♋36	16♉35	11♊ 1	17♎19	24♊19	23♊19	18♐53	23♓13	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s49	6n 8	5n17	24s52	1s42	10s 9	2n26	11n 6	2n31	17s44	0s57	22n27	0s15	23s 8	0s26	20n49	1s29	8n55	16n51	23n25	23n26	21s55	0n14	3n26
T 2	22 55	0 59	5 7	25 3	1 46	10 32	2 26	11 0	2 33	17 41	0 57	22 28	0 15	23 8	0 26	20 49	1 29	8 55	16 51	23 25	23 26	21 57	0 14	3 26
F 3	23 1	4s 6	4 43	25 12	1 50	10 56	2 27	10 53	2 34	17 38	0 57	22 28	0 14	23 8	0 26	20 49	1 29	8 55	16 52	23 25	23 26	21 58	0 14	3 25
S 4	23 6	8 57	4 6	25 20	1 53	11 19	2 26	10 47	2 36	17 35	0 57	22 29	0 14	23 7	0 26	20 49	1 29	8 55	16 52	23 25	23 26	22 0	0 14	3 25
S 5	23 11	13 26	3 19	25 26	1 56	11 42	2 26	10 41	2 37	17 31	0 57	22 29	0 14	23 7	0 26	20 48	1 29	8 55	16 53	23 25	23 26	22 2	0 14	3 25
M 6	23 15	17 21	2 24	25 31	1 59	12 5	2 26	10 35	2 39	17 28	0 57	22 30	0 14	23 6	0 26	20 48	1 29	8 55	16 53	23 25	23 26	22 3	0 14	3 25
T 7	23 19	20 35	1 23	25 34	2 2	12 28	2 26	10 29	2 40	17 25	0 57	22 31	0 14	23 6	0 26	20 48	1 29	8 55	16 54	23 25	23 26	22 5	0 14	3 24
W 8	23 22	22 56	0 18	25 36	2 4	12 50	2 25	10 23	2 42	17 21	0 56	22 31	0 14	23 6	0 26	20 48	1 29	8 55	16 54	23 25	23 25	22 6	0 14	3 24
T 9	23 25	24 17	0s47	25 36	2 6	13 13	2 25	10 18	2 43	17 18	0 56	22 32	0 14	23 5	0 26	20 48	1 29	8 55	16 55	23 25	23 25	22 8	0 14	3 24
F 10	23 27	24 33	1 51	25 35	2 7	13 35	2 24	10 12	2 45	17 14	0 56	22 32	0 14	23 5	0 26	20 47	1 29	8 55	16 55	23 25	23 25	22 9	0 14	3 24
S 11	23 29	23 40	2 50	25 32	2 9	13 57	2 23	10 7	2 47	17 11	0 56	22 33	0 14	23 5	0 26	20 47	1 29	8 55	16 56	23 25	23 25	22 11	0 14	3 23
S 12	23 31	21 42	3 43	25 27	2 9	14 18	2 22	10 2	2 48	17 7	0 56	22 34	0 14	23 4	0 26	20 47	1 29	8 55	16 56	23 25	23 25	22 12	0 14	3 23
M13	23 32	18 42	4 26	25 21	2 9	14 39	2 21	9 57	2 50	17 3	0 56	22 34	0 13	23 4	0 26	20 47	1 29	8 55	16 57	23 25	23 25	22 14	0 14	3 23
T 14	23 32	14 50	4 57	25 13	2 9	15 0	2 20	9 52	2 52	17 0	0 56	22 35	0 13	23 3	0 26	20 47	1 29	8 55	16 57	23 25	23 25	22 15	0 14	3 23
W15	23 32	10 13	5 15	25 4	2 9	15 21	2 19	9 48	2 53	16 56	0 56	22 35	0 13	23 3	0 26	20 46	1 29	8 56	16 58	23 25	23 25	22 17	0 14	3 22
T 16	23 32	5 3	5 17	24 53	2 7	15 41	2 18	9 43	2 55	16 52	0 56	22 36	0 13	23 3	0 26	20 46	1 29	8 56	16 59	23 25	23 24	22 18	0 14	3 22
F 17	23 31	0n30	5 1	24 40	2 5	16 1	2 16	9 39	2 57	16 49	0 56	22 36	0 13	23 2	0 26	20 46	1 29	8 56	16 59	23 25	23 24	22 20	0 15	3 22
S 18	23 29	6 12	4 29	24 25	2 3	16 21	2 15	9 35	2 58	16 45	0 56	22 37	0 13	23 2	0 26	20 46	1 29	8 56	17 0	23 25	23 24	22 21	0 15	3 22
S 19	23 28	11 45	3 39	24 9	2 0	16 40	2 14	9 32	3 0	16 41	0 56	22 38	0 13	23 1	0 26	20 46	1 29	8 56	17 0	23 25	23 24	22 23	0 15	3 21
M20	23 25	16 48	2 33	23 52	1 56	16 59	2 12	9 28	3 2	16 37	0 56	22 38	0 13	23 1	0 26	20 45	1 29	8 56	17 1	23 25	23 24	22 24	0 15	3 21
T 21	23 22	20 54	1 16	23 32	1 52	17 18	2 10	9 25	3 3	16 33	0 56	22 39	0 13	23 0	0 26	20 45	1 29	8 57	17 1	23 25	23 24	22 26	0 16	3 21
W22	23 19	23 36	0n 7	23 11	1 47	17 36	2 8	9 22	3 5	16 29	0 56	22 39	0 13	23 0	0 26	20 45	1 29	8 57	17 2	23 25	23 24	22 27	0 16	3 21
T 23	23 15	24 35	1 30	22 49	1 41	17 54	2 7	9 19	3 7	16 25	0 56	22 40	0 12	23 0	0 26	20 45	1 29	8 57	17 2	23 25	23 23	22 29	0 16	3 20
F 24	23 11	23 45	2 46	22 26	1 34	18 11	2 5	9 16	3 9	16 21	0 56	22 41	0 12	22 59	0 26	20 45	1 29	8 57	17 3	23 25	23 23	22 30	0 17	3 20
S 25	23 7	21 16	3 49	22 1	1 26	18 28	2 3	9 14	3 11	16 17	0 56	22 41	0 12	22 59	0 26	20 45	1 29	8 57	17 4	23 25	23 23	22 32	0 17	3 20
S 26	23 1	17 30	4 36	21 35	1 18	18 45	2 1	9 11	3 12	16 13	0 56	22 42	0 12	22 58	0 26	20 44	1 29	8 58	17 4	23 25	23 23	22 33	0 18	3 20
M27	22 56	12 53	5 5	21 9	1 8	19 1	1 59	9 9	3 14	16 9	0 56	22 42	0 12	22 58	0 26	20 44	1 29	8 58	17 5	23 25	23 23	22 35	0 18	3 19
T 28	22 50	7 47	5 16	20 41	0 58	19 16	1 56	9 8	3 16	16 5	0 56	22 43	0 12	22 58	0 26	20 44	1 29	8 58	17 5	23 25	23 23	22 36	0 18	3 19
W29	22 43	2 30	5 10	20 14	0 46	19 31	1 54	9 6	3 18	16 1	0 56	22 44	0 12	22 57	0 26	20 44	1 29	8 59	17 6	23 25	23 22	22 38	0 19	3 19
T 30	22 36	2s43	4 49	19 46	0 34	19 46	1 52	9 5	3 20	15 57	0 56	22 44	0 12	22 57	0 26	20 44	1 29	8 59	17 6	23 25	23 22	22 39	0 19	3 19
F 31	22s29	7s43	4n15	19s18	0s21	20s 0	1n49	9n 4	3n21	15s53	0s56	22n45	0s12	22s56	0s26	20n44	1s29	8n59	17n 7	23n25	23n22	22s40	0n20	3n18

Julian Day Number = 2173571.5, Delta T = 12m06s
Ecliptic obliquity = 23°32'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'37, Lahiri = 13°14'38 Julian Calendar 1 Dec. 1238 == Greg. Calendar 8 Dec. 1238

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

JANUARY 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 46	17♑47'00	12♏35	6♒24	9♐35	15♍ 0	19♒50	12°R31	16♑38	11°R 0	17♎19	24♊20	23♊16	19♐ 0	23♓15	S 1
S 2	7 12 42	18°48'06	24°28	7°10	10°48	15° 6	20° 3	12♋26	16°42	10♊59	17°19	24°22	23°12	19° 7	23°17	S 2
M 3	7 16 39	19°49'12	6♐15	7°48	12° 1	15°11	20°17	12°21	16°46	10°58	17°20	24°24	23° 9	19°13	23°19	M 3
T 4	7 20 36	20°50'17	18° 1	8°16	13°14	15°15	20°30	12°16	16°49	10°56	17°20	24°25	23° 6	19°20	23°21	T 4
W 5	7 24 32	21°51'22	29°49	8°33	14°27	15°18	20°44	12°12	16°53	10°55	17°20	24°R25	23° 3	19°27	23°23	W 5
T 6	7 28 29	22°52'26	11♑42	8°R40	15°40	15°21	20°57	12° 7	16°56	10°54	17°21	24°24	23° 0	19°33	23°25	T 6
F 7	7 32 25	23°53'29	23°42	8°36	16°53	15°23	21°11	12° 2	17° 0	10°53	17°21	24°21	22°57	19°40	23°27	F 7
S 8	7 36 22	24°54'31	5♒51	8°19	18° 6	15°25	21°25	11°57	17° 3	10°52	17°21	24°16	22°53	19°47	23°29	S 8
S 9	7 40 18	25°55'32	18°11	7°52	19°19	15°R25	21°38	11°52	17° 7	10°50	17°21	24°11	22°50	19°53	23°32	S 9
M10	7 44 15	26°56'33	0♓41	7°14	20°32	15°25	21°52	11°48	17°10	10°49	17°21	24° 5	22°47	20° 0	23°34	M10
T 11	7 48 11	27°57'32	13°24	6°26	21°45	15°24	22° 6	11°43	17°14	10°48	17°21	23°59	22°44	20° 7	23°36	T 11
W12	7 52 8	28°58'29	26°20	5°29	22°58	15°22	22°20	11°38	17°17	10°47	17°22	23°54	22°41	20°13	23°39	W12
T 13	7 56 5	29°59'26	9♈30	4°24	24°11	15°20	22°34	11°34	17°21	10°46	17°R22	23°51	22°38	20°20	23°41	T 13
F 14	8 0 1	1♒ 0'21	22°57	3°15	25°24	15°17	22°48	11°29	17°24	10°45	17°21	23°49	22°34	20°27	23°44	F 14
S 15	8 3 58	2° 1'14	6♉40	2° 2	26°37	15°13	23° 2	11°25	17°28	10°44	17°21	23°D48	22°31	20°33	23°46	S 15
S 16	8 7 54	3° 2'07	20°40	0°49	27°51	15° 8	23°16	11°20	17°31	10°43	17°21	23°49	22°28	20°40	23°49	S 16
M17	8 11 51	4° 2'58	4♊59	29♑36	29° 4	15° 3	23°30	11°16	17°35	10°43	17°21	23°51	22°25	20°46	23°51	M17
T 18	8 15 47	5° 3'47	19°32	28°26	0♑17	14°56	23°44	11°12	17°38	10°42	17°21	23°R52	22°22	20°53	23°54	T 18
W19	8 19 44	6° 4'35	4♋17	27°21	1°31	14°49	23°58	11° 7	17°41	10°41	17°21	23°52	22°18	21° 0	23°56	W19
T 20	8 23 41	7° 5'21	19° 8	26°22	2°44	14°41	24°12	11° 3	17°45	10°40	17°21	23°49	22°15	21° 6	23°59	T 20
F 21	8 27 37	8° 6'06	3♌58	25°29	3°57	14°33	24°26	10°59	17°48	10°39	17°20	23°45	22°12	21°13	24° 2	F 21
S 22	8 31 34	9° 6'50	18°38	24°45	5°11	14°23	24°40	10°55	17°52	10°39	17°20	23°38	22° 9	21°20	24° 5	S 22
S 23	8 35 30	10° 7'32	3♍ 1	24° 8	6°24	14°13	24°55	10°51	17°55	10°38	17°20	23°31	22° 6	21°26	24° 7	S 23
M24	8 39 27	11° 8'13	17° 1	23°39	7°38	14° 2	25° 9	10°47	17°58	10°37	17°19	23°23	22° 3	21°33	24°10	M24
T 25	8 43 23	12° 8'53	0♎36	23°18	8°51	13°50	25°23	10°43	18° 2	10°37	17°19	23°15	21°59	21°40	24°13	T 25
W26	8 47 20	13° 9'31	13°43	23° 5	10° 5	13°38	25°38	10°39	18° 5	10°36	17°18	23° 9	21°56	21°46	24°16	W26
T 27	8 51 16	14°10'08	26°26	23°D 0	11°18	13°24	25°52	10°36	18° 8	10°35	17°18	23° 5	21°53	21°53	24°19	T 27
F 28	8 55 13	15°10'44	8♏47	23° 2	12°32	13°10	26° 6	10°32	18°11	10°35	17°17	23° 4	21°50	22° 0	24°22	F 28
S 29	8 59 9	16°11'19	20°51	23°11	13°45	12°56	26°21	10°28	18°15	10°34	17°17	23°D 3	21°47	22° 6	24°25	S 29
S 30	9 3 6	17°11'52	2♐45	23°26	14°59	12°40	26°35	10°25	18°18	10°34	17°16	23° 4	21°44	22°13	24°28	S 30
M31	9 7 3	18♒12'25	14♐32	23♑47	16♑12	12♍24	26♒49	10♋22	18♑21	10♊33	17♎16	23♊ 5	21♊40	22♐19	24♓31	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s21	12s20	3n31	18s51	0s 6	20s13	1n47	9n 3	3n23	15s48	0s56	22n45	0s11	22s56	0s26	20n43	1s29	9n 0	17n 8	23n25	23n22	22s42	0n20	3n18
S 2	22 13	16 25	2 38	18 24	0n 9	20 26	1 44	9 3	3 25	15 44	0 56	22 46	0 11	22 55	0 26	20 43	1 28	9 0	17 8	23 25	23 22	22 43	0 21	3 18
M 3	22 4	19 49	1 39	17 59	0 25	20 38	1 42	9 2	3 27	15 40	0 56	22 47	0 11	22 55	0 26	20 43	1 28	9 1	17 9	23 25	23 22	22 45	0 22	3 18
T 4	21 55	22 25	0 35	17 36	0 42	20 50	1 39	9 2	3 29	15 36	0 56	22 47	0 11	22 54	0 26	20 43	1 28	9 1	17 9	23 25	23 21	22 46	0 22	3 18
W 5	21 45	24 2	0s30	17 14	1 0	21 2	1 37	9 3	3 30	15 31	0 56	22 48	0 11	22 54	0 26	20 43	1 28	9 1	17 10	23 25	23 21	22 48	0 23	3 17
T 6	21 35	24 34	1 34	16 55	1 18	21 12	1 34	9 3	3 32	15 27	0 56	22 48	0 11	22 54	0 26	20 43	1 28	9 2	17 10	23 25	23 21	22 49	0 23	3 17
F 7	21 25	23 58	2 34	16 39	1 36	21 22	1 31	9 4	3 34	15 22	0 56	22 49	0 11	22 53	0 26	20 43	1 28	9 2	17 11	23 25	23 21	22 50	0 24	3 17
S 8	21 14	22 14	3 28	16 25	1 54	21 32	1 29	9 5	3 36	15 18	0 56	22 49	0 11	22 53	0 26	20 43	1 28	9 3	17 12	23 25	23 21	22 52	0 25	3 17
S 9	21 3	19 27	4 13	16 15	2 12	21 41	1 26	9 7	3 38	15 14	0 56	22 50	0 11	22 52	0 26	20 42	1 28	9 3	17 12	23 25	23 21	22 53	0 26	3 16
M10	20 51	15 44	4 46	16 8	2 29	21 49	1 23	9 8	3 40	15 9	0 56	22 50	0 10	22 52	0 26	20 42	1 28	9 4	17 13	23 24	23 20	22 55	0 26	3 16
T 11	20 39	11 16	5 6	16 5	2 45	21 57	1 20	9 10	3 41	15 5	0 56	22 51	0 10	22 51	0 26	20 42	1 28	9 4	17 13	23 24	23 20	22 56	0 27	3 16
W12	20 27	6 13	5 11	16 5	2 59	22 4	1 17	9 13	3 43	15 0	0 56	22 51	0 10	22 51	0 26	20 42	1 28	9 5	17 14	23 24	23 20	22 57	0 28	3 16
T 13	20 14	0 49	5 0	16 8	3 12	22 11	1 14	9 15	3 45	14 55	0 56	22 52	0 10	22 51	0 26	20 42	1 28	9 5	17 14	23 24	23 20	22 59	0 28	3 16
F 14	20 1	4n44	4 33	16 14	3 22	22 16	1 11	9 18	3 47	14 51	0 56	22 52	0 10	22 50	0 26	20 42	1 28	9 6	17 15	23 24	23 20	23 0	0 29	3 15
S 15	19 48	10 11	3 49	16 22	3 31	22 22	1 8	9 21	3 48	14 46	0 56	22 53	0 10	22 50	0 26	20 42	1 28	9 6	17 16	23 24	23 20	23 1	0 30	3 15
S 16	19 34	15 15	2 51	16 32	3 36	22 26	1 5	9 25	3 50	14 42	0 56	22 53	0 10	22 49	0 26	20 42	1 28	9 7	17 16	23 24	23 19	23 3	0 31	3 15
M17	19 19	19 34	1 41	16 44	3 40	22 30	1 2	9 28	3 52	14 37	0 56	22 54	0 10	22 49	0 26	20 42	1 28	9 7	17 17	23 24	23 19	23 4	0 32	3 15
T 18	19 5	22 44	0 24	16 57	3 41	22 33	0 59	9 32	3 53	14 32	0 56	22 54	0 9	22 48	0 26	20 42	1 28	9 8	17 17	23 24	23 19	23 5	0 33	3 15
W19	18 50	24 24	0n56	17 11	3 40	22 36	0 56	9 37	3 55	14 28	0 56	22 55	0 9	22 48	0 26	20 42	1 28	9 9	17 18	23 24	23 19	23 7	0 33	3 14
T 20	18 35	24 21	2 13	17 26	3 36	22 38	0 53	9 41	3 57	14 23	0 56	22 55	0 9	22 48	0 26	20 42	1 28	9 9	17 18	23 24	23 19	23 8	0 34	3 14
F 21	18 19	22 35	3 20	17 41	3 31	22 39	0 50	9 46	3 58	14 18	0 56	22 56	0 9	22 47	0 26	20 41	1 28	9 10	17 19	23 23	23 18	23 9	0 35	3 14
S 22	18 3	19 18	4 13	17 55	3 24	22 39	0 47	9 51	4 0	14 13	0 56	22 56	0 9	22 47	0 26	20 41	1 28	9 10	17 20	23 23	23 18	23 11	0 36	3 14
S 23	17 47	14 55	4 49	18 10	3 16	22 39	0 44	9 57	4 1	14 9	0 56	22 57	0 9	22 46	0 26	20 41	1 28	9 11	17 20	23 23	23 18	23 12	0 37	3 14
M24	17 30	9 50	5 6	18 24	3 6	22 39	0 41	10 2	4 3	14 4	0 56	22 57	0 9	22 46	0 26	20 41	1 27	9 12	17 21	23 22	23 18	23 13	0 38	3 14
T 25	17 13	4 26	5 6	18 38	2 56	22 37	0 37	10 8	4 4	13 59	0 56	22 58	0 9	22 45	0 26	20 41	1 27	9 12	17 21	23 22	23 18	23 15	0 39	3 13
W26	16 56	1s 0	4 49	18 51	2 45	22 35	0 34	10 14	4 6	13 54	0 56	22 58	0 9	22 45	0 26	20 41	1 27	9 13	17 22	23 22	23 18	23 16	0 40	3 13
T 27	16 39	6 14	4 18	19 3	2 33	22 32	0 31	10 21	4 7	13 49	0 56	22 58	0 8	22 44	0 26	20 41	1 27	9 14	17 22	23 21	23 17	23 17	0 41	3 13
F 28	16 21	11 5	3 36	19 14	2 21	22 29	0 28	10 27	4 8	13 45	0 56	22 59	0 8	22 44	0 26	20 41	1 27	9 14	17 23	23 21	23 17	23 19	0 42	3 13
S 29	16 3	15 24	2 45	19 25	2 9	22 25	0 25	10 34	4 9	13 40	0 56	22 59	0 8	22 44	0 27	20 41	1 27	9 15	17 23	23 21	23 17	23 20	0 43	3 13
S 30	15 45	19 2	1 47	19 34	1 57	22 20	0 22	10 41	4 10	13 35	0 56	23 0	0 8	22 43	0 27	20 41	1 27	9 16	17 24	23 21	23 17	23 21	0 44	3 12
M31	15s26	21s53	0n46	19s43	1n45	22s14	0n19	10n48	4n11	13s30	0s56	23n 0	0s 8	22s43	0s27	20n41	1s27	9n16	17n24	23n21	23n17	23s22	0n45	3n12

Julian Day Number = 2173602.5, Delta T = 12m06s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'42, Lahiri = 13°14'42 Julian Calendar 1 Jan. 1239 == Greg. Calendar 8 Jan. 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

FEBRUARY 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 59	19♒12'55	26♐19	24♑14	17♑26	12°R 7	27♒ 4	10°R18	18♑24	10°R33	17°R15	23°R 6	21♊37	22♐26	24♓34	T 1
W 2	9 14 56	20°13'25	8♑ 9	24°45	18°40	11♍49	27°18	10♋15	18°27	10♊33	17♎14	23♊ 4	21°34	22°33	24°37	W 2
T 3	9 18 52	21°13'53	20° 8	25°21	19°53	11°31	27°33	10°12	18°31	10°32	17°14	23° 1	21°31	22°39	24°40	T 3
F 4	9 22 49	22°14'19	2♒17	26° 2	21° 7	11°12	27°47	10° 9	18°34	10°32	17°13	22°54	21°28	22°46	24°44	F 4
S 5	9 26 45	23°14'44	14°40	26°46	22°21	10°53	28° 2	10° 6	18°37	10°32	17°12	22°46	21°24	22°53	24°47	S 5
S 6	9 30 42	24°15'07	27°16	27°35	23°34	10°33	28°16	10° 3	18°40	10°31	17°11	22°35	21°21	22°59	24°50	S 6
M 7	9 34 38	25°15'28	10♓ 7	28°26	24°48	10°13	28°30	10° 0	18°43	10°31	17°10	22°23	21°18	23° 6	24°53	M 7
T 8	9 38 35	26°15'48	23°11	29°21	26° 2	9°52	28°45	9°58	18°46	10°31	17° 9	22°12	21°15	23°13	24°57	T 8
W 9	9 42 32	27°16'05	6♈27	0♒19	27°15	9°30	28°59	9°55	18°49	10°31	17° 9	22° 2	21°12	23°19	25° 0	W 9
T 10	9 46 28	28°16'20	19°54	1°19	28°29	9° 8	29°14	9°53	18°52	10°31	17° 8	21°54	21° 9	23°26	25° 3	T 10
F 11	9 50 25	29°16'34	3♉32	2°22	29°43	8°46	29°28	9°50	18°55	10°31	17° 7	21°48	21° 5	23°33	25° 7	F 11
S 12	9 54 21	0♓16'45	17°18	3°28	0♒57	8°24	29°43	9°48	18°57	10°31	17° 6	21°46	21° 2	23°39	25°10	S 12
S 13	9 58 18	1°16'54	1♊15	4°35	2°10	8° 1	29°57	9°46	19° 0	10°D31	17° 5	21°D45	20°59	23°46	25°13	S 13
M14	10 2 14	2°17'02	15°20	5°45	3°24	7°38	0♓12	9°44	19° 3	10°31	17° 4	21°R45	20°56	23°53	25°17	M14
T 15	10 6 11	3°17'07	29°33	6°57	4°38	7°14	0°26	9°42	19° 6	10°31	17° 3	21°45	20°53	23°59	25°20	T 15
W16	10 10 7	4°17'09	13♋54	8°10	5°51	6°51	0°41	9°40	19° 9	10°31	17° 1	21°43	20°50	24° 6	25°24	W16
T 17	10 14 4	5°17'10	28°18	9°26	7° 5	6°28	0°55	9°38	19°11	10°31	17° 0	21°39	20°46	24°12	25°27	T 17
F 18	10 18 1	6°17'08	12♌43	10°43	8°19	6° 4	1°10	9°37	19°14	10°31	16°59	21°32	20°43	24°19	25°30	F 18
S 19	10 21 57	7°17'04	27° 1	12° 2	9°33	5°40	1°24	9°35	19°17	10°31	16°58	21°22	20°40	24°26	25°34	S 19
S 20	10 25 54	8°16'59	11♍ 7	13°22	10°46	5°17	1°39	9°34	19°19	10°32	16°57	21°11	20°37	24°32	25°37	S 20
M21	10 29 50	9°16'51	24°57	14°44	12° 0	4°53	1°53	9°32	19°22	10°32	16°56	20°58	20°34	24°39	25°41	M21
T 22	10 33 47	10°16'41	8♎25	16° 7	13°14	4°30	2° 7	9°31	19°25	10°32	16°54	20°47	20°30	24°46	25°44	T 22
W23	10 37 43	11°16'30	21°31	17°32	14°28	4° 6	2°22	9°30	19°27	10°33	16°53	20°37	20°27	24°52	25°48	W23
T 24	10 41 40	12°16'16	4♏14	18°58	15°42	3°43	2°36	9°29	19°30	10°33	16°52	20°29	20°24	24°59	25°52	T 24
F 25	10 45 36	13°16'01	16°37	20°26	16°55	3°20	2°50	9°28	19°32	10°33	16°50	20°24	20°21	25° 6	25°55	F 25
S 26	10 49 33	14°15'44	28°44	21°55	18° 9	2°58	3° 5	9°27	19°34	10°34	16°49	20°22	20°18	25°12	25°59	S 26
S 27	10 53 30	15°15'25	10♐39	23°25	19°23	2°35	3°19	9°27	19°37	10°34	16°48	20°21	20°15	25°19	26° 2	S 27
M28	10 57 26	16♓15'05	22♐27	24♒57	20♒37	2♍13	3♓33	9♋26	19♑39	10♊35	16♎46	20♊21	20♊11	25♐26	26♓ 6	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s 7	23s46	0s17	19s50	1n33	22s 8	0n16	10n56	4n12	13s25	0s56	23n 0	0s 8	22s42	0s27	20n41	1s27	9n17	17n25	23n21	23n16	23s24	0n46	3n12	T 1
W 2	14 48	24 37	1 20	19 57	1 21	22 1	0 13	11 3	4 13	13 20	0 56	23 1	0 8	22 42	0 27	20 41	1 27	9 18	17 25	23 21	23 16	23 25	0 47	3 12	W 2
T 3	14 29	24 19	2 20	20 2	1 9	21 54	0 10	11 11	4 14	13 15	0 56	23 1	0 8	22 42	0 27	20 41	1 27	9 19	17 26	23 21	23 16	23 26	0 49	3 12	T 3
F 4	14 9	22 53	3 14	20 6	0 57	21 46	0 7	11 19	4 15	13 10	0 56	23 1	0 8	22 41	0 27	20 41	1 27	9 19	17 26	23 21	23 16	23 27	0 50	3 12	F 4
S 5	13 50	20 19	4 0	20 9	0 45	21 37	0 4	11 27	4 16	13 5	0 56	23 2	0 7	22 41	0 27	20 41	1 27	9 20	17 27	23 20	23 16	23 29	0 51	3 12	S 5
S 6	13 30	16 46	4 35	20 10	0 34	21 28	0 1	11 35	4 16	13 0	0 56	23 2	0 7	22 40	0 27	20 41	1 27	9 21	17 27	23 20	23 15	23 30	0 52	3 11	S 6
M 7	13 9	12 22	4 56	20 11	0 23	21 18	0s 2	11 44	4 17	12 55	0 56	23 2	0 7	22 40	0 27	20 41	1 27	9 22	17 28	23 19	23 15	23 31	0 53	3 11	M 7
T 8	12 49	7 21	5 3	20 10	0 12	21 7	0 5	11 52	4 17	12 50	0 56	23 3	0 7	22 40	0 27	20 41	1 27	9 22	17 28	23 18	23 15	23 32	0 54	3 11	T 8
W 9	12 28	1 55	4 54	20 8	0 2	20 56	0 8	12 0	4 17	12 45	0 56	23 3	0 7	22 39	0 27	20 41	1 27	9 23	17 29	23 18	23 15	23 34	0 55	3 11	W 9
T 10	12 7	3n41	4 28	20 5	0s 8	20 44	0 11	12 9	4 18	12 40	0 56	23 3	0 7	22 39	0 27	20 41	1 27	9 24	17 29	23 17	23 14	23 35	0 57	3 11	T 10
F 11	11 46	9 11	3 47	20 0	0 18	20 31	0 14	12 17	4 18	12 35	0 56	23 4	0 7	22 38	0 27	20 41	1 26	9 25	17 30	23 17	23 14	23 36	0 58	3 11	F 11
S 12	11 25	14 19	2 52	19 54	0 27	20 18	0 17	12 26	4 18	12 30	0 56	23 4	0 7	22 38	0 27	20 41	1 26	9 25	17 30	23 17	23 14	23 37	0 59	3 11	S 12
S 13	11 4	18 45	1 47	19 47	0 36	20 5	0 20	12 35	4 18	12 25	0 56	23 4	0 6	22 38	0 27	20 41	1 26	9 26	17 30	23 17	23 14	23 38	1 0	3 10	S 13
M14	10 42	22 10	0 34	19 38	0 45	19 50	0 22	12 43	4 17	12 20	0 57	23 4	0 6	22 37	0 27	20 42	1 26	9 27	17 31	23 17	23 14	23 40	1 2	3 10	M14
T 15	10 21	24 14	0n41	19 28	0 53	19 35	0 25	12 52	4 17	12 15	0 57	23 5	0 6	22 37	0 27	20 42	1 26	9 28	17 31	23 17	23 13	23 41	1 3	3 10	T 15
W16	9 59	24 43	1 55	19 17	1 1	19 20	0 28	13 0	4 17	12 10	0 57	23 5	0 6	22 37	0 27	20 42	1 26	9 29	17 32	23 17	23 13	23 42	1 4	3 10	W16
T 17	9 37	23 32	3 1	19 4	1 8	19 4	0 30	13 8	4 16	12 5	0 57	23 5	0 6	22 36	0 27	20 42	1 26	9 29	17 32	23 16	23 13	23 43	1 5	3 10	T 17
F 18	9 15	20 49	3 55	18 50	1 16	18 48	0 33	13 17	4 16	11 59	0 57	23 5	0 6	22 36	0 27	20 42	1 26	9 30	17 33	23 16	23 13	23 44	1 7	3 10	F 18
S 19	8 52	16 51	4 35	18 34	1 22	18 30	0 36	13 25	4 15	11 54	0 57	23 6	0 6	22 35	0 27	20 42	1 26	9 31	17 33	23 15	23 13	23 46	1 8	3 10	S 19
S 20	8 30	11 59	4 56	18 18	1 29	18 13	0 38	13 33	4 14	11 49	0 57	23 6	0 6	22 35	0 27	20 42	1 26	9 32	17 33	23 15	23 12	23 47	1 9	3 10	S 20
M21	8 7	6 36	5 0	18 0	1 35	17 55	0 41	13 41	4 13	11 44	0 57	23 6	0 6	22 35	0 27	20 42	1 26	9 33	17 34	23 14	23 12	23 48	1 10	3 9	M21
T 22	7 45	1 3	4 47	17 40	1 41	17 36	0 43	13 49	4 12	11 39	0 57	23 6	0 5	22 34	0 27	20 42	1 26	9 33	17 34	23 13	23 12	23 49	1 12	3 9	T 22
W23	7 22	4s25	4 19	17 19	1 46	17 17	0 45	13 56	4 11	11 34	0 57	23 7	0 5	22 34	0 27	20 42	1 26	9 34	17 34	23 12	23 12	23 50	1 13	3 9	W23
T 24	6 59	9 33	3 39	16 57	1 51	16 57	0 48	14 4	4 10	11 29	0 57	23 7	0 5	22 34	0 27	20 42	1 26	9 35	17 35	23 12	23 11	23 51	1 14	3 9	T 24
F 25	6 36	14 11	2 49	16 33	1 55	16 37	0 50	14 11	4 9	11 24	0 57	23 7	0 5	22 33	0 27	20 43	1 26	9 36	17 35	23 11	23 11	23 52	1 16	3 9	F 25
S 26	6 13	18 8	1 52	16 8	1 59	16 17	0 52	14 18	4 7	11 19	0 57	23 7	0 5	22 33	0 27	20 43	1 26	9 37	17 35	23 11	23 11	23 54	1 17	3 9	S 26
S 27	5 50	21 17	0 51	15 42	2 3	15 56	0 54	14 25	4 6	11 13	0 57	23 7	0 5	22 33	0 27	20 43	1 26	9 37	17 36	23 11	23 11	23 55	1 18	3 9	S 27
M28	5s27	23s31	0s11	15s14	2s 6	15s34	0s56	14n31	4n 4	11s 8	0s58	23n 7	0s 5	22s32	0s27	20n43	1s26	9n38	17n36	23n11	23n10	23s56	1n20	3n 9	M28

Julian Day Number = 2173633.5, Delta T = 12m05s
Ecliptic obliquity = 23°32'18, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'46, Lahiri = 13°14'46 Julian Calendar 1 Feb. 1239 == Greg. Calendar 8 Feb. 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

MARCH 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 23	17♓14'43	4♉15	26♒29	21♒51	1°R52	3♓48	9°R26	19♉41	10♊35	16°R45	20°R21	20♊ 8	25♐32	26♓ 9	T 1
W 2	11 5 19	18°14'19	16° 8	28° 4	23° 4	1♍30	4° 2	9♋25	19°44	10°36	16♎44	20♊19	20° 5	25°39	26°13	W 2
T 3	11 9 16	19°13'53	28°11	29°39	24°18	1°10	4°16	9°25	19°46	10°36	16°42	20°14	20° 2	25°45	26°17	T 3
F 4	11 13 12	20°13'26	10♒27	1♓16	25°32	0°50	4°30	9°D25	19°48	10°37	16°41	20° 7	19°59	25°52	26°20	F 4
S 5	11 17 9	21°12'56	23° 0	2°54	26°46	0°30	4°45	9°25	19°50	10°38	16°39	19°58	19°55	25°59	26°24	S 5
S 6	11 21 5	22°12'24	5♓52	4°34	28° 0	0°11	4°59	9°25	19°52	10°38	16°38	19°46	19°52	26° 5	26°28	S 6
M 7	11 25 2	23°11'51	19° 2	6°14	29°13	29♌52	5°13	9°25	19°54	10°39	16°36	19°33	19°49	26°12	26°31	M 7
T 8	11 28 59	24°11'15	2♈29	7°56	0♓27	29°34	5°27	9°26	19°56	10°40	16°35	19°20	19°46	26°19	26°35	T 8
W 9	11 32 55	25°10'37	16°10	9°40	1°41	29°17	5°41	9°26	19°58	10°41	16°33	19° 8	19°43	26°25	26°38	W 9
T 10	11 36 52	26° 9'57	0♉ 2	11°24	2°55	29° 0	5°55	9°27	20° 0	10°42	16°32	18°59	19°40	26°32	26°42	T 10
F 11	11 40 48	27° 9'15	14° 2	13°10	4° 9	28°45	6° 9	9°28	20° 2	10°42	16°30	18°52	19°36	26°39	26°46	F 11
S 12	11 44 45	28° 8'31	28° 5	14°58	5°22	28°29	6°23	9°28	20° 4	10°43	16°28	18°49	19°33	26°45	26°49	S 12
S 13	11 48 41	29° 7'44	12♊11	16°47	6°36	28°15	6°37	9°29	20° 6	10°44	16°27	18°48	19°30	26°52	26°53	S 13
M14	11 52 38	0♈ 6'55	26°17	18°37	7°50	28° 1	6°51	9°30	20° 7	10°45	16°25	18°48	19°27	26°59	26°57	M14
T 15	11 56 34	1° 6'03	10♋23	20°28	9° 4	27°48	7° 5	9°31	20° 9	10°46	16°24	18°48	19°24	27° 5	27° 0	T 15
W16	12 0 31	2° 5'09	24°28	22°21	10°18	27°36	7°19	9°33	20°11	10°47	16°22	18°46	19°21	27°12	27° 4	W16
T 17	12 4 28	3° 4'13	8♌30	24°16	11°31	27°25	7°32	9°34	20°12	10°48	16°20	18°42	19°17	27°19	27° 8	T 17
F 18	12 8 24	4° 3'14	22°28	26°11	12°45	27°14	7°46	9°35	20°14	10°49	16°19	18°35	19°14	27°25	27°11	F 18
S 19	12 12 21	5° 2'13	6♍20	28° 9	13°59	27° 4	8° 0	9°37	20°15	10°51	16°17	18°26	19°11	27°32	27°15	S 19
S 20	12 16 17	6° 1'10	20° 0	0♈ 7	15°13	26°55	8°13	9°39	20°17	10°52	16°15	18°15	19° 8	27°38	27°18	S 20
M21	12 20 14	7° 0'04	3♎28	2° 7	16°26	26°47	8°27	9°40	20°18	10°53	16°14	18° 3	19° 5	27°45	27°22	M21
T 22	12 24 10	7°58'57	16°39	4° 8	17°40	26°39	8°41	9°42	20°20	10°54	16°12	17°52	19° 1	27°52	27°26	T 22
W23	12 28 7	8°57'47	29°33	6°10	18°54	26°33	8°54	9°44	20°21	10°55	16°10	17°42	18°58	27°58	27°29	W23
T 24	12 32 3	9°56'36	12♏ 9	8°13	20° 8	26°27	9° 8	9°46	20°22	10°56	16° 9	17°34	18°55	28° 5	27°33	T 24
F 25	12 36 0	10°55'22	24°28	10°18	21°21	26°22	9°21	9°48	20°24	10°58	16° 7	17°29	18°52	28°12	27°36	F 25
S 26	12 39 56	11°54'07	6♐33	12°23	22°35	26°17	9°34	9°51	20°25	10°59	16° 5	17°27	18°49	28°18	27°40	S 26
S 27	12 43 53	12°52'50	18°28	14°29	23°49	26°14	9°48	9°53	20°26	11° 0	16° 4	17°D26	18°46	28°25	27°43	S 27
M28	12 47 50	13°51'32	0♑17	16°35	25° 3	26°11	10° 1	9°56	20°27	11° 2	16° 2	17°27	18°42	28°32	27°47	M28
T 29	12 51 46	14°50'12	12° 6	18°42	26°16	26° 9	10°14	9°58	20°28	11° 3	16° 0	17°R27	18°39	28°38	27°50	T 29
W30	12 55 43	15°48'49	23°59	20°49	27°30	26° 8	10°27	10° 1	20°29	11° 5	15°59	17°27	18°36	28°45	27°54	W30
T 31	12 59 39	16♈47'26	6♒ 3	22♈56	28♓44	26°D 7	10♓40	10♋ 4	20♉30	11♊ 6	15♎57	17♊25	18♊33	28♐52	27♓57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5s 4	24s41	1s13	14s45	2s 9	15s12	0s59	14n38	4n 3	11s 3	0s58	23n 7	0s 5	22s32	0s27	20n43	1s25	9n39	17n36	23n11	23n10	23s57	1n21	3n 9	
W 2	4 40	24 45	2 12	14 15	2 11	14 50	1 1	14 44	4 1	10 58	0 58	23 8	0 5	22 32	0 27	20 43	1 25	9 40	17 37	23 11	23 10	23 58	1 22	3 9	
T 3	4 17	23 39	3 6	13 43	2 13	14 27	1 2	14 49	3 59	10 53	0 58	23 8	0 4	22 32	0 27	20 43	1 25	9 40	17 37	23 11	23 10	23 59	1 24	3 9	
F 4	3 53	21 25	3 52	13 10	2 15	14 4	1 4	14 55	3 57	10 48	0 58	23 8	0 4	22 31	0 27	20 43	1 25	9 41	17 37	23 10	23 9	24 0	1 25	3 8	
S 5	3 30	18 7	4 28	12 35	2 16	13 41	1 6	15 0	3 55	10 43	0 58	23 8	0 4	22 31	0 27	20 44	1 25	9 42	17 37	23 9	23 9	24 1	1 27	3 8	
S 6	3 6	13 55	4 52	12 0	2 16	13 17	1 8	15 5	3 53	10 37	0 58	23 8	0 4	22 31	0 27	20 44	1 25	9 43	17 38	23 9	23 9	24 2	1 28	3 8	
M 7	2 43	8 57	5 0	11 22	2 17	12 53	1 10	15 10	3 51	10 32	0 58	23 8	0 4	22 30	0 27	20 44	1 25	9 44	17 38	23 7	23 9	24 3	1 29	3 8	
T 8	2 19	3 29	4 52	10 44	2 16	12 28	1 11	15 14	3 49	10 27	0 58	23 8	0 4	22 30	0 27	20 44	1 25	9 44	17 38	23 6	23 9	24 4	1 31	3 8	
W 9	1 55	2n16	4 28	10 4	2 15	12 3	1 13	15 18	3 47	10 22	0 58	23 8	0 4	22 30	0 27	20 44	1 25	9 45	17 38	23 6	23 8	24 6	1 32	3 8	
T 10	1 32	7 59	3 47	9 23	2 14	11 38	1 14	15 22	3 44	10 17	0 59	23 8	0 4	22 30	0 27	20 44	1 25	9 46	17 39	23 5	23 8	24 7	1 33	3 8	
F 11	1 8	13 22	2 53	8 40	2 12	11 12	1 16	15 26	3 42	10 12	0 59	23 8	0 4	22 29	0 27	20 45	1 25	9 47	17 39	23 4	23 8	24 8	1 35	3 8	
S 12	0 45	18 4	1 47	7 57	2 10	10 47	1 17	15 29	3 40	10 7	0 59	23 8	0 3	22 29	0 27	20 45	1 25	9 48	17 39	23 4	23 8	24 9	1 36	3 8	
S 13	0 21	21 46	0 35	7 12	2 7	10 20	1 19	15 32	3 37	10 2	0 59	23 9	0 3	22 29	0 28	20 45	1 25	9 48	17 39	23 4	23 7	24 10	1 38	3 8	
M14	0n 3	24 9	0n40	6 25	2 4	9 54	1 20	15 34	3 35	9 57	0 59	23 9	0 3	22 29	0 28	20 45	1 25	9 49	17 39	23 4	23 7	24 11	1 39	3 8	
T 15	0 26	24 59	1 52	5 38	2 0	9 27	1 21	15 36	3 33	9 52	0 59	23 9	0 3	22 28	0 28	20 45	1 25	9 50	17 40	23 4	23 7	24 12	1 40	3 8	
W16	0 50	24 13	2 57	4 49	1 56	9 0	1 22	15 38	3 30	9 47	0 59	23 9	0 3	22 28	0 28	20 46	1 25	9 51	17 40	23 4	23 7	24 13	1 42	3 8	
T 17	1 14	21 56	3 51	3 59	1 51	8 33	1 23	15 40	3 28	9 42	0 59	23 9	0 3	22 28	0 28	20 46	1 25	9 51	17 40	23 3	23 6	24 14	1 43	3 8	
F 18	1 37	18 21	4 31	3 8	1 46	8 6	1 24	15 41	3 25	9 37	0 59	23 9	0 3	22 28	0 28	20 46	1 25	9 52	17 40	23 3	23 6	24 15	1 45	3 8	
S 19	2 1	13 47	4 55	2 16	1 40	7 38	1 25	15 42	3 23	9 32	1 0	23 9	0 3	22 28	0 28	20 46	1 24	9 53	17 40	23 2	23 6	24 16	1 46	3 8	
S 20	2 24	8 35	5 1	1 23	1 33	7 10	1 26	15 43	3 20	9 27	1 0	23 9	0 3	22 27	0 28	20 46	1 24	9 53	17 40	23 1	23 5	24 17	1 47	3 8	
M21	2 47	3 4	4 51	0 29	1 27	6 42	1 27	15 44	3 17	9 22	1 0	23 9	0 2	22 27	0 28	20 47	1 24	9 54	17 40	23 0	23 5	24 18	1 49	3 8	
T 22	3 11	2s30	4 25	0n26	1 19	6 14	1 28	15 44	3 15	9 17	1 0	23 9	0 2	22 27	0 28	20 47	1 24	9 55	17 40	22 59	23 5	24 19	1 50	3 7	
W23	3 34	7 50	3 46	1 22	1 11	5 46	1 28	15 44	3 12	9 12	1 0	23 8	0 2	22 27	0 28	20 47	1 24	9 56	17 41	22 58	23 5	24 20	1 52	3 7	
T 24	3 57	12 45	2 56	2 19	1 3	5 17	1 29	15 43	3 10	9 7	1 0	23 8	0 2	22 27	0 28	20 47	1 24	9 56	17 41	22 57	23 4	24 21	1 53	3 7	
F 25	4 20	17 2	1 59	3 16	0 54	4 49	1 29	15 42	3 7	9 2	1 0	23 8	0 2	22 27	0 28	20 47	1 24	9 57	17 41	22 57	23 4	24 22	1 54	3 7	
S 26	4 43	20 33	0 58	4 14	0 45	4 20	1 30	15 42	3 4	8 57	1 0	23 8	0 2	22 26	0 28	20 48	1 24	9 58	17 41	22 57	23 4	24 23	1 56	3 7	
S 27	5 6	23 8	0s 5	5 11	0 35	3 51	1 30	15 40	3 2	8 52	1 1	23 8	0 2	22 26	0 28	20 48	1 24	9 58	17 41	22 57	23 4	24 24	1 57	3 7	
M28	5 29	24 40	1 8	6 10	0 25	3 22	1 31	15 39	2 59	8 47	1 1	23 8	0 2	22 26	0 28	20 48	1 24	9 59	17 41	22 57	23 3	24 25	1 59	3 7	
T 29	5 52	25 7	2 8	7 8	0 15	2 52	1 31	15 37	2 57	8 42	1 1	23 8	0 2	22 26	0 28	20 48	1 24	10 0	17 41	22 57	23 3	24 26	2 0	3 7	
W30	6 15	24 24	3 3	8 6	0 4	2 23	1 31	15 35	2 54	8 37	1 1	23 8	0 2	22 26	0 28	20 49	1 24	10 0	17 41	22 57	23 3	24 26	2 1	3 7	
T 31	6n37	22s33	3s50	9n 3	0n 7	1s54	1s31	15n33	2n51	8s32	1s 1	23n 8	0s 1	22s26	0s28	20n49	1s24	10n 1	17n41	22n56	23n 3	24s27	2n 3	3n 7	

Julian Day Number = 2173661.5, Delta T = 12m05s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'50, Lahiri = 13°14'50 Julian Calendar 1 March 1239 == Greg. Calendar 8 March 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

APRIL 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 3 36	17♈46'00	18♒22	25♈ 2	29♓58	26♌ 7	10♓53	10♋ 7	20♑31	11♊ 8	15°R55	17°R21	18♊30	28♐58	28♓ 1	F 1
S 2	13 7 32	18°44'33	1♓ 1	27° 7	1♈11	26° 8	11° 6	10°10	20°32	11° 9	15♎54	17♊14	18°27	29° 5	28° 4	S 2
S 3	13 11 29	19°43'04	14° 0	29°12	2°25	26°10	11°19	10°13	20°32	11°11	15°52	17° 6	18°23	29°11	28° 8	S 3
M 4	13 15 25	20°41'33	27°23	1♉15	3°39	26°12	11°32	10°16	20°33	11°12	15°50	16°57	18°20	29°18	28°11	M 4
T 5	13 19 22	21°40'00	11♈ 8	3°16	4°53	26°15	11°45	10°19	20°34	11°14	15°48	16°47	18°17	29°25	28°15	T 5
W 6	13 23 19	22°38'26	25°11	5°15	6° 6	26°19	11°57	10°23	20°34	11°15	15°47	16°39	18°14	29°31	28°18	W 6
T 7	13 27 15	23°36'49	9♉28	7°12	7°20	26°23	12°10	10°26	20°35	11°17	15°45	16°32	18°11	29°38	28°21	T 7
F 8	13 31 12	24°35'11	23°53	9° 7	8°34	26°29	12°22	10°30	20°36	11°18	15°43	16°28	18° 7	29°45	28°25	F 8
S 9	13 35 8	25°33'31	8♊21	10°58	9°47	26°35	12°35	10°33	20°36	11°20	15°42	16°26	18° 4	29°51	28°28	S 9
S 10	13 39 5	26°31'49	22°47	12°46	11° 1	26°41	12°47	10°37	20°37	11°22	15°40	16°D26	18° 1	29°58	28°31	S 10
M11	13 43 1	27°30'04	7♋ 7	14°31	12°15	26°48	13° 0	10°41	20°37	11°24	15°38	16°27	17°58	0♑ 5	28°35	M11
T 12	13 46 58	28°28'18	21°19	16°13	13°29	26°56	13°12	10°45	20°37	11°25	15°37	16°27	17°55	0°11	28°38	T 12
W13	13 50 54	29°26'30	5♌21	17°51	14°42	27° 5	13°24	10°49	20°38	11°27	15°35	16°R27	17°52	0°18	28°41	W13
T 14	13 54 51	0♉24'39	19°12	19°25	15°56	27°14	13°36	10°53	20°38	11°29	15°34	16°26	17°48	0°25	28°44	T 14
F 15	13 58 48	1°22'46	2♍53	20°55	17°10	27°23	13°48	10°57	20°38	11°31	15°32	16°22	17°45	0°31	28°48	F 15
S 16	14 2 44	2°20'51	16°21	22°21	18°23	27°34	14° 0	11° 2	20°38	11°32	15°30	16°17	17°42	0°38	28°51	S 16
S 17	14 6 41	3°18'55	29°37	23°43	19°37	27°44	14°12	11° 6	20°38	11°34	15°29	16°10	17°39	0°45	28°54	S 17
M18	14 10 37	4°16'56	12♎40	25° 1	20°51	27°56	14°23	11°10	20°R38	11°36	15°27	16° 3	17°36	0°51	28°57	M18
T 19	14 14 34	5°14'56	25°30	26°14	22° 4	28° 8	14°35	11°15	20°38	11°38	15°26	15°56	17°32	0°58	29° 0	T 19
W20	14 18 30	6°12'54	8♏ 6	27°24	23°18	28°20	14°47	11°20	20°38	11°40	15°24	15°50	17°29	1° 4	29° 3	W20
T 21	14 22 27	7°10'50	20°28	28°28	24°31	28°33	14°58	11°24	20°38	11°42	15°22	15°46	17°26	1°11	29° 6	T 21
F 22	14 26 23	8° 8'45	2♐38	29°29	25°45	28°47	15°10	11°29	20°38	11°44	15°21	15°43	17°23	1°18	29° 9	F 22
S 23	14 30 20	9° 6'38	14°38	0♊25	26°59	29° 1	15°21	11°34	20°38	11°46	15°19	15°D42	17°20	1°24	29°12	S 23
S 24	14 34 17	10° 4'30	26°31	1°16	28°12	29°16	15°32	11°39	20°37	11°48	15°18	15°43	17°17	1°31	29°15	S 24
M25	14 38 13	11° 2'21	8♑19	2° 3	29°26	29°31	15°43	11°44	20°37	11°49	15°16	15°44	17°13	1°38	29°18	M25
T 26	14 42 10	12° 0'11	20° 8	2°45	0♉40	29°46	15°54	11°49	20°37	11°51	15°15	15°46	17°10	1°44	29°21	T 26
W27	14 46 6	12°57'59	2♒ 2	3°22	1°53	0♍ 2	16° 5	11°54	20°36	11°53	15°13	15°47	17° 7	1°51	29°24	W27
T 28	14 50 3	13°55'46	14° 6	3°54	3° 7	0°19	16°16	11°59	20°36	11°55	15°12	15°R48	17° 4	1°58	29°27	T 28
F 29	14 53 59	14°53'31	26°24	4°22	4°21	0°36	16°27	12° 5	20°35	11°58	15°11	15°47	17° 1	2° 4	29°29	F 29
S 30	14 57 56	15♉51'16	9♓ 2	4♊45	5♉34	0♍53	16♓37	12♋10	20♑35	12♊ 0	15♎ 9	15♊45	16♊58	2♑11	29♓32	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 0	19s37	4s28	10n 0	0n18	1s24	1s31	15n30	2n49	8s28	1s 1	23n 8	0s 1	22s26	0s28	20n49	1s24	10n 1	17n41	22n56	23n 2	24s28	2n 4	3n 7
S 2	7 22	15 43	4 53	10 56	0 29	0 55	1 31	15 28	2 46	8 23	1 1	23 8	0 1	22 26	0 28	20 49	1 24	10 2	17 41	22 55	23 2	24 29	2 6	3 7
S 3	7 45	11 0	5 5	11 51	0 40	0 26	1 31	15 25	2 44	8 18	1 2	23 7	0 1	22 26	0 28	20 50	1 24	10 3	17 41	22 55	23 2	24 30	2 7	3 7
M 4	8 7	5 38	5 0	12 45	0 51	0n 4	1 31	15 22	2 41	8 13	1 2	23 7	0 1	22 25	0 28	20 50	1 24	10 3	17 41	22 54	23 1	24 31	2 8	3 7
T 5	8 29	0n 9	4 39	13 37	1 1	0 34	1 31	15 18	2 39	8 8	1 2	23 7	0 1	22 25	0 28	20 50	1 24	10 4	17 41	22 53	23 1	24 32	2 10	3 7
W 6	8 51	6 4	4 0	14 27	1 12	1 3	1 30	15 14	2 36	8 4	1 2	23 7	0 1	22 25	0 28	20 50	1 24	10 4	17 41	22 52	23 1	24 33	2 11	3 7
T 7	9 12	11 47	3 5	15 16	1 22	1 33	1 30	15 11	2 34	7 59	1 2	23 7	0 1	22 25	0 28	20 51	1 24	10 5	17 41	22 51	23 1	24 34	2 12	3 7
F 8	9 34	16 55	1 58	16 2	1 32	2 2	1 30	15 6	2 31	7 54	1 2	23 7	0 1	22 25	0 28	20 51	1 24	10 5	17 40	22 51	23 0	24 35	2 14	3 7
S 9	9 55	21 5	0 43	16 47	1 41	2 32	1 29	15 2	2 29	7 50	1 3	23 6	0 1	22 25	0 28	20 51	1 24	10 6	17 40	22 51	23 0	24 36	2 15	3 7
S 10	10 17	23 55	0n34	17 29	1 50	3 1	1 29	14 58	2 26	7 45	1 3	23 6	0 0	22 25	0 28	20 52	1 23	10 7	17 40	22 51	23 0	24 36	2 16	3 7
M11	10 38	25 10	1 49	18 8	1 58	3 31	1 28	14 53	2 24	7 41	1 3	23 6	0 0	22 25	0 28	20 52	1 23	10 7	17 40	22 51	22 59	24 37	2 18	3 7
T 12	10 59	24 45	2 57	18 45	2 5	4 0	1 27	14 48	2 21	7 36	1 3	23 6	0 0	22 25	0 28	20 52	1 23	10 8	17 40	22 51	22 59	24 38	2 19	3 7
W13	11 19	22 46	3 53	19 20	2 12	4 29	1 27	14 43	2 19	7 32	1 3	23 6	0 0	22 25	0 28	20 52	1 23	10 8	17 40	22 51	22 59	24 39	2 20	3 7
T 14	11 40	19 28	4 35	19 52	2 18	4 59	1 26	14 37	2 17	7 27	1 3	23 5	0 0	22 25	0 29	20 53	1 23	10 8	17 40	22 51	22 59	24 40	2 22	3 7
F 15	12 0	15 9	5 0	20 22	2 23	5 28	1 25	14 32	2 14	7 23	1 4	23 5	0 0	22 25	0 29	20 53	1 23	10 9	17 40	22 50	22 58	24 41	2 23	3 7
S 16	12 20	10 9	5 9	20 49	2 28	5 57	1 24	14 26	2 12	7 18	1 4	23 5	0n 0	22 25	0 29	20 53	1 23	10 9	17 39	22 50	22 58	24 41	2 24	3 7
S 17	12 40	4 44	5 0	21 13	2 31	6 26	1 23	14 20	2 10	7 14	1 4	23 5	0 0	22 25	0 29	20 53	1 23	10 10	17 39	22 49	22 58	24 42	2 26	3 8
M18	13 0	0s47	4 36	21 35	2 34	6 54	1 22	14 14	2 8	7 9	1 4	23 4	0 0	22 25	0 29	20 54	1 23	10 10	17 39	22 48	22 57	24 43	2 27	3 8
T 19	13 20	6 12	3 59	21 55	2 36	7 23	1 21	14 8	2 5	7 5	1 4	23 4	0 0	22 25	0 29	20 54	1 23	10 11	17 39	22 48	22 57	24 44	2 28	3 8
W20	13 39	11 16	3 10	22 12	2 37	7 51	1 20	14 1	2 3	7 1	1 5	23 4	0 0	22 25	0 29	20 54	1 23	10 11	17 39	22 47	22 57	24 45	2 29	3 8
T 21	13 58	15 48	2 13	22 27	2 37	8 20	1 18	13 55	2 1	6 56	1 5	23 3	0 1	22 25	0 29	20 55	1 23	10 11	17 38	22 46	22 57	24 46	2 31	3 8
F 22	14 17	19 37	1 11	22 39	2 36	8 48	1 17	13 48	1 59	6 52	1 5	23 3	0 1	22 25	0 29	20 55	1 23	10 12	17 38	22 46	22 56	24 46	2 32	3 8
S 23	14 35	22 33	0 6	22 49	2 33	9 16	1 16	13 41	1 57	6 48	1 5	23 3	0 1	22 25	0 29	20 55	1 23	10 12	17 38	22 46	22 56	24 47	2 33	3 8
S 24	14 54	24 28	0s59	22 57	2 30	9 43	1 14	13 34	1 54	6 44	1 5	23 2	0 1	22 25	0 29	20 55	1 23	10 12	17 38	22 46	22 56	24 48	2 34	3 8
M25	15 12	25 17	2 1	23 3	2 26	10 11	1 13	13 27	1 52	6 40	1 6	23 2	0 1	22 25	0 29	20 56	1 23	10 13	17 37	22 46	22 55	24 49	2 35	3 8
T 26	15 30	24 57	2 57	23 6	2 21	10 38	1 12	13 19	1 50	6 35	1 6	23 2	0 1	22 26	0 29	20 56	1 23	10 13	17 37	22 46	22 55	24 49	2 37	3 8
W27	15 48	23 28	3 47	23 7	2 15	11 5	1 10	13 11	1 48	6 31	1 6	23 1	0 1	22 26	0 29	20 56	1 23	10 13	17 37	22 47	22 55	24 50	2 38	3 8
T 28	16 5	20 55	4 27	23 7	2 8	11 32	1 8	13 4	1 46	6 27	1 6	23 1	0 1	22 26	0 29	20 57	1 23	10 14	17 36	22 47	22 54	24 51	2 39	3 8
F 29	16 22	17 24	4 56	23 4	2 0	11 58	1 7	12 56	1 44	6 23	1 6	23 1	0 1	22 26	0 29	20 57	1 23	10 14	17 36	22 47	22 54	24 52	2 40	3 8
S 30	16n39	13s 1	5s11	22n59	1n50	12n24	1s 5	12n48	1n42	6s19	1s 7	23n 0	0n 1	22s26	0s29	20n57	1s23	10n14	17n36	22n46	22n54	24s52	2n41	3n 8

Julian Day Number = 2173692.5, Delta T = 12m05s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'54, Lahiri = 13°14'54 Julian Calendar 1 Apr. 1239 == Greg. Calendar 8 Apr. 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

MAY 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 1 52	16♉48'59	22♓ 3	5♊ 3	6♉48	1♍11	16♓48	12♋16	20°R34	12♊ 2	15°R 8	15°R42	16♊54	2♑18	29♓35	S 1
M 2	15 5 49	17°46'41	5♈29	5°15	8° 1	1°29	16°58	12°21	20♑34	12° 4	15♎ 6	15♊38	16°51	2°24	29°38	M 2
T 3	15 9 46	18°44'23	19°20	5°24	9°15	1°48	17° 8	12°27	20°33	12° 6	15° 5	15°34	16°48	2°31	29°40	T 3
W 4	15 13 42	19°42'02	3♉35	5°R27	10°29	2° 7	17°19	12°32	20°32	12° 8	15° 4	15°31	16°45	2°38	29°43	W 4
T 5	15 17 39	20°39'41	18° 8	5°26	11°42	2°27	17°29	12°38	20°31	12°10	15° 2	15°28	16°42	2°44	29°45	T 5
F 6	15 21 35	21°37'19	2♊55	5°20	12°56	2°47	17°39	12°44	20°31	12°12	15° 1	15°26	16°38	2°51	29°48	F 6
S 7	15 25 32	22°34'55	17°47	5° 9	14°10	3° 7	17°49	12°50	20°30	12°14	15° 0	15°D26	16°35	2°58	29°50	S 7
S 8	15 29 28	23°32'30	2♋37	4°55	15°23	3°28	17°58	12°56	20°29	12°16	14°59	15°26	16°32	3° 4	29°53	S 8
M 9	15 33 25	24°30'04	17°17	4°37	16°37	3°49	18° 8	13° 2	20°28	12°18	14°58	15°28	16°29	3°11	29°55	M 9
T 10	15 37 21	25°27'36	1♌45	4°15	17°50	4°11	18°17	13° 8	20°27	12°21	14°56	15°29	16°26	3°18	29°58	T 10
W11	15 41 18	26°25'07	15°55	3°50	19° 4	4°32	18°27	13°14	20°26	12°23	14°55	15°30	16°23	3°24	0♈ 0	W11
T 12	15 45 15	27°22'36	29°46	3°22	20°18	4°55	18°36	13°20	20°25	12°25	14°54	15°R30	16°19	3°31	0° 2	T 12
F 13	15 49 11	28°20'04	13♍19	2°52	21°31	5°17	18°45	13°26	20°23	12°27	14°53	15°30	16°16	3°37	0° 5	F 13
S 14	15 53 8	29°17'30	26°34	2°20	22°45	5°40	18°54	13°32	20°22	12°29	14°52	15°28	16°13	3°44	0° 7	S 14
S 15	15 57 4	0♊14'55	9♎33	1°47	23°59	6° 3	19° 3	13°39	20°21	12°32	14°51	15°26	16°10	3°51	0° 9	S 15
M16	16 1 1	1°12'19	22°17	1°14	25°12	6°27	19°12	13°45	20°20	12°34	14°50	15°24	16° 7	3°57	0°11	M16
T 17	16 4 57	2° 9'42	4♏47	0°40	26°26	6°51	19°20	13°52	20°18	12°36	14°49	15°23	16° 4	4° 4	0°13	T 17
W18	16 8 54	3° 7'04	17° 5	0° 7	27°39	7°15	19°29	13°58	20°17	12°38	14°48	15°21	16° 0	4°11	0°15	W18
T 19	16 12 50	4° 4'25	29°13	29♉35	28°53	7°39	19°37	14° 5	20°16	12°40	14°47	15°20	15°57	4°17	0°17	T 19
F 20	16 16 47	5° 1'45	11♐13	29° 5	0♊ 7	8° 4	19°45	14°11	20°14	12°43	14°46	15°D19	15°54	4°24	0°19	F 20
S 21	16 20 44	5°59'04	23° 7	28°37	1°20	8°29	19°54	14°18	20°13	12°45	14°45	15°20	15°51	4°31	0°21	S 21
S 22	16 24 40	6°56'23	4♑57	28°11	2°34	8°55	20° 2	14°24	20°11	12°47	14°44	15°20	15°48	4°37	0°23	S 22
M23	16 28 37	7°53'41	16°45	27°49	3°47	9°20	20° 9	14°31	20°10	12°49	14°43	15°21	15°44	4°44	0°25	M23
T 24	16 32 33	8°50'58	28°35	27°30	5° 1	9°46	20°17	14°38	20° 8	12°52	14°42	15°21	15°41	4°51	0°27	T 24
W25	16 36 30	9°48'15	10♒30	27°15	6°15	10°12	20°25	14°45	20° 7	12°54	14°42	15°22	15°38	4°57	0°28	W25
T 26	16 40 26	10°45'31	22°34	27° 3	7°28	10°39	20°32	14°52	20° 5	12°56	14°41	15°23	15°35	5° 4	0°30	T 26
F 27	16 44 23	11°42'47	4♓52	26°56	8°42	11° 6	20°39	14°59	20° 3	12°58	14°40	15°23	15°32	5°11	0°32	F 27
S 28	16 48 19	12°40'03	17°27	26°D54	9°56	11°33	20°46	15° 6	20° 2	13° 0	14°39	15°R23	15°29	5°17	0°33	S 28
S 29	16 52 16	13°37'18	0♈24	26°55	11° 9	12° 0	20°53	15°13	20° 0	13° 3	14°39	15°23	15°25	5°24	0°35	S 29
M30	16 56 13	14°34'33	13°46	27° 2	12°23	12°27	21° 0	15°20	19°58	13° 5	14°38	15°23	15°22	5°31	0°36	M30
T 31	17 0 9	15♊31'47	27♈34	27♉13	13♊37	12♍55	21♓ 7	15♋27	19♑56	13♊ 7	14♎37	15°D23	15♊19	5♑37	0♈38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	16n56	7s56	5s12	22n52	1n40	12n50	1s 4	12n39	1n40	6s16	1s 7	23n 0	0n 1	22s26	0s29	20n58	1s23	10n14	17n36	22n46	22n53	24s53	2n42	3n 8
M 2	17 12	2 20	4 55	22 43	1 29	13 16	1 2	12 31	1 38	6 12	1 7	22 59	0 2	22 26	0 29	20 58	1 23	10 14	17 35	22 46	22 53	24 54	2 44	3 8
T 3	17 28	3n34	4 21	22 33	1 17	13 41	1 0	12 22	1 36	6 8	1 7	22 59	0 2	22 26	0 29	20 58	1 23	10 15	17 35	22 45	22 53	24 55	2 45	3 8
W 4	17 44	9 28	3 30	22 20	1 3	14 6	0 58	12 14	1 34	6 4	1 7	22 58	0 2	22 26	0 29	20 58	1 23	10 15	17 35	22 45	22 53	24 55	2 46	3 8
T 5	17 59	14 59	2 25	22 6	0 49	14 31	0 56	12 5	1 32	6 0	1 8	22 58	0 2	22 27	0 29	20 59	1 23	10 15	17 34	22 45	22 52	24 56	2 47	3 8
F 6	18 15	19 43	1 8	21 51	0 35	14 55	0 54	11 56	1 31	5 57	1 8	22 57	0 2	22 27	0 29	20 59	1 23	10 15	17 34	22 44	22 52	24 57	2 48	3 9
S 7	18 30	23 11	0n13	21 34	0 19	15 19	0 52	11 47	1 29	5 53	1 8	22 57	0 2	22 27	0 29	20 59	1 23	10 15	17 33	22 44	22 52	24 58	2 49	3 9
S 8	18 44	25 4	1 33	21 15	0 3	15 43	0 50	11 38	1 27	5 49	1 8	22 57	0 2	22 27	0 29	21 0	1 23	10 15	17 33	22 44	22 51	24 58	2 50	3 9
M 9	18 58	25 10	2 47	20 56	0s14	16 6	0 48	11 28	1 25	5 46	1 9	22 56	0 2	22 27	0 29	21 0	1 23	10 15	17 33	22 45	22 51	24 59	2 51	3 9
T 10	19 12	23 34	3 49	20 35	0 31	16 29	0 46	11 19	1 23	5 42	1 9	22 56	0 2	22 27	0 29	21 0	1 23	10 16	17 32	22 45	22 51	25 0	2 52	3 9
W11	19 26	20 30	4 35	20 13	0 48	16 51	0 44	11 9	1 22	5 39	1 9	22 55	0 2	22 28	0 29	21 1	1 23	10 16	17 32	22 45	22 50	25 0	2 53	3 9
T 12	19 39	16 20	5 4	19 51	1 5	17 13	0 42	10 59	1 20	5 35	1 9	22 54	0 2	22 28	0 29	21 1	1 22	10 16	17 32	22 45	22 50	25 1	2 54	3 9
F 13	19 52	11 26	5 16	19 28	1 23	17 35	0 40	10 49	1 18	5 32	1 10	22 54	0 3	22 28	0 29	21 1	1 22	10 16	17 31	22 45	22 50	25 2	2 55	3 9
S 14	20 5	6 6	5 10	19 5	1 40	17 56	0 38	10 39	1 16	5 29	1 10	22 53	0 3	22 28	0 29	21 1	1 22	10 16	17 31	22 45	22 49	25 2	2 56	3 9
S 15	20 17	0 37	4 49	18 42	1 57	18 16	0 36	10 29	1 15	5 25	1 10	22 53	0 3	22 28	0 29	21 2	1 22	10 16	17 30	22 44	22 49	25 3	2 57	3 9
M16	20 29	4s47	4 13	18 19	2 13	18 36	0 33	10 19	1 13	5 22	1 10	22 52	0 3	22 29	0 29	21 2	1 22	10 16	17 30	22 44	22 49	25 4	2 58	3 9
T 17	20 41	9 56	3 26	17 57	2 29	18 56	0 31	10 8	1 11	5 19	1 11	22 52	0 3	22 29	0 29	21 2	1 22	10 16	17 29	22 44	22 48	25 4	2 59	3 9
W18	20 52	14 36	2 30	17 36	2 44	19 15	0 29	9 58	1 10	5 16	1 11	22 51	0 3	22 29	0 30	21 3	1 22	10 16	17 29	22 44	22 48	25 5	3 0	3 10
T 19	21 3	18 38	1 28	17 15	2 58	19 34	0 27	9 47	1 8	5 13	1 11	22 51	0 3	22 29	0 30	21 3	1 22	10 16	17 28	22 44	22 48	25 5	3 1	3 10
F 20	21 14	21 50	0 23	16 56	3 11	19 52	0 24	9 36	1 6	5 10	1 11	22 50	0 3	22 30	0 30	21 3	1 22	10 16	17 28	22 44	22 47	25 6	3 2	3 10
S 21	21 24	24 5	0s43	16 39	3 22	20 9	0 22	9 25	1 5	5 7	1 12	22 49	0 3	22 30	0 30	21 4	1 22	10 15	17 28	22 44	22 47	25 7	3 2	3 10
S 22	21 34	25 13	1 47	16 23	3 33	20 26	0 20	9 14	1 3	5 4	1 12	22 49	0 3	22 30	0 30	21 4	1 22	10 15	17 27	22 44	22 47	25 7	3 3	3 10
M23	21 43	25 13	2 46	16 9	3 42	20 43	0 17	9 3	1 2	5 1	1 12	22 48	0 3	22 30	0 30	21 4	1 22	10 15	17 27	22 44	22 46	25 8	3 4	3 10
T 24	21 52	24 5	3 38	15 56	3 50	20 59	0 15	8 52	1 0	4 58	1 12	22 47	0 3	22 31	0 30	21 4	1 22	10 15	17 26	22 44	22 46	25 8	3 5	3 10
W25	22 1	21 52	4 21	15 46	3 57	21 14	0 13	8 41	0 59	4 56	1 13	22 47	0 4	22 31	0 30	21 5	1 22	10 15	17 26	22 44	22 46	25 9	3 6	3 10
T 26	22 9	18 39	4 53	15 39	4 3	21 29	0 10	8 29	0 57	4 53	1 13	22 46	0 4	22 31	0 30	21 5	1 22	10 15	17 25	22 44	22 45	25 10	3 6	3 10
F 27	22 17	14 36	5 12	15 33	4 7	21 43	0 8	8 17	0 56	4 50	1 13	22 45	0 4	22 31	0 30	21 5	1 22	10 15	17 25	22 44	22 45	25 10	3 7	3 10
S 28	22 25	9 50	5 17	15 29	4 10	21 56	0 6	8 6	0 54	4 48	1 13	22 45	0 4	22 32	0 30	21 6	1 22	10 14	17 24	22 44	22 45	25 11	3 8	3 10
S 29	22 32	4 32	5 7	15 28	4 12	22 9	0 3	7 54	0 53	4 45	1 14	22 44	0 4	22 32	0 30	21 6	1 22	10 14	17 24	22 44	22 44	25 11	3 9	3 11
M30	22 39	1n 9	4 40	15 29	4 12	22 22	0 1	7 42	0 51	4 43	1 14	22 43	0 4	22 32	0 30	21 6	1 22	10 14	17 23	22 44	22 44	25 12	3 9	3 11
T 31	22n45	6n59	3s56	15n32	4s11	22n33	0n 2	7n30	0n50	4s40	1s14	22n42	0n 4	22s33	0s30	21n 6	1s22	10n14	17n23	22n44	22n44	25s12	3n10	3n11

Julian Day Number = 2173722.5, Delta T = 12m05s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°07'58, Lahiri = 13°14'59 Julian Calendar 1 May 1239 == Greg. Calendar 8 May 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

JUNE 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 4 6	16♊29'02	11♉48	27♉28	14♊50	13♍23	21♓13	15♋34	19°R54	13♊ 9	14°R37	15♊23	15♊16	5♑44	0♈39	W 1
T 2	17 8 2	17°26'16	26°25	27°48	16° 4	13°51	21°19	15°41	19♑52	13°12	14♎36	15°23	15°13	5°51	0°41	T 2
F 3	17 11 59	18°23'30	11♊21	28°13	17°18	14°20	21°26	15°48	19°51	13°14	14°36	15°R23	15°10	5°57	0°42	F 3
S 4	17 15 55	19°20'44	26°27	28°43	18°31	14°49	21°32	15°55	19°49	13°16	14°35	15°23	15° 6	6° 4	0°43	S 4
S 5	17 19 52	20°17'57	11♋35	29°16	19°45	15°18	21°37	16° 3	19°47	13°18	14°35	15°23	15° 3	6°11	0°44	S 5
M 6	17 23 49	21°15'10	26°35	29°55	20°59	15°47	21°43	16°10	19°45	13°21	14°35	15°22	15° 0	6°17	0°46	M 6
T 7	17 27 45	22°12'22	11♌20	0♊37	22°12	16°16	21°49	16°17	19°43	13°23	14°34	15°21	14°57	6°24	0°47	T 7
W 8	17 31 42	23° 9'34	25°44	1°24	23°26	16°46	21°54	16°25	19°41	13°25	14°34	15°21	14°54	6°30	0°48	W 8
T 9	17 35 38	24° 6'45	9♍44	2°16	24°40	17°16	21°59	16°32	19°39	13°27	14°33	15°20	14°50	6°37	0°49	T 9
F 10	17 39 35	25° 3'55	23°19	3°11	25°54	17°46	22° 4	16°39	19°36	13°29	14°33	15°D20	14°47	6°44	0°50	F 10
S 11	17 43 31	26° 1'05	6♎30	4°11	27° 7	18°16	22° 9	16°47	19°34	13°32	14°33	15°20	14°44	6°50	0°51	S 11
S 12	17 47 28	26°58'15	19°20	5°15	28°21	18°46	22°14	16°54	19°32	13°34	14°33	15°21	14°41	6°57	0°51	S 12
M13	17 51 24	27°55'25	1♏52	6°22	29°35	19°17	22°18	17° 2	19°30	13°36	14°33	15°22	14°38	7° 4	0°52	M13
T 14	17 55 21	28°52'34	14° 9	7°34	0♋49	19°48	22°22	17° 9	19°28	13°38	14°32	15°23	14°35	7°10	0°53	T 14
W15	17 59 18	29°49'43	26°15	8°50	2° 2	20°19	22°26	17°17	19°26	13°40	14°32	15°24	14°31	7°17	0°54	W15
T 16	18 3 14	0♋46'51	8♐12	10° 9	3°16	20°50	22°30	17°24	19°23	13°43	14°32	15°24	14°28	7°24	0°54	T 16
F 17	18 7 11	1°44'00	20° 4	11°33	4°30	21°21	22°34	17°32	19°21	13°45	14°32	15°R25	14°25	7°30	0°55	F 17
S 18	18 11 7	2°41'09	1♑53	13° 0	5°44	21°53	22°38	17°39	19°19	13°47	14°D32	15°24	14°22	7°37	0°55	S 18
S 19	18 15 4	3°38'18	13°42	14°31	6°57	22°25	22°41	17°47	19°17	13°49	14°32	15°22	14°19	7°44	0°56	S 19
M20	18 19 0	4°35'27	25°32	16° 5	8°11	22°57	22°44	17°55	19°14	13°51	14°32	15°20	14°16	7°50	0°56	M20
T 21	18 22 57	5°32'36	7♒26	17°43	9°25	23°29	22°47	18° 2	19°12	13°53	14°32	15°17	14°12	7°57	0°57	T 21
W22	18 26 53	6°29'46	19°25	19°25	10°39	24° 1	22°50	18°10	19°10	13°55	14°32	15°13	14° 9	8° 4	0°57	W22
T 23	18 30 50	7°26'56	1♓34	21°10	11°52	24°34	22°53	18°18	19° 7	13°57	14°33	15°10	14° 6	8°10	0°57	T 23
F 24	18 34 47	8°24'06	13°54	22°58	13° 6	25° 6	22°56	18°25	19° 5	13°59	14°33	15° 8	14° 3	8°17	0°58	F 24
S 25	18 38 43	9°21'17	26°30	24°49	14°20	25°39	22°58	18°33	19° 3	14° 2	14°33	15° 6	14° 0	8°24	0°58	S 25
S 26	18 42 40	10°18'29	9♈24	26°43	15°34	26°12	23° 0	18°41	19° 0	14° 4	14°33	15°D 5	13°56	8°30	0°58	S 26
M27	18 46 36	11°15'41	22°39	28°40	16°48	26°45	23° 2	18°49	18°58	14° 6	14°33	15° 6	13°53	8°37	0°58	M27
T 28	18 50 33	12°12'54	6♉19	0♋39	18° 1	27°18	23° 4	18°56	18°56	14° 8	14°34	15° 7	13°50	8°44	0°R58	T 28
W29	18 54 29	13°10'07	20°23	2°40	19°15	27°52	23° 5	19° 4	18°53	14°10	14°34	15° 8	13°47	8°50	0°58	W29
T 30	18 58 26	14♋ 7'22	4♊52	4♋43	20♋29	28♍26	23♓ 6	19♋12	18♑51	14♊12	14♎35	15♊10	13♊44	8♑57	0♈58	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n51	12n39	2s56	15n37	4s10	22n44	0n 4	7n18	0n48	4s38	1s14	22n42	0n 4	22s33	0s30	21n 7	1s22	10n13	17n22	22n44	22n43	25s13	3n11	3n11
T 2	22 57	17 45	1 43	15 44	4 7	22 55	0 6	7 6	0 47	4 36	1 15	22 41	0 4	22 33	0 30	21 7	1 22	10 13	17 22	22 44	22 43	25 13	3 11	3 11
F 3	23 2	21 52	0 22	15 54	4 3	23 4	0 9	6 53	0 45	4 34	1 15	22 40	0 4	22 33	0 30	21 7	1 22	10 13	17 21	22 44	22 43	25 14	3 12	3 11
S 4	23 7	24 31	1n 1	16 5	3 58	23 13	0 11	6 41	0 44	4 32	1 15	22 39	0 4	22 34	0 30	21 8	1 22	10 12	17 20	22 44	22 42	25 15	3 13	3 11
S 5	23 11	25 22	2 20	16 17	3 53	23 22	0 13	6 29	0 43	4 30	1 16	22 39	0 5	22 34	0 30	21 8	1 22	10 12	17 20	22 44	22 42	25 15	3 13	3 11
M 6	23 15	24 21	3 29	16 32	3 47	23 30	0 16	6 16	0 41	4 28	1 16	22 38	0 5	22 34	0 30	21 8	1 22	10 12	17 19	22 44	22 41	25 16	3 14	3 11
T 7	23 18	21 40	4 23	16 47	3 39	23 37	0 18	6 3	0 40	4 26	1 16	22 37	0 5	22 35	0 30	21 8	1 22	10 11	17 19	22 44	22 41	25 16	3 14	3 12
W 8	23 22	17 41	4 59	17 5	3 31	23 43	0 20	5 50	0 39	4 24	1 16	22 36	0 5	22 35	0 30	21 9	1 22	10 11	17 18	22 44	22 41	25 17	3 15	3 12
T 9	23 24	12 49	5 16	17 23	3 23	23 48	0 23	5 38	0 37	4 22	1 17	22 35	0 5	22 35	0 30	21 9	1 22	10 11	17 18	22 44	22 40	25 17	3 15	3 12
F 10	23 27	7 28	5 14	17 43	3 14	23 53	0 25	5 25	0 36	4 20	1 17	22 35	0 5	22 36	0 30	21 9	1 22	10 10	17 17	22 44	22 40	25 17	3 16	3 12
S 11	23 29	1 56	4 56	18 3	3 4	23 58	0 27	5 12	0 35	4 19	1 17	22 34	0 5	22 36	0 30	21 9	1 22	10 10	17 17	22 44	22 40	25 18	3 16	3 12
S 12	23 30	3s32	4 23	18 25	2 54	24 1	0 29	4 58	0 33	4 17	1 18	22 33	0 5	22 36	0 30	21 10	1 22	10 9	17 16	22 44	22 39	25 18	3 17	3 12
M13	23 31	8 45	3 39	18 47	2 43	24 4	0 32	4 45	0 32	4 16	1 18	22 32	0 5	22 37	0 30	21 10	1 22	10 9	17 15	22 44	22 39	25 19	3 17	3 12
T 14	23 32	13 32	2 45	19 10	2 32	24 6	0 34	4 32	0 31	4 14	1 18	22 31	0 5	22 37	0 30	21 10	1 22	10 8	17 15	22 44	22 39	25 19	3 17	3 12
W15	23 32	17 42	1 44	19 33	2 20	24 7	0 36	4 18	0 30	4 13	1 19	22 30	0 5	22 37	0 30	21 11	1 22	10 8	17 14	22 44	22 38	25 20	3 18	3 12
T 16	23 32	21 7	0 40	19 57	2 8	24 8	0 38	4 5	0 28	4 12	1 19	22 29	0 5	22 38	0 30	21 11	1 22	10 8	17 14	22 44	22 38	25 20	3 18	3 13
F 17	23 32	23 36	0s26	20 21	1 56	24 8	0 40	3 51	0 27	4 10	1 19	22 29	0 6	22 38	0 30	21 11	1 22	10 7	17 13	22 44	22 37	25 21	3 19	3 13
S 18	23 31	25 1	1 30	20 44	1 44	24 7	0 42	3 38	0 26	4 9	1 19	22 28	0 6	22 38	0 30	21 11	1 22	10 6	17 13	22 44	22 37	25 21	3 19	3 13
S 19	23 29	25 19	2 30	21 7	1 31	24 6	0 44	3 24	0 25	4 8	1 20	22 27	0 6	22 39	0 30	21 12	1 22	10 6	17 12	22 44	22 37	25 21	3 19	3 13
M20	23 28	24 28	3 24	21 30	1 19	24 4	0 47	3 10	0 24	4 7	1 20	22 26	0 6	22 39	0 30	21 12	1 22	10 5	17 11	22 44	22 36	25 22	3 19	3 13
T 21	23 25	22 30	4 9	21 52	1 6	24 1	0 49	2 57	0 22	4 6	1 20	22 25	0 6	22 39	0 30	21 12	1 22	10 5	17 11	22 43	22 36	25 22	3 20	3 13
W22	23 23	19 32	4 43	22 14	0 53	23 57	0 50	2 43	0 21	4 5	1 21	22 24	0 6	22 40	0 30	21 12	1 22	10 4	17 10	22 43	22 36	25 23	3 20	3 13
T 23	23 20	15 43	5 6	22 34	0 41	23 53	0 52	2 29	0 20	4 5	1 21	22 23	0 6	22 40	0 30	21 12	1 22	10 4	17 10	22 43	22 35	25 23	3 20	3 13
F 24	23 16	11 11	5 14	22 53	0 28	23 47	0 54	2 15	0 19	4 4	1 21	22 22	0 6	22 40	0 30	21 13	1 22	10 3	17 9	22 42	22 35	25 23	3 20	3 13
S 25	23 12	6 7	5 8	23 10	0 16	23 42	0 56	2 0	0 18	4 3	1 22	22 21	0 6	22 41	0 30	21 13	1 22	10 2	17 9	22 42	22 34	25 24	3 20	3 14
S 26	23 8	0 39	4 47	23 26	0 4	23 35	0 58	1 46	0 17	4 3	1 22	22 20	0 6	22 41	0 30	21 13	1 22	10 2	17 8	22 42	22 34	25 24	3 21	3 14
M27	23 4	4n59	4 10	23 39	0n 7	23 28	1 0	1 32	0 16	4 2	1 22	22 19	0 6	22 41	0 30	21 13	1 22	10 1	17 7	22 42	22 34	25 25	3 21	3 14
T 28	22 58	10 34	3 17	23 51	0 19	23 20	1 1	1 18	0 14	4 2	1 23	22 18	0 6	22 42	0 30	21 14	1 22	10 1	17 7	22 42	22 33	25 25	3 21	3 14
W29	22 53	15 48	2 12	24 0	0 29	23 11	1 3	1 3	0 13	4 1	1 23	22 17	0 7	22 42	0 30	21 14	1 22	10 0	17 6	22 42	22 33	25 25	3 21	3 14
T 30	22n47	20n16	0s56	24n 7	0n40	23n 2	1n 5	0n49	0n12	4s 1	1s23	22n16	0n 7	22s42	0s30	21n14	1s22	9n59	17n 6	22n43	22n33	25s26	3n21	3n14

Julian Day Number = 2173753.5, Delta T = 12m05s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'02, Lahiri = 13°15'03 Julian Calendar 1 June 1239 == Greg. Calendar 8 June 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

JULY 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 2 22	15♋ 4'37	19♊43	6♋48	21♋43	28♍59	23♓ 8	19♋20	18°R48	14♊14	14♎35	15°R10	13♊41	9♉ 4	0°R58	F 1
S 2	19 6 19	16° 1'53	4♋48	8°53	22°57	29°33	23° 9	19°27	18♉46	14°16	14°35	15♊ 9	13°37	9°10	0♈57	S 2
S 3	19 10 16	16°59'09	20° 1	11° 0	24°11	0♎ 7	23° 9	19°35	18°44	14°18	14°36	15° 6	13°34	9°17	0°57	S 3
M 4	19 14 12	17°56'26	5♌10	13° 7	25°25	0°42	23°10	19°43	18°41	14°20	14°36	15° 2	13°31	9°24	0°57	M 4
T 5	19 18 9	18°53'44	20° 7	15°15	26°39	1°16	23°10	19°51	18°39	14°22	14°37	14°57	13°28	9°30	0°56	T 5
W 6	19 22 5	19°51'01	4♍43	17°22	27°52	1°51	23°R10	19°58	18°36	14°23	14°38	14°53	13°25	9°37	0°56	W 6
T 7	19 26 2	20°48'20	18°53	19°29	29° 6	2°25	23°10	20° 6	18°34	14°25	14°38	14°48	13°22	9°44	0°55	T 7
F 8	19 29 58	21°45'38	2♎34	21°36	0♌20	3° 0	23°10	20°14	18°32	14°27	14°39	14°45	13°18	9°50	0°55	F 8
S 9	19 33 55	22°42'58	15°48	23°42	1°34	3°35	23°10	20°22	18°29	14°29	14°40	14°44	13°15	9°57	0°54	S 9
S 10	19 37 51	23°40'17	28°37	25°47	2°48	4°10	23° 9	20°29	18°27	14°31	14°40	14°D44	13°12	10° 4	0°54	S 10
M11	19 41 48	24°37'37	11♏ 4	27°51	4° 2	4°45	23° 8	20°37	18°24	14°33	14°41	14°45	13° 9	10°10	0°53	M11
T 12	19 45 45	25°34'58	23°15	29°54	5°16	5°21	23° 7	20°45	18°22	14°34	14°42	14°46	13° 6	10°17	0°52	T 12
W13	19 49 41	26°32'20	5♐15	1♌56	6°30	5°56	23° 6	20°53	18°20	14°36	14°43	14°47	13° 2	10°24	0°51	W13
T 14	19 53 38	27°29'42	17° 7	3°56	7°44	6°32	23° 5	21° 0	18°17	14°38	14°44	14°R48	12°59	10°30	0°51	T 14
F 15	19 57 34	28°27'05	28°55	5°55	8°58	7° 8	23° 3	21° 8	18°15	14°40	14°44	14°47	12°56	10°37	0°50	F 15
S 16	20 1 31	29°24'29	10♑43	7°52	10°12	7°44	23° 1	21°16	18°13	14°41	14°45	14°44	12°53	10°44	0°49	S 16
S 17	20 5 27	0♌21'53	22°33	9°48	11°26	8°20	22°59	21°24	18°10	14°43	14°46	14°38	12°50	10°50	0°48	S 17
M18	20 9 24	1°19'19	4♒28	11°42	12°39	8°56	22°57	21°31	18° 8	14°45	14°47	14°32	12°47	10°57	0°47	M18
T 19	20 13 20	2°16'46	16°30	13°35	13°53	9°32	22°55	21°39	18° 6	14°47	14°48	14°23	12°43	11° 4	0°46	T 19
W20	20 17 17	3°14'14	28°39	15°26	15° 7	10° 9	22°52	21°47	18° 3	14°48	14°49	14°14	12°40	11°10	0°45	W20
T 21	20 21 14	4°11'42	10♓58	17°16	16°21	10°45	22°49	21°54	18° 1	14°50	14°51	14° 6	12°37	11°17	0°43	T 21
F 22	20 25 10	5° 9'13	23°27	19° 4	17°35	11°22	22°47	22° 2	17°59	14°51	14°52	13°58	12°34	11°24	0°42	F 22
S 23	20 29 7	6° 6'44	6♈ 9	20°50	18°49	11°59	22°43	22°10	17°56	14°53	14°53	13°52	12°31	11°30	0°41	S 23
S 24	20 33 3	7° 4'17	19° 5	22°35	20° 3	12°36	22°40	22°17	17°54	14°54	14°54	13°48	12°28	11°37	0°39	S 24
M25	20 37 0	8° 1'52	2♉19	24°19	21°17	13°13	22°37	22°25	17°52	14°56	14°55	13°D47	12°24	11°43	0°38	M25
T 26	20 40 56	8°59'28	15°51	26° 1	22°31	13°50	22°33	22°32	17°50	14°57	14°56	13°47	12°21	11°50	0°37	T 26
W27	20 44 53	9°57'05	29°45	27°41	23°45	14°27	22°29	22°40	17°48	14°59	14°58	13°48	12°18	11°57	0°35	W27
T 28	20 48 49	10°54'45	14♊ 0	29°20	24°59	15° 5	22°25	22°47	17°45	15° 0	14°59	13°R48	12°15	12° 3	0°34	T 28
F 29	20 52 46	11°52'26	28°35	0♍58	26°13	15°42	22°21	22°55	17°43	15° 2	15° 0	13°47	12°12	12°10	0°32	F 29
S 30	20 56 43	12°50'08	13♋27	2°34	27°27	16°20	22°16	23° 2	17°41	15° 3	15° 2	13°44	12° 8	12°17	0°30	S 30
S 31	21 0 39	13♌47'52	28♋29	4♍ 8	28♌41	16♎58	22♓12	23♋10	17♉39	15♊ 4	15♎ 3	13♊39	12♊ 5	12♉23	0♈29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22n41	23n33	0n25	24n11	0n49	22n52	1n 6	0n34	0n11	4s 1	1s24	22n15	0n 7	22s43	0s30	21n14	1s22	9n58	17n 5	22n43	22n32	25s26	3n21	3n14	
S 2	22 34	25 13	1 46	24 12	0 58	22 42	1 8	0 20	0 10	4 1	1 24	22 14	0 7	22 43	0 30	21 14	1 22	9 58	17 4	22 42	22 32	25 26	3 21	3 14	
S 3	22 27	25 0	2 59	24 11	1 6	22 30	1 9	0 5	0 9	4 1	1 24	22 13	0 7	22 43	0 30	21 15	1 22	9 57	17 4	22 42	22 31	25 27	3 21	3 14	
M 4	22 20	22 56	4 0	24 7	1 14	22 18	1 11	0s 9	0 8	4 1	1 24	22 12	0 7	22 44	0 30	21 15	1 22	9 56	17 3	22 42	22 31	25 27	3 21	3 15	
T 5	22 12	19 19	4 43	24 0	1 21	22 6	1 12	0 24	0 7	4 1	1 25	22 11	0 7	22 44	0 30	21 15	1 22	9 56	17 3	22 41	22 31	25 27	3 21	3 15	
W 6	22 4	14 35	5 7	23 50	1 27	21 52	1 14	0 39	0 6	4 1	1 25	22 10	0 7	22 45	0 30	21 15	1 23	9 55	17 2	22 41	22 30	25 28	3 21	3 15	
T 7	21 55	9 11	5 11	23 38	1 32	21 38	1 15	0 54	0 5	4 2	1 25	22 9	0 7	22 45	0 30	21 16	1 23	9 54	17 2	22 40	22 30	25 28	3 21	3 15	
F 8	21 46	3 31	4 57	23 23	1 36	21 24	1 16	1 8	0 4	4 2	1 26	22 8	0 7	22 45	0 30	21 16	1 23	9 53	17 1	22 40	22 29	25 28	3 21	3 15	
S 9	21 37	2s 8	4 27	23 5	1 40	21 9	1 17	1 23	0 3	4 2	1 26	22 7	0 7	22 46	0 30	21 16	1 23	9 52	17 0	22 40	22 29	25 28	3 21	3 15	
S 10	21 27	7 31	3 45	22 46	1 43	20 53	1 18	1 38	0 2	4 3	1 26	22 6	0 8	22 46	0 30	21 16	1 23	9 52	17 0	22 40	22 29	25 29	3 20	3 15	
M11	21 17	12 28	2 53	22 24	1 45	20 37	1 19	1 53	0 1	4 4	1 27	22 4	0 8	22 46	0 30	21 16	1 23	9 51	16 59	22 40	22 28	25 29	3 20	3 15	
T 12	21 7	16 49	1 54	21 59	1 47	20 20	1 20	2 8	0s 0	4 4	1 27	22 3	0 8	22 47	0 30	21 16	1 23	9 50	16 59	22 40	22 28	25 29	3 20	3 15	
W13	20 56	20 25	0 52	21 33	1 47	20 2	1 21	2 23	0 1	4 5	1 27	22 2	0 8	22 47	0 30	21 17	1 23	9 49	16 58	22 40	22 27	25 29	3 20	3 16	
T 14	20 45	23 7	0s13	21 5	1 47	19 44	1 22	2 38	0 2	4 6	1 28	22 1	0 8	22 47	0 30	21 17	1 23	9 48	16 58	22 40	22 27	25 30	3 20	3 16	
F 15	20 33	24 48	1 16	20 36	1 47	19 26	1 23	2 53	0 3	4 7	1 28	22 0	0 8	22 47	0 30	21 17	1 23	9 48	16 57	22 40	22 27	25 30	3 19	3 16	
S 16	20 22	25 21	2 16	20 5	1 46	19 6	1 24	3 9	0 4	4 8	1 28	21 59	0 8	22 48	0 30	21 17	1 23	9 47	16 56	22 40	22 26	25 30	3 19	3 16	
S 17	20 9	24 46	3 10	19 32	1 44	18 47	1 24	3 24	0 5	4 9	1 28	21 58	0 8	22 48	0 30	21 17	1 23	9 46	16 56	22 39	22 26	25 30	3 19	3 16	
M18	19 57	23 2	3 56	18 59	1 42	18 26	1 25	3 39	0 6	4 10	1 29	21 57	0 8	22 48	0 30	21 18	1 23	9 45	16 55	22 38	22 25	25 31	3 18	3 16	
T 19	19 44	20 16	4 32	18 24	1 39	18 6	1 26	3 54	0 7	4 11	1 29	21 56	0 8	22 49	0 30	21 18	1 23	9 44	16 55	22 37	22 25	25 31	3 18	3 16	
W20	19 31	16 36	4 56	17 48	1 36	17 44	1 26	4 9	0 8	4 12	1 29	21 54	0 8	22 49	0 30	21 18	1 23	9 43	16 54	22 36	22 25	25 31	3 18	3 16	
T 21	19 17	12 12	5 6	17 11	1 32	17 23	1 27	4 25	0 9	4 14	1 30	21 53	0 9	22 49	0 30	21 18	1 23	9 42	16 54	22 35	22 24	25 31	3 17	3 16	
F 22	19 3	7 14	5 3	16 33	1 27	17 0	1 27	4 40	0 10	4 15	1 30	21 52	0 9	22 50	0 30	21 18	1 23	9 41	16 53	22 34	22 24	25 31	3 17	3 16	
S 23	18 49	1 54	4 44	15 55	1 23	16 38	1 27	4 55	0 11	4 17	1 30	21 51	0 9	22 50	0 30	21 18	1 23	9 40	16 53	22 34	22 23	25 32	3 16	3 17	
S 24	18 35	3n38	4 11	15 16	1 18	16 14	1 28	5 10	0 12	4 18	1 30	21 50	0 9	22 50	0 30	21 18	1 23	9 40	16 52	22 33	22 23	25 32	3 16	3 17	
M25	18 20	9 8	3 24	14 36	1 12	15 51	1 28	5 26	0 13	4 20	1 31	21 49	0 9	22 51	0 30	21 19	1 23	9 39	16 52	22 33	22 23	25 32	3 16	3 17	
T 26	18 5	14 21	2 24	13 56	1 6	15 27	1 28	5 41	0 13	4 22	1 31	21 48	0 9	22 51	0 30	21 19	1 23	9 38	16 51	22 33	22 22	25 32	3 15	3 17	
W27	17 50	18 58	1 15	13 16	1 0	15 2	1 28	5 56	0 14	4 23	1 31	21 46	0 9	22 51	0 30	21 19	1 23	9 37	16 51	22 33	22 22	25 32	3 14	3 17	
T 28	17 34	22 36	0n 1	12 35	0 54	14 38	1 28	6 12	0 15	4 25	1 32	21 45	0 9	22 51	0 30	21 19	1 23	9 36	16 50	22 33	22 21	25 32	3 14	3 17	
F 29	17 18	24 50	1 18	11 55	0 47	14 12	1 28	6 27	0 16	4 27	1 32	21 44	0 9	22 52	0 30	21 19	1 23	9 35	16 50	22 33	22 21	25 33	3 13	3 17	
S 30	17 2	25 22	2 32	11 13	0 40	13 47	1 28	6 42	0 17	4 29	1 32	21 43	0 9	22 52	0 30	21 19	1 23	9 34	16 49	22 33	22 20	25 33	3 13	3 17	
S 31	16n45	24n 4	3n35	10n32	0n33	13n21	1n27	6s58	0s18	4s31	1s32	21n42	0n 9	22s52	0s30	21n19	1s23	9n33	16n49	22n32	22n20	25s33	3n12	3n17	

Julian Day Number = 2173783.5, Delta T = 12m05s
Ecliptic obliquity = 23°32'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'06, Lahiri = 13°15'07 Julian Calendar 1 July 1239 == Greg. Calendar 8 July 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

AUGUST 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 4 36	14♌45'38	13♌32	5♍42	29♌55	17♎36	22°R 7	23♋17	17°R37	15♊ 6	15♎ 4	13°R31	12♊ 2	12♉30	0°R27	M 1
T 2	21 8 32	15°43'25	28°27	7°13	1♍ 9	18°14	22♓ 2	23°25	17♉35	15° 7	15° 6	13♊22	11°59	12°37	0♈25	T 2
W 3	21 12 29	16°41'13	13♍ 5	8°43	2°23	18°52	21°57	23°32	17°33	15° 8	15° 7	13°12	11°56	12°43	0°24	W 3
T 4	21 16 25	17°39'02	27°19	10°12	3°37	19°30	21°52	23°40	17°31	15°10	15° 9	13° 4	11°53	12°50	0°22	T 4
F 5	21 20 22	18°36'53	11♎ 6	11°39	4°51	20° 9	21°46	23°47	17°29	15°11	15°10	12°56	11°49	12°57	0°20	F 5
S 6	21 24 18	19°34'45	24°24	13° 5	6° 5	20°47	21°41	23°54	17°27	15°12	15°12	12°51	11°46	13° 3	0°18	S 6
S 7	21 28 15	20°32'38	7♏15	14°29	7°19	21°26	21°35	24° 1	17°25	15°13	15°13	12°49	11°43	13°10	0°16	S 7
M 8	21 32 12	21°30'33	19°43	15°52	8°33	22° 4	21°29	24° 9	17°23	15°14	15°15	12°D48	11°40	13°17	0°14	M 8
T 9	21 36 8	22°28'29	1♐54	17°13	9°47	22°43	21°23	24°16	17°22	15°15	15°17	12°48	11°37	13°23	0°12	T 9
W10	21 40 5	23°26'26	13°51	18°32	11° 1	23°22	21°17	24°23	17°20	15°17	15°18	12°R48	11°33	13°30	0°10	W10
T 11	21 44 1	24°24'25	25°42	19°50	12°15	24° 1	21°11	24°30	17°18	15°18	15°20	12°48	11°30	13°37	0° 8	T 11
F 12	21 47 58	25°22'25	7♑30	21° 6	13°29	24°40	21° 5	24°37	17°16	15°19	15°22	12°45	11°27	13°43	0° 6	F 12
S 13	21 51 54	26°20'27	19°19	22°20	14°43	25°19	20°58	24°44	17°15	15°20	15°23	12°40	11°24	13°50	0° 4	S 13
S 14	21 55 51	27°18'30	1♒14	23°33	15°56	25°59	20°51	24°51	17°13	15°21	15°25	12°32	11°21	13°57	0° 1	S 14
M15	21 59 47	28°16'35	13°17	24°43	17°10	26°38	20°45	24°58	17°11	15°21	15°27	12°22	11°18	14° 3	29♓59	M15
T 16	22 3 44	29°14'41	25°29	25°51	18°24	27°18	20°38	25° 5	17°10	15°22	15°29	12° 9	11°14	14°10	29°57	T 16
W17	22 7 41	0♍12'49	7♓52	26°58	19°38	27°57	20°31	25°12	17° 8	15°23	15°31	11°56	11°11	14°17	29°55	W17
T 18	22 11 37	1°10'59	20°26	28° 2	20°52	28°37	20°24	25°19	17° 7	15°24	15°33	11°43	11° 8	14°23	29°52	T 18
F 19	22 15 34	2° 9'10	3♈11	29° 3	22° 6	29°17	20°17	25°25	17° 5	15°25	15°34	11°32	11° 5	14°30	29°50	F 19
S 20	22 19 30	3° 7'24	16° 8	0♎ 2	23°20	29°57	20° 9	25°32	17° 4	15°26	15°36	11°23	11° 2	14°37	29°47	S 20
S 21	22 23 27	4° 5'39	29°16	0°59	24°34	0♏37	20° 2	25°39	17° 2	15°26	15°38	11°16	10°59	14°43	29°45	S 21
M22	22 27 23	5° 3'57	12♉36	1°53	25°48	1°17	19°54	25°45	17° 1	15°27	15°40	11°13	10°55	14°50	29°43	M22
T 23	22 31 20	6° 2'17	26°10	2°43	27° 2	1°57	19°47	25°52	17° 0	15°28	15°42	11°12	10°52	14°57	29°40	T 23
W24	22 35 16	7° 0'39	9♊58	3°31	28°16	2°37	19°39	25°59	16°58	15°28	15°44	11°11	10°49	15° 3	29°38	W24
T 25	22 39 13	7°59'04	24° 2	4°15	29°29	3°18	19°32	26° 5	16°57	15°29	15°46	11°11	10°46	15°10	29°35	T 25
F 26	22 43 10	8°57'30	8♋20	4°55	0♎43	3°58	19°24	26°11	16°56	15°30	15°48	11°10	10°43	15°17	29°33	F 26
S 27	22 47 6	9°55'59	22°52	5°31	1°57	4°39	19°16	26°18	16°55	15°30	15°50	11° 6	10°39	15°24	29°30	S 27
S 28	22 51 3	10°54'30	7♌32	6° 3	3°11	5°20	19° 8	26°24	16°54	15°31	15°52	10°59	10°36	15°30	29°27	S 28
M29	22 54 59	11°53'03	22°16	6°31	4°25	6° 1	19° 0	26°30	16°53	15°31	15°54	10°49	10°33	15°37	29°25	M29
T 30	22 58 56	12°51'38	6♍54	6°53	5°39	6°41	18°53	26°37	16°52	15°32	15°56	10°38	10°30	15°44	29°22	T 30
W31	23 2 52	13♍50'15	21♍20	7♎10	6♎53	7♏22	18♓45	26♋43	16♉51	15♊32	15♎58	10♊26	10♊27	15♉50	29♓20	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n28	21n 2	4n24	9n51	0n25	12n54	1n27	7s13	0s19	4s33	1s33	21n41	0n10	22s53	0s30	21n19	1s23	9n32	16n48	22n31	22n20	25s33	3n12	3n17
T 2	16 11	16 39	4 54	9 10	0 17	12 28	1 27	7 29	0 19	4 36	1 33	21 39	0 10	22 53	0 30	21 20	1 23	9 31	16 48	22 30	22 19	25 33	3 11	3 17
W 3	15 54	11 20	5 4	8 29	0 9	12 1	1 26	7 44	0 20	4 38	1 33	21 38	0 10	22 53	0 30	21 20	1 23	9 30	16 47	22 29	22 19	25 33	3 10	3 17
T 4	15 36	5 34	4 55	7 48	0 1	11 33	1 26	7 59	0 21	4 40	1 33	21 37	0 10	22 53	0 30	21 20	1 23	9 29	16 47	22 28	22 18	25 33	3 10	3 17
F 5	15 19	0s18	4 28	7 7	0s 7	11 6	1 25	8 15	0 22	4 42	1 34	21 36	0 10	22 54	0 30	21 20	1 23	9 28	16 46	22 27	22 18	25 33	3 9	3 17
S 6	15 0	5 57	3 48	6 26	0 16	10 38	1 25	8 30	0 23	4 45	1 34	21 35	0 10	22 54	0 30	21 20	1 23	9 27	16 46	22 26	22 18	25 34	3 8	3 18
S 7	14 42	11 11	2 58	5 46	0 24	10 9	1 24	8 45	0 24	4 47	1 34	21 34	0 10	22 54	0 30	21 20	1 23	9 26	16 45	22 26	22 17	25 34	3 8	3 18
M 8	14 24	15 49	2 0	5 6	0 33	9 41	1 23	9 0	0 24	4 50	1 34	21 32	0 10	22 54	0 30	21 20	1 23	9 25	16 45	22 26	22 17	25 34	3 7	3 18
T 9	14 5	19 41	0 58	4 26	0 42	9 12	1 22	9 16	0 25	4 52	1 35	21 31	0 10	22 54	0 30	21 20	1 23	9 24	16 44	22 26	22 16	25 34	3 6	3 18
W10	13 46	22 39	0s 6	3 47	0 51	8 43	1 21	9 31	0 26	4 55	1 35	21 30	0 10	22 55	0 30	21 20	1 23	9 23	16 44	22 26	22 16	25 34	3 5	3 18
T 11	13 26	24 36	1 8	3 8	1 0	8 14	1 20	9 46	0 27	4 58	1 35	21 29	0 10	22 55	0 30	21 20	1 24	9 22	16 43	22 26	22 15	25 34	3 4	3 18
F 12	13 7	25 27	2 7	2 29	1 9	7 45	1 19	10 1	0 27	5 0	1 35	21 28	0 11	22 55	0 30	21 20	1 24	9 21	16 43	22 25	22 15	25 34	3 4	3 18
S 13	12 47	25 7	3 1	1 52	1 18	7 15	1 18	10 16	0 28	5 3	1 35	21 27	0 11	22 55	0 30	21 21	1 24	9 20	16 43	22 25	22 14	25 34	3 3	3 18
S 14	12 27	23 39	3 47	1 15	1 27	6 45	1 17	10 31	0 29	5 6	1 36	21 25	0 11	22 56	0 30	21 21	1 24	9 19	16 42	22 24	22 14	25 34	3 2	3 18
M15	12 7	21 6	4 23	0 38	1 36	6 15	1 16	10 47	0 30	5 9	1 36	21 24	0 11	22 56	0 30	21 21	1 24	9 18	16 42	22 22	22 14	25 34	3 1	3 18
T 16	11 47	17 36	4 48	0 3	1 45	5 45	1 15	11 2	0 30	5 12	1 36	21 23	0 11	22 56	0 30	21 21	1 24	9 16	16 41	22 21	22 13	25 34	3 0	3 18
W17	11 27	13 17	5 0	0s32	1 54	5 14	1 13	11 17	0 31	5 15	1 36	21 22	0 11	22 56	0 30	21 21	1 24	9 15	16 41	22 19	22 13	25 34	2 59	3 18
T 18	11 6	8 21	4 57	1 6	2 4	4 44	1 12	11 31	0 32	5 18	1 36	21 21	0 11	22 56	0 30	21 21	1 24	9 14	16 41	22 17	22 12	25 34	2 58	3 18
F 19	10 45	3 0	4 40	1 39	2 13	4 13	1 10	11 46	0 33	5 21	1 36	21 20	0 11	22 56	0 30	21 21	1 24	9 13	16 40	22 16	22 12	25 34	2 58	3 18
S 20	10 24	2n34	4 8	2 11	2 21	3 43	1 9	12 1	0 33	5 24	1 37	21 19	0 11	22 57	0 30	21 21	1 24	9 12	16 40	22 14	22 11	25 34	2 57	3 18
S 21	10 3	8 6	3 22	2 41	2 30	3 12	1 7	12 16	0 34	5 27	1 37	21 17	0 11	22 57	0 30	21 21	1 24	9 11	16 39	22 13	22 11	25 34	2 56	3 18
M22	9 42	13 23	2 25	3 11	2 39	2 41	1 6	12 31	0 35	5 30	1 37	21 16	0 12	22 57	0 30	21 21	1 24	9 10	16 39	22 13	22 11	25 34	2 55	3 18
T 23	9 20	18 6	1 19	3 39	2 47	2 10	1 4	12 45	0 35	5 33	1 37	21 15	0 12	22 57	0 30	21 21	1 24	9 9	16 39	22 13	22 10	25 34	2 54	3 18
W24	8 58	21 56	0 6	4 5	2 56	1 39	1 2	13 0	0 36	5 36	1 37	21 14	0 12	22 57	0 30	21 21	1 24	9 8	16 38	22 13	22 10	25 34	2 53	3 18
T 25	8 37	24 31	1n 7	4 30	3 3	1 7	1 0	13 15	0 37	5 39	1 37	21 13	0 12	22 57	0 30	21 21	1 24	9 7	16 38	22 13	22 9	25 34	2 52	3 18
F 26	8 15	25 34	2 18	4 53	3 11	0 36	0 58	13 29	0 38	5 42	1 37	21 12	0 12	22 58	0 30	21 21	1 24	9 6	16 38	22 12	22 9	25 34	2 51	3 18
S 27	7 53	24 54	3 21	5 14	3 18	0 5	0 56	13 43	0 38	5 45	1 37	21 11	0 12	22 58	0 30	21 21	1 24	9 5	16 37	22 12	22 8	25 34	2 50	3 18
S 28	7 30	22 30	4 11	5 33	3 25	0s26	0 54	13 58	0 39	5 49	1 37	21 10	0 12	22 58	0 30	21 21	1 24	9 4	16 37	22 11	22 8	25 34	2 49	3 18
M29	7 8	18 38	4 45	5 50	3 32	0 58	0 52	14 12	0 40	5 52	1 38	21 8	0 12	22 58	0 30	21 21	1 24	9 3	16 37	22 10	22 7	25 34	2 48	3 18
T 30	6 46	13 39	5 0	6 4	3 37	1 29	0 50	14 26	0 40	5 55	1 38	21 7	0 12	22 58	0 30	21 21	1 24	9 2	16 36	22 8	22 7	25 34	2 47	3 18
W31	6n23	7n58	4n55	6s16	3s42	2s 0	0n48	14s40	0s41	5s58	1s38	21n 6	0n13	22s58	0s30	21n21	1s24	9n 1	16n36	22n 6	22n 6	25s34	2n45	3n18

Julian Day Number = 2173814.5, Delta T = 12m05s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'11, Lahiri = 13°15'11 Julian Calendar 1 Aug. 1239 == Greg. Calendar 8 Aug. 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

SEPTEMBER 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 49	14♍48'53	5♎27	7♎22	8♎ 7	8♏ 4	18°R37	26♋49	16°R50	15♊32	16♎ 1	10°R15	10♊24	15♉57	29°R17	T 1
F 2	23 10 45	15°47'34	19°11	7°R27	9°20	8°45	18♓29	26°55	16♉49	15°33	16° 3	10♊ 6	10°20	16° 4	29♓14	F 2
S 3	23 14 42	16°46'17	2♏28	7°26	10°34	9°26	18°21	27° 1	16°48	15°33	16° 5	9°59	10°17	16°10	29°12	S 3
S 4	23 18 39	17°45'01	15°20	7°19	11°48	10° 7	18°12	27° 7	16°47	15°33	16° 7	9°54	10°14	16°17	29° 9	S 4
M 5	23 22 35	18°43'47	27°50	7° 4	13° 2	10°49	18° 4	27°12	16°47	15°34	16° 9	9°52	10°11	16°24	29° 6	M 5
T 6	23 26 32	19°42'35	10♐ 2	6°42	14°16	11°30	17°56	27°18	16°46	15°34	16°11	9°D52	10° 8	16°30	29° 3	T 6
W 7	23 30 28	20°41'25	22° 1	6°13	15°29	12°12	17°48	27°24	16°45	15°34	16°14	9°R52	10° 5	16°37	29° 1	W 7
T 8	23 34 25	21°40'16	3♑52	5°36	16°43	12°54	17°40	27°30	16°45	15°34	16°16	9°51	10° 1	16°44	28°58	T 8
F 9	23 38 21	22°39'10	15°41	4°52	17°57	13°36	17°32	27°35	16°44	15°34	16°18	9°49	9°58	16°50	28°55	F 9
S 10	23 42 18	23°38'05	27°33	4° 2	19°11	14°18	17°25	27°41	16°44	15°34	16°20	9°45	9°55	16°57	28°52	S 10
S 11	23 46 14	24°37'02	9♒32	3° 6	20°24	15° 0	17°17	27°46	16°43	15°34	16°23	9°37	9°52	17° 4	28°50	S 11
M12	23 50 11	25°36'01	21°41	2° 4	21°38	15°42	17° 9	27°51	16°43	15°R34	16°25	9°28	9°49	17°10	28°47	M12
T 13	23 54 8	26°35'01	4♓ 4	0°58	22°52	16°24	17° 1	27°57	16°42	15°34	16°27	9°16	9°45	17°17	28°44	T 13
W14	23 58 4	27°34'04	16°42	29♍50	24° 6	17° 6	16°53	28° 2	16°42	15°34	16°30	9° 4	9°42	17°24	28°41	W14
T 15	0 2 1	28°33'08	29°34	28°41	25°19	17°48	16°46	28° 7	16°42	15°34	16°32	8°51	9°39	17°30	28°39	T 15
F 16	0 5 57	29°32'15	12♈40	27°33	26°33	18°31	16°38	28°12	16°42	15°34	16°34	8°40	9°36	17°37	28°36	F 16
S 17	0 9 54	0♎31'24	25°58	26°27	27°47	19°13	16°30	28°17	16°41	15°34	16°37	8°32	9°33	17°44	28°33	S 17
S 18	0 13 50	1°30'35	9♉27	25°27	29° 0	19°56	16°23	28°22	16°41	15°34	16°39	8°26	9°30	17°50	28°30	S 18
M19	0 17 47	2°29'48	23° 5	24°32	0♏14	20°39	16°15	28°26	16°D41	15°33	16°41	8°23	9°26	17°57	28°27	M19
T 20	0 21 43	3°29'04	6♊52	23°46	1°27	21°21	16° 8	28°31	16°41	15°33	16°44	8°D22	9°23	18° 4	28°25	T 20
W21	0 25 40	4°28'22	20°46	23° 8	2°41	22° 4	16° 1	28°36	16°41	15°33	16°46	8°22	9°20	18°10	28°22	W21
T 22	0 29 36	5°27'42	4♋48	22°41	3°55	22°47	15°54	28°40	16°41	15°33	16°48	8°R22	9°17	18°17	28°19	T 22
F 23	0 33 33	6°27'05	18°56	22°24	5° 8	23°30	15°47	28°45	16°42	15°32	16°51	8°22	9°14	18°24	28°16	F 23
S 24	0 37 30	7°26'31	3♌11	22°D18	6°22	24°13	15°40	28°49	16°42	15°32	16°53	8°19	9°10	18°30	28°14	S 24
S 25	0 41 26	8°25'58	17°28	22°23	7°35	24°56	15°33	28°53	16°42	15°31	16°55	8°14	9° 7	18°37	28°11	S 25
M26	0 45 23	9°25'28	1♍45	22°38	8°49	25°39	15°26	28°58	16°42	15°31	16°58	8° 7	9° 4	18°44	28° 8	M26
T 27	0 49 19	10°25'00	15°57	23° 4	10° 2	26°23	15°20	29° 2	16°43	15°30	17° 0	7°58	9° 1	18°50	28° 5	T 27
W28	0 53 16	11°24'35	29°59	23°39	11°16	27° 6	15°13	29° 6	16°43	15°30	17° 3	7°48	8°58	18°57	28° 3	W28
T 29	0 57 12	12°24'11	13♎47	24°24	12°29	27°50	15° 7	29°10	16°44	15°29	17° 5	7°39	8°55	19° 4	28° 0	T 29
F 30	1 1 9	13♎23'49	27♎16	25♍16	13♏43	28♏33	15♓ 1	29♋13	16♉44	15♊29	17♎ 8	7♊31	8♊51	19♉10	27♓57	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 0	1n59	4n32	6s24	3s47	2s32	0n46	14s54	0s41	6s 1	1s38	21n 5	0n13	22s58	0s30	21n21	1s24	9n 0	16n36	22n 5	22n 6	25s33	2n44	3n18
F 2	5 38	3s56	3 54	6 30	3 50	3 3	0 44	15 8	0 42	6 5	1 38	21 4	0 13	22 58	0 30	21 21	1 24	8 58	16 35	22 3	22 6	25 33	2 43	3 18
S 3	5 15	9 30	3 4	6 31	3 53	3 34	0 41	15 22	0 43	6 8	1 38	21 3	0 13	22 58	0 30	21 21	1 24	8 57	16 35	22 2	22 5	25 33	2 42	3 18
S 4	4 52	14 30	2 6	6 30	3 54	4 5	0 39	15 36	0 43	6 11	1 38	21 2	0 13	22 59	0 30	21 21	1 24	8 56	16 35	22 2	22 5	25 33	2 41	3 18
M 5	4 29	18 44	1 3	6 24	3 55	4 36	0 37	15 50	0 44	6 14	1 38	21 1	0 13	22 59	0 30	21 21	1 25	8 55	16 35	22 1	22 4	25 33	2 40	3 18
T 6	4 5	22 4	0s 1	6 14	3 53	5 7	0 34	16 3	0 45	6 17	1 38	21 0	0 13	22 59	0 30	21 21	1 25	8 54	16 34	22 1	22 4	25 33	2 39	3 18
W 7	3 42	24 22	1 4	6 0	3 51	5 38	0 32	16 17	0 45	6 20	1 38	20 59	0 13	22 59	0 30	21 21	1 25	8 53	16 34	22 1	22 3	25 33	2 38	3 18
T 8	3 19	25 33	2 4	5 42	3 46	6 9	0 29	16 30	0 46	6 24	1 38	20 58	0 13	22 59	0 30	21 21	1 25	8 52	16 34	22 1	22 3	25 33	2 37	3 18
F 9	2 56	25 33	2 58	5 19	3 40	6 39	0 27	16 43	0 46	6 27	1 38	20 57	0 13	22 59	0 30	21 21	1 25	8 51	16 34	22 1	22 2	25 32	2 35	3 18
S 10	2 32	24 24	3 44	4 51	3 32	7 10	0 24	16 57	0 47	6 30	1 38	20 56	0 14	22 59	0 30	21 21	1 25	8 50	16 33	22 0	22 2	25 32	2 34	3 18
S 11	2 9	22 8	4 21	4 20	3 22	7 40	0 22	17 10	0 48	6 33	1 38	20 55	0 14	22 59	0 30	21 21	1 25	8 49	16 33	21 59	22 1	25 32	2 33	3 18
M12	1 45	18 52	4 47	3 44	3 10	8 10	0 19	17 22	0 48	6 36	1 38	20 54	0 14	22 59	0 30	21 21	1 25	8 48	16 33	21 58	22 1	25 32	2 32	3 18
T 13	1 22	14 42	5 0	3 5	2 57	8 40	0 16	17 35	0 49	6 39	1 38	20 53	0 14	22 59	0 30	21 21	1 25	8 47	16 33	21 56	22 0	25 32	2 31	3 18
W14	0 58	9 51	4 59	2 24	2 41	9 10	0 14	17 48	0 49	6 42	1 38	20 52	0 14	22 59	0 30	21 21	1 25	8 46	16 33	21 54	22 0	25 32	2 30	3 18
T 15	0 35	4 29	4 42	1 41	2 24	9 40	0 11	18 0	0 50	6 45	1 38	20 51	0 14	22 59	0 30	21 21	1 25	8 45	16 32	21 52	21 59	25 31	2 28	3 17
F 16	0 11	1n10	4 11	0 56	2 6	10 9	0 8	18 13	0 50	6 48	1 38	20 50	0 14	22 59	0 30	21 21	1 25	8 44	16 32	21 50	21 59	25 31	2 27	3 17
S 17	0s13	6 53	3 25	0 13	1 46	10 39	0 5	18 25	0 51	6 51	1 38	20 50	0 14	22 59	0 30	21 21	1 25	8 43	16 32	21 49	21 58	25 31	2 26	3 17
S 18	0 36	12 22	2 27	0n30	1 26	11 8	0 3	18 37	0 51	6 54	1 38	20 49	0 15	22 59	0 30	21 21	1 25	8 42	16 32	21 48	21 58	25 31	2 25	3 17
M19	1 0	17 19	1 20	1 11	1 6	11 36	0s 0	18 49	0 52	6 57	1 38	20 48	0 15	22 59	0 30	21 21	1 25	8 41	16 32	21 48	21 58	25 31	2 24	3 17
T 20	1 23	21 25	0 8	1 48	0 45	12 5	0 3	19 1	0 52	6 59	1 38	20 47	0 15	22 59	0 30	21 21	1 25	8 40	16 32	21 47	21 57	25 30	2 23	3 17
W21	1 47	24 19	1n 6	2 21	0 25	12 33	0 6	19 13	0 53	7 2	1 37	20 46	0 15	22 59	0 30	21 20	1 25	8 39	16 32	21 48	21 57	25 30	2 21	3 17
T 22	2 11	25 43	2 16	2 50	0 6	13 1	0 9	19 24	0 53	7 5	1 37	20 45	0 15	22 59	0 30	21 20	1 25	8 38	16 31	21 48	21 56	25 30	2 20	3 17
F 23	2 34	25 28	3 19	3 13	0n12	13 28	0 12	19 36	0 54	7 7	1 37	20 45	0 15	22 59	0 30	21 20	1 25	8 37	16 31	21 48	21 56	25 30	2 19	3 17
S 24	2 58	23 34	4 10	3 31	0 29	13 56	0 15	19 47	0 54	7 10	1 37	20 44	0 15	22 59	0 30	21 20	1 25	8 36	16 31	21 47	21 55	25 29	2 18	3 17
S 25	3 21	20 11	4 45	3 44	0 45	14 23	0 18	19 58	0 55	7 13	1 37	20 43	0 15	22 59	0 30	21 20	1 25	8 35	16 31	21 46	21 55	25 29	2 17	3 17
M26	3 45	15 36	5 3	3 51	0 59	14 49	0 21	20 9	0 55	7 15	1 37	20 42	0 15	22 59	0 30	21 20	1 25	8 34	16 31	21 45	21 54	25 29	2 16	3 17
T 27	4 8	10 11	5 2	3 52	1 12	15 15	0 23	20 20	0 56	7 17	1 37	20 42	0 16	22 59	0 30	21 20	1 25	8 33	16 31	21 44	21 54	25 29	2 14	3 16
W28	4 32	4 19	4 42	3 48	1 23	15 41	0 26	20 30	0 56	7 20	1 37	20 41	0 16	22 59	0 30	21 20	1 25	8 32	16 31	21 42	21 53	25 28	2 13	3 16
T 29	4 55	1s40	4 7	3 40	1 33	16 7	0 29	20 41	0 57	7 22	1 37	20 40	0 16	22 59	0 30	21 20	1 25	8 31	16 31	21 41	21 53	25 28	2 12	3 16
F 30	5s19	7s28	3n18	3n26	1n41	16s32	0s32	20s51	0s57	7s24	1s36	20n39	0n16	22s58	0s30	21n20	1s25	8n30	16n31	21n39	21n52	25s28	2n11	3n16

Julian Day Number = 2173845.5, Delta T = 12m04s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'15, Lahiri = 13°15'15 Julian Calendar 1 Sept. 1239 == Greg. Calendar 8 Sept. 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

OCTOBER 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 5	14♎23'30	10♏25	26♍16	14♏56	29♏17	14°R55	29♋17	16♉45	15°R28	17♎10	7°R25	8♊48	19♉17	27°R55	S 1
S 2	1 9 2	15°23'12	23°12	27°22	16°10	0♐ 1	14♓49	29°21	16°45	15♊28	17°12	7♊22	8°45	19°24	27♓52	S 2
M 3	1 12 59	16°22'56	5♐40	28°33	17°23	0°44	14°43	29°24	16°46	15°27	17°15	7°D21	8°42	19°30	27°50	M 3
T 4	1 16 55	17°22'43	17°52	29°50	18°37	1°28	14°38	29°28	16°47	15°26	17°17	7°21	8°39	19°37	27°47	T 4
W 5	1 20 52	18°22'30	29°51	1♎11	19°50	2°12	14°32	29°31	16°47	15°25	17°20	7°23	8°36	19°44	27°44	W 5
T 6	1 24 48	19°22'20	11♉43	2°36	21° 3	2°56	14°27	29°34	16°48	15°25	17°22	7°24	8°32	19°50	27°42	T 6
F 7	1 28 45	20°22'12	23°33	4° 3	22°17	3°40	14°22	29°38	16°49	15°24	17°24	7°R24	8°29	19°57	27°39	F 7
S 8	1 32 41	21°22'05	5♒26	5°34	23°30	4°24	14°17	29°41	16°50	15°23	17°27	7°23	8°26	20° 4	27°37	S 8
S 9	1 36 38	22°21'59	17°27	7° 6	24°44	5° 9	14°12	29°44	16°51	15°22	17°29	7°20	8°23	20°11	27°34	S 9
M10	1 40 34	23°21'56	29°40	8°40	25°57	5°53	14° 8	29°47	16°52	15°21	17°32	7°15	8°20	20°17	27°32	M10
T 11	1 44 31	24°21'54	12♓ 9	10°15	27°10	6°37	14° 3	29°49	16°53	15°20	17°34	7° 8	8°16	20°24	27°30	T 11
W12	1 48 28	25°21'54	24°56	11°51	28°23	7°22	13°59	29°52	16°54	15°19	17°36	7° 1	8°13	20°31	27°27	W12
T 13	1 52 24	26°21'55	8♈ 2	13°28	29°37	8° 6	13°55	29°54	16°55	15°18	17°39	6°53	8°10	20°37	27°25	T 13
F 14	1 56 21	27°21'59	21°27	15° 6	0♐50	8°51	13°51	29°57	16°57	15°17	17°41	6°47	8° 7	20°44	27°22	F 14
S 15	2 0 17	28°22'04	5♉ 8	16°44	2° 3	9°35	13°47	29°59	16°58	15°16	17°44	6°42	8° 4	20°51	27°20	S 15
S 16	2 4 14	29°22'11	19° 3	18°22	3°16	10°20	13°44	0♌ 1	16°59	15°15	17°46	6°38	8° 1	20°57	27°18	S 16
M17	2 8 10	0♏22'21	3♊ 8	20° 1	4°29	11° 5	13°41	0° 4	17° 1	15°14	17°48	6°D37	7°57	21° 4	27°16	M17
T 18	2 12 7	1°22'32	17°19	21°39	5°42	11°49	13°38	0° 6	17° 2	15°13	17°51	6°38	7°54	21°11	27°13	T 18
W19	2 16 3	2°22'45	1♋33	23°18	6°55	12°34	13°35	0° 8	17° 3	15°12	17°53	6°39	7°51	21°17	27°11	W19
T 20	2 20 0	3°23'01	15°47	24°56	8° 8	13°19	13°32	0° 9	17° 5	15°11	17°56	6°40	7°48	21°24	27° 9	T 20
F 21	2 23 57	4°23'18	29°58	26°35	9°21	14° 4	13°30	0°11	17° 6	15°10	17°58	6°R41	7°45	21°31	27° 7	F 21
S 22	2 27 53	5°23'38	14♌ 5	28°13	10°34	14°49	13°27	0°13	17° 8	15° 9	18° 0	6°41	7°42	21°37	27° 5	S 22
S 23	2 31 50	6°24'00	28° 7	29°51	11°47	15°34	13°25	0°14	17°10	15° 7	18° 3	6°39	7°38	21°44	27° 3	S 23
M24	2 35 46	7°24'23	12♍ 1	1♏28	13° 0	16°19	13°23	0°16	17°11	15° 6	18° 5	6°36	7°35	21°51	27° 1	M24
T 25	2 39 43	8°24'49	25°47	3° 5	14°13	17° 5	13°22	0°17	17°13	15° 5	18° 7	6°32	7°32	21°57	26°59	T 25
W26	2 43 39	9°25'16	9♎21	4°43	15°26	17°50	13°20	0°18	17°15	15° 3	18° 9	6°28	7°29	22° 4	26°57	W26
T 27	2 47 36	10°25'45	22°42	6°19	16°39	18°35	13°19	0°19	17°17	15° 2	18°12	6°24	7°26	22°11	26°55	T 27
F 28	2 51 32	11°26'16	5♏48	7°56	17°52	19°21	13°18	0°20	17°19	15° 1	18°14	6°20	7°22	22°17	26°54	F 28
S 29	2 55 29	12°26'49	18°39	9°32	19° 5	20° 6	13°17	0°21	17°21	14°59	18°16	6°18	7°19	22°24	26°52	S 29
S 30	2 59 26	13°27'23	1♐15	11° 8	20°17	20°52	13°16	0°21	17°23	14°58	18°19	6°D17	7°16	22°31	26°50	S 30
M31	3 3 22	14♏27'59	13♐36	12♏44	21♐30	21♐37	13♓16	0♌22	17♉25	14♊57	18♎21	6♊17	7♊13	22♉38	26♓49	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s42	12s48	2n20	3n 9	1n48	16s57	0s35	21s 1	0s58	7s27	1s36	20n39	0n16	22s58	0s30	21n20	1s26	8n29	16n31	21n38	21n52	25s27	2n10	3n16
S 2	6 5	17 26	1 15	2 48	1 54	17 21	0 38	21 11	0 58	7 29	1 36	20 38	0 16	22 58	0 29	21 19	1 26	8 28	16 31	21 38	21 51	25 27	2 8	3 16
M 3	6 28	21 11	0 9	2 23	1 58	17 45	0 41	21 21	0 59	7 31	1 36	20 38	0 16	22 58	0 29	21 19	1 26	8 27	16 31	21 38	21 51	25 27	2 7	3 16
T 4	6 51	23 55	0s56	1 55	2 1	18 8	0 44	21 30	0 59	7 33	1 36	20 37	0 16	22 58	0 29	21 19	1 26	8 26	16 31	21 38	21 50	25 26	2 6	3 16
W 5	7 14	25 31	1 58	1 24	2 3	18 31	0 47	21 40	0 59	7 35	1 36	20 36	0 17	22 58	0 29	21 19	1 26	8 26	16 31	21 38	21 50	25 26	2 5	3 15
T 6	7 37	25 55	2 55	0 51	2 4	18 54	0 50	21 49	1 0	7 37	1 35	20 36	0 17	22 58	0 29	21 19	1 26	8 25	16 31	21 38	21 49	25 26	2 4	3 15
F 7	7 59	25 9	3 43	0 17	2 4	19 16	0 53	21 58	1 0	7 39	1 35	20 35	0 17	22 58	0 29	21 19	1 26	8 24	16 31	21 38	21 49	25 25	2 3	3 15
S 8	8 22	23 14	4 23	0s20	2 3	19 37	0 56	22 6	1 1	7 40	1 35	20 35	0 17	22 58	0 29	21 19	1 26	8 23	16 31	21 38	21 48	25 25	2 2	3 15
S 9	8 44	20 17	4 51	0 58	2 2	19 58	0 58	22 15	1 1	7 42	1 35	20 34	0 17	22 57	0 29	21 19	1 26	8 22	16 31	21 37	21 48	25 25	2 1	3 15
M10	9 7	16 25	5 6	1 37	2 0	20 19	1 1	22 23	1 1	7 43	1 35	20 34	0 17	22 57	0 29	21 19	1 26	8 21	16 31	21 37	21 47	25 24	1 59	3 15
T 11	9 29	11 46	5 8	2 17	1 57	20 39	1 4	22 31	1 2	7 45	1 34	20 33	0 17	22 57	0 29	21 18	1 26	8 20	16 31	21 35	21 47	25 24	1 58	3 15
W12	9 51	6 31	4 54	2 58	1 53	20 58	1 7	22 39	1 2	7 46	1 34	20 33	0 17	22 57	0 29	21 18	1 26	8 20	16 31	21 34	21 46	25 24	1 57	3 14
T 13	10 13	0 51	4 25	3 39	1 50	21 17	1 10	22 47	1 2	7 48	1 34	20 32	0 18	22 57	0 29	21 18	1 26	8 19	16 31	21 33	21 46	25 23	1 56	3 14
F 14	10 35	4n59	3 41	4 21	1 45	21 35	1 12	22 54	1 3	7 49	1 34	20 32	0 18	22 57	0 29	21 18	1 26	8 18	16 31	21 32	21 45	25 23	1 55	3 14
S 15	10 56	10 44	2 43	5 3	1 41	21 53	1 15	23 1	1 3	7 50	1 34	20 32	0 18	22 56	0 29	21 18	1 26	8 17	16 31	21 31	21 45	25 22	1 54	3 14
S 16	11 18	16 3	1 34	5 46	1 36	22 10	1 18	23 8	1 4	7 51	1 33	20 31	0 18	22 56	0 29	21 18	1 26	8 16	16 31	21 31	21 44	25 22	1 53	3 14
M17	11 39	20 34	0 19	6 28	1 30	22 27	1 20	23 15	1 4	7 53	1 33	20 31	0 18	22 56	0 29	21 18	1 26	8 16	16 31	21 30	21 44	25 22	1 52	3 14
T 18	12 0	23 54	0n58	7 10	1 25	22 42	1 23	23 22	1 4	7 53	1 33	20 31	0 18	22 56	0 29	21 17	1 26	8 15	16 32	21 30	21 43	25 21	1 51	3 13
W19	12 21	25 44	2 12	7 52	1 19	22 58	1 25	23 28	1 4	7 54	1 33	20 30	0 18	22 56	0 29	21 17	1 26	8 14	16 32	21 31	21 43	25 21	1 50	3 13
T 20	12 42	25 52	3 18	8 34	1 13	23 12	1 28	23 34	1 5	7 55	1 32	20 30	0 18	22 55	0 29	21 17	1 26	8 13	16 32	21 31	21 42	25 20	1 49	3 13
F 21	13 2	24 20	4 11	9 15	1 7	23 26	1 30	23 40	1 5	7 56	1 32	20 30	0 19	22 55	0 29	21 17	1 26	8 13	16 32	21 31	21 42	25 20	1 48	3 13
S 22	13 22	21 16	4 49	9 56	1 1	23 39	1 33	23 45	1 5	7 57	1 32	20 30	0 19	22 55	0 29	21 17	1 26	8 12	16 32	21 31	21 41	25 19	1 47	3 13
S 23	13 43	17 0	5 9	10 37	0 54	23 52	1 35	23 51	1 6	7 57	1 32	20 29	0 19	22 55	0 29	21 17	1 26	8 11	16 32	21 31	21 41	25 19	1 46	3 13
M24	14 2	11 52	5 11	11 17	0 48	24 4	1 38	23 56	1 6	7 58	1 31	20 29	0 19	22 55	0 29	21 16	1 26	8 10	16 32	21 30	21 40	25 18	1 45	3 12
T 25	14 22	6 12	4 56	11 57	0 41	24 15	1 40	24 0	1 6	7 58	1 31	20 29	0 19	22 54	0 29	21 16	1 26	8 10	16 33	21 29	21 39	25 18	1 44	3 12
W26	14 41	0 19	4 23	12 36	0 34	24 26	1 42	24 5	1 7	7 58	1 31	20 29	0 19	22 54	0 29	21 16	1 26	8 9	16 33	21 29	21 39	25 17	1 43	3 12
T 27	15 1	5s31	3 37	13 15	0 28	24 36	1 44	24 9	1 7	7 59	1 31	20 29	0 19	22 54	0 29	21 16	1 26	8 8	16 33	21 28	21 38	25 17	1 42	3 12
F 28	15 20	11 0	2 40	13 53	0 21	24 45	1 46	24 13	1 7	7 59	1 30	20 29	0 20	22 54	0 29	21 16	1 26	8 8	16 33	21 27	21 38	25 16	1 41	3 12
S 29	15 38	15 55	1 35	14 30	0 14	24 53	1 49	24 17	1 7	7 59	1 30	20 29	0 20	22 53	0 29	21 16	1 26	8 7	16 33	21 27	21 37	25 16	1 40	3 11
S 30	15 57	20 3	0 28	15 7	0 8	25 1	1 51	24 21	1 7	7 59	1 30	20 29	0 20	22 53	0 29	21 15	1 26	8 7	16 34	21 27	21 37	25 15	1 40	3 11
M31	16s15	23s12	0s40	15s43	0n 1	25s 8	1s52	24s24	1s 8	7s59	1s30	20n29	0n20	22s53	0s29	21n15	1s26	8n 6	16n34	21n27	21n36	25s15	1n39	3n11

Julian Day Number = 2173875.5, Delta T = 12m04s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'19, Lahiri = 13°15'20 Julian Calendar 1 Oct. 1239 == Greg. Calendar 8 Oct. 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

NOVEMBER 1239 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 19	15♏28'36	25♐44	14♏19	22♐43	22♐23	13°R16	0♌22	17♑27	14°R55	18♎23	6♊18	7♊10	22♑44	26°R47	T 1
W 2	3 11 15	16°29'14	7♑42	15°55	23°55	23° 9	13°D16	0°23	17°29	14♊54	18°25	6°19	7° 7	22°51	26♓45	W 2
T 3	3 15 12	17°29'54	19°34	17°30	25° 8	23°55	13♓16	0°23	17°31	14°52	18°27	6°21	7° 3	22°58	26°44	T 3
F 4	3 19 8	18°30'35	1♒24	19° 5	26°21	24°40	13°16	0°23	17°33	14°51	18°30	6°22	7° 0	23° 4	26°42	F 4
S 5	3 23 5	19°31'17	13°16	20°39	27°33	25°26	13°17	0°R23	17°35	14°49	18°32	6°23	6°57	23°11	26°41	S 5
S 6	3 27 1	20°32'00	25°15	22°14	28°46	26°12	13°18	0°23	17°38	14°48	18°34	6°R23	6°54	23°18	26°40	S 6
M 7	3 30 58	21°32'44	7♓27	23°48	29°58	26°58	13°19	0°23	17°40	14°46	18°36	6°23	6°51	23°24	26°38	M 7
T 8	3 34 55	22°33'30	19°55	25°22	1♑10	27°44	13°20	0°23	17°42	14°45	18°38	6°21	6°48	23°31	26°37	T 8
W 9	3 38 51	23°34'16	2♈43	26°56	2°23	28°30	13°21	0°22	17°45	14°43	18°40	6°20	6°44	23°38	26°36	W 9
T 10	3 42 48	24°35'03	15°54	28°30	3°35	29°16	13°23	0°22	17°47	14°42	18°42	6°18	6°41	23°44	26°35	T 10
F 11	3 46 44	25°35'52	29°28	0♗ 4	4°47	0♑ 2	13°25	0°21	17°49	14°40	18°44	6°16	6°38	23°51	26°33	F 11
S 12	3 50 41	26°36'41	13♉26	1°38	5°59	0°49	13°27	0°20	17°52	14°39	18°46	6°15	6°35	23°58	26°32	S 12
S 13	3 54 37	27°37'32	27°43	3°12	7°12	1°35	13°29	0°19	17°54	14°37	18°48	6°15	6°32	24° 4	26°31	S 13
M14	3 58 34	28°38'24	12♊14	4°45	8°24	2°21	13°31	0°18	17°57	14°35	18°50	6°D15	6°28	24°11	26°30	M14
T 15	4 2 30	29°39'17	26°54	6°19	9°36	3° 7	13°34	0°17	18° 0	14°34	18°52	6°15	6°25	24°18	26°30	T 15
W16	4 6 27	0♗40'12	11♋36	7°52	10°48	3°54	13°37	0°16	18° 2	14°32	18°54	6°16	6°22	24°25	26°29	W16
T 17	4 10 24	1°41'08	26°14	9°26	11°59	4°40	13°40	0°15	18° 5	14°30	18°56	6°16	6°19	24°31	26°28	T 17
F 18	4 14 20	2°42'05	10♌42	10°59	13°11	5°27	13°43	0°13	18° 8	14°29	18°58	6°16	6°16	24°38	26°27	F 18
S 19	4 18 17	3°43'03	24°56	12°33	14°23	6°13	13°47	0°12	18°10	14°27	19° 0	6°17	6°13	24°45	26°26	S 19
S 20	4 22 13	4°44'02	8♍55	14° 6	15°35	7° 0	13°50	0°10	18°13	14°25	19° 2	6°R17	6° 9	24°51	26°26	S 20
M21	4 26 10	5°45'03	22°38	15°40	16°46	7°46	13°54	0° 8	18°16	14°24	19° 4	6°D17	6° 6	24°58	26°25	M21
T 22	4 30 6	6°46'05	6♎ 5	17°13	17°58	8°33	13°58	0° 6	18°19	14°22	19° 5	6°17	6° 3	25° 5	26°25	T 22
W23	4 34 3	7°47'08	19°16	18°46	19° 9	9°19	14° 2	0° 4	18°22	14°20	19° 7	6°17	6° 0	25°11	26°24	W23
T 24	4 37 59	8°48'12	2♏12	20°20	20°21	10° 6	14° 7	0° 2	18°24	14°19	19° 9	6°17	5°57	25°18	26°24	T 24
F 25	4 41 56	9°49'17	14°55	21°53	21°32	10°53	14°11	0° 0	18°27	14°17	19°11	6°17	5°53	25°25	26°23	F 25
S 26	4 45 53	10°50'22	27°26	23°26	22°43	11°39	14°16	29♋58	18°30	14°15	19°12	6°17	5°50	25°31	26°23	S 26
S 27	4 49 49	11°51'29	9♗46	24°59	23°54	12°26	14°21	29°56	18°33	14°14	19°14	6°R18	5°47	25°38	26°23	S 27
M28	4 53 46	12°52'37	21°56	26°31	25° 5	13°13	14°26	29°53	18°36	14°12	19°16	6°17	5°44	25°45	26°23	M28
T 29	4 57 42	13°53'45	3♑58	28° 4	26°16	14° 0	14°31	29°51	18°39	14°10	19°17	6°17	5°41	25°52	26°23	T 29
W30	5 1 39	14♗54'53	15♑53	29♗36	27♑27	14♑47	14♓37	29♋48	18♑42	14♊ 8	19♎19	6♊16	5♊38	25♑58	26♓23	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s33	25s13	1s45	16s18	0s 6	25s14	1s54	24s27	1s 8	7s59	1s29	20n29	0n20	22s52	0s29	21n15	1s26	8n 5	16n34	21n27	21n36	25s14	1n38	3n11
W 2	16 50	26 3	2 45	16 52	0 12	25 20	1 56	24 30	1 8	7 59	1 29	20 29	0 20	22 52	0 29	21 15	1 26	8 5	16 34	21 27	21 35	25 14	1 37	3 11
T 3	17 7	25 41	3 37	17 26	0 19	25 25	1 58	24 32	1 8	7 58	1 29	20 29	0 20	22 52	0 29	21 15	1 26	8 4	16 35	21 28	21 35	25 13	1 36	3 10
F 4	17 24	24 9	4 19	17 58	0 26	25 29	2 0	24 34	1 9	7 58	1 29	20 29	0 20	22 52	0 29	21 15	1 26	8 4	16 35	21 28	21 34	25 13	1 35	3 10
S 5	17 41	21 33	4 51	18 30	0 32	25 32	2 1	24 36	1 9	7 57	1 28	20 29	0 21	22 51	0 29	21 14	1 26	8 3	16 35	21 28	21 34	25 12	1 35	3 10
S 6	17 57	18 1	5 10	19 1	0 38	25 35	2 3	24 38	1 9	7 57	1 28	20 29	0 21	22 51	0 29	21 14	1 26	8 3	16 35	21 28	21 33	25 12	1 34	3 10
M 7	18 14	13 42	5 16	19 31	0 45	25 36	2 4	24 39	1 9	7 56	1 28	20 30	0 21	22 51	0 29	21 14	1 26	8 2	16 36	21 28	21 33	25 11	1 33	3 9
T 8	18 29	8 43	5 8	20 0	0 51	25 38	2 6	24 40	1 9	7 55	1 28	20 30	0 21	22 50	0 29	21 14	1 26	8 2	16 36	21 28	21 32	25 11	1 33	3 9
W 9	18 45	3 15	4 44	20 29	0 57	25 38	2 7	24 41	1 9	7 55	1 27	20 30	0 21	22 50	0 29	21 14	1 26	8 1	16 36	21 27	21 32	25 10	1 32	3 9
T 10	19 0	2n31	4 4	20 56	1 3	25 37	2 8	24 42	1 10	7 54	1 27	20 30	0 21	22 50	0 29	21 13	1 26	8 1	16 37	21 27	21 31	25 9	1 31	3 9
F 11	19 14	8 22	3 10	21 22	1 9	25 36	2 9	24 42	1 10	7 53	1 27	20 31	0 21	22 49	0 29	21 13	1 27	8 0	16 37	21 27	21 30	25 9	1 31	3 9
S 12	19 29	13 59	2 3	21 47	1 14	25 34	2 10	24 42	1 10	7 52	1 26	20 31	0 22	22 49	0 29	21 13	1 27	8 0	16 37	21 27	21 30	25 8	1 30	3 8
S 13	19 43	18 58	0 47	22 11	1 20	25 31	2 11	24 42	1 10	7 51	1 26	20 31	0 22	22 49	0 29	21 13	1 27	7 59	16 38	21 26	21 29	25 8	1 29	3 8
M14	19 56	22 54	0n33	22 34	1 25	25 28	2 12	24 41	1 10	7 50	1 26	20 32	0 22	22 48	0 29	21 13	1 27	7 59	16 38	21 26	21 29	25 7	1 29	3 8
T 15	20 10	25 22	1 52	22 56	1 30	25 24	2 13	24 40	1 10	7 48	1 26	20 32	0 22	22 48	0 29	21 13	1 27	7 58	16 38	21 26	21 28	25 6	1 28	3 8
W16	20 23	26 5	3 4	23 16	1 35	25 19	2 13	24 39	1 10	7 47	1 25	20 32	0 22	22 48	0 29	21 12	1 27	7 58	16 39	21 27	21 28	25 6	1 28	3 7
T 17	20 35	24 58	4 3	23 36	1 40	25 13	2 14	24 38	1 10	7 45	1 25	20 33	0 22	22 47	0 29	21 12	1 27	7 58	16 39	21 27	21 27	25 5	1 27	3 7
F 18	20 47	22 13	4 47	23 54	1 44	25 7	2 15	24 36	1 11	7 44	1 25	20 33	0 22	22 47	0 29	21 12	1 27	7 57	16 39	21 27	21 27	25 4	1 27	3 7
S 19	20 59	18 9	5 11	24 11	1 48	25 0	2 15	24 34	1 11	7 42	1 25	20 34	0 23	22 46	0 29	21 12	1 27	7 57	16 40	21 27	21 26	25 4	1 26	3 7
S 20	21 10	13 9	5 17	24 27	1 52	24 52	2 15	24 32	1 11	7 41	1 24	20 34	0 23	22 46	0 29	21 12	1 27	7 57	16 40	21 27	21 26	25 3	1 26	3 7
M21	21 21	7 36	5 5	24 41	1 56	24 43	2 15	24 29	1 11	7 39	1 24	20 35	0 23	22 46	0 29	21 11	1 27	7 56	16 40	21 27	21 25	25 2	1 25	3 6
T 22	21 32	1 48	4 36	24 54	2 0	24 34	2 16	24 26	1 11	7 37	1 24	20 35	0 23	22 45	0 29	21 11	1 27	7 56	16 41	21 27	21 24	25 2	1 25	3 6
W23	21 42	3s59	3 53	25 6	2 3	24 24	2 16	24 23	1 11	7 35	1 24	20 36	0 23	22 45	0 29	21 11	1 27	7 56	16 41	21 27	21 24	25 1	1 24	3 6
T 24	21 52	9 30	2 58	25 16	2 6	24 13	2 16	24 20	1 11	7 33	1 23	20 36	0 23	22 44	0 29	21 11	1 27	7 56	16 42	21 27	21 23	25 0	1 24	3 6
F 25	22 1	14 32	1 56	25 25	2 8	24 2	2 15	24 16	1 11	7 31	1 23	20 37	0 23	22 44	0 29	21 11	1 27	7 55	16 42	21 27	21 23	25 0	1 24	3 5
S 26	22 10	18 53	0 49	25 33	2 10	23 50	2 15	24 12	1 11	7 29	1 23	20 38	0 24	22 44	0 29	21 10	1 27	7 55	16 43	21 27	21 22	24 59	1 23	3 5
S 27	22 18	22 20	0s19	25 38	2 12	23 37	2 15	24 8	1 11	7 27	1 23	20 38	0 24	22 43	0 29	21 10	1 27	7 55	16 43	21 27	21 22	24 58	1 23	3 5
M28	22 26	24 43	1 26	25 43	2 13	23 24	2 14	24 3	1 11	7 25	1 22	20 39	0 24	22 43	0 29	21 10	1 27	7 55	16 43	21 27	21 21	24 58	1 23	3 5
T 29	22 34	25 56	2 28	25 46	2 14	23 10	2 13	23 59	1 11	7 23	1 22	20 40	0 24	22 42	0 29	21 10	1 27	7 54	16 44	21 27	21 21	24 57	1 22	3 4
W30	22s41	25s56	3s22	25s47	2s15	22s56	2s13	23s54	1s11	7s20	1s22	20n40	0n24	22s42	0s29	21n10	1s27	7n54	16n44	21n27	21n20	24s56	1n22	3n 4

Julian Day Number = 2173906.5, Delta T = 12m04s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'23, Lahiri = 13°15'24 Julian Calendar 1 Nov. 1239 == Greg. Calendar 8 Nov. 1239

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ASTRODIENST EPHEMERIS for the year 1239
geocentric

DECEMBER 1239 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 5 35	15♐56'02	27♑43	1♑ 7	28♑38	15♑34	14♓42	29°R45	18♑46	14°R 7	19♎21	6°R14	5♊34	26♑ 5	26°D23	T 1
F 2	5 9 32	16°57'11	9♒33	2°38	29°49	16°21	14°48	29♋42	18°49	14♊ 5	19°22	6♊13	5°31	26°12	26♓23	F 2
S 3	5 13 29	17°58'21	21°24	4° 8	0♒59	17° 8	14°54	29°39	18°52	14° 3	19°24	6°11	5°28	26°18	26°23	S 3
S 4	5 17 25	18°59'31	3♓22	5°38	2°10	17°55	15° 1	29°36	18°55	14° 2	19°25	6°10	5°25	26°25	26°23	S 4
M 5	5 21 22	20° 0'40	15°30	7° 6	3°20	18°42	15° 7	29°33	18°58	14° 0	19°26	6°D 9	5°22	26°32	26°23	M 5
T 6	5 25 18	21° 1'50	27°53	8°33	4°30	19°29	15°13	29°30	19° 1	13°58	19°28	6° 9	5°19	26°38	26°23	T 6
W 7	5 29 15	22° 3'00	10♈35	9°58	5°40	20°16	15°20	29°26	19° 5	13°57	19°29	6°10	5°15	26°45	26°24	W 7
T 8	5 33 11	23° 4'10	23°40	11°22	6°50	21° 3	15°27	29°23	19° 8	13°55	19°31	6°11	5°12	26°52	26°24	T 8
F 9	5 37 8	24° 5'20	7♉12	12°43	8° 0	21°50	15°34	29°20	19°11	13°53	19°32	6°13	5° 9	26°58	26°24	F 9
S 10	5 41 4	25° 6'30	21°10	14° 2	9°10	22°37	15°41	29°16	19°14	13°52	19°33	6°14	5° 6	27° 5	26°25	S 10
S 11	5 45 1	26° 7'40	5♊35	15°18	10°19	23°24	15°49	29°12	19°18	13°50	19°35	6°R14	5° 3	27°12	26°26	S 11
M12	5 48 58	27° 8'51	20°21	16°30	11°29	24°11	15°56	29° 9	19°21	13°48	19°36	6°14	5° 0	27°19	26°26	M12
T 13	5 52 54	28°10'01	5♋23	17°38	12°38	24°59	16° 4	29° 5	19°24	13°47	19°37	6°12	4°56	27°25	26°27	T 13
W14	5 56 51	29°11'11	20°31	18°40	13°47	25°46	16°12	29° 1	19°28	13°45	19°38	6°10	4°53	27°32	26°28	W14
T 15	6 0 47	0♑12'22	5♌35	19°38	14°56	26°33	16°20	28°57	19°31	13°43	19°39	6° 6	4°50	27°39	26°28	T 15
F 16	6 4 44	1°13'33	20°27	20°28	16° 5	27°20	16°28	28°53	19°35	13°42	19°40	6° 3	4°47	27°45	26°29	F 16
S 17	6 8 40	2°14'43	5♍ 0	21°12	17°13	28° 8	16°36	28°49	19°38	13°40	19°41	6° 0	4°44	27°52	26°30	S 17
S 18	6 12 37	3°15'54	19°10	21°47	18°22	28°55	16°44	28°45	19°41	13°39	19°42	5°58	4°40	27°59	26°31	S 18
M19	6 16 33	4°17'05	2♎55	22°13	19°30	29°42	16°53	28°41	19°45	13°37	19°43	5°D57	4°37	28° 5	26°32	M19
T 20	6 20 30	5°18'17	16°16	22°29	20°38	0♒29	17° 2	28°36	19°48	13°35	19°44	5°57	4°34	28°12	26°33	T 20
W21	6 24 27	6°19'28	29°16	22°R34	21°46	1°17	17°11	28°32	19°52	13°34	19°45	5°59	4°31	28°19	26°34	W21
T 22	6 28 23	7°20'39	11♏57	22°28	22°53	2° 4	17°19	28°28	19°55	13°32	19°46	6° 1	4°28	28°25	26°35	T 22
F 23	6 32 20	8°21'51	24°23	22°10	24° 1	2°51	17°29	28°23	19°59	13°31	19°47	6° 2	4°25	28°32	26°37	F 23
S 24	6 36 16	9°23'02	6♐37	21°40	25° 8	3°39	17°38	28°19	20° 2	13°29	19°48	6°R 3	4°21	28°39	26°38	S 24
S 25	6 40 13	10°24'13	18°43	20°59	26°15	4°26	17°47	28°14	20° 6	13°28	19°49	6° 2	4°18	28°46	26°39	S 25
M26	6 44 9	11°25'24	0♑42	20° 7	27°22	5°13	17°57	28°10	20° 9	13°26	19°50	5°59	4°15	28°52	26°40	M26
T 27	6 48 6	12°26'34	12°36	19° 6	28°29	6° 1	18° 6	28° 5	20°13	13°25	19°50	5°54	4°12	28°59	26°42	T 27
W28	6 52 2	13°27'44	24°28	17°57	29°35	6°48	18°16	28° 0	20°16	13°23	19°51	5°48	4° 9	29° 6	26°43	W28
T 29	6 55 59	14°28'54	6♒18	16°42	0♓41	7°36	18°26	27°56	20°20	13°22	19°52	5°41	4° 6	29°12	26°45	T 29
F 30	6 59 56	15°30'02	18° 9	15°25	1°47	8°23	18°36	27°51	20°23	13°21	19°52	5°33	4° 2	29°19	26°47	F 30
S 31	7 3 52	16♑31'10	0♓ 3	14♑ 6	2♓53	9♒10	18♓46	27♋46	20♑27	13♊19	19♎53	5♊25	3♊59	29♑26	26♓48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s48	24s45	4s 8	25s47	2s15	22s40	2s12	23s48	1s11	7s18	1s22	20n41	0n24	22s42	0s29	21n 9	1s27	7n54	16n45	21n26	21n19	24s55	1n22	3n 4	
F 2	22 54	22 29	4 43	25 45	2 14	22 24	2 11	23 43	1 11	7 15	1 21	20 42	0 24	22 41	0 29	21 9	1 26	7 54	16 45	21 26	21 19	24 55	1 22	3 4	
S 3	23 0	19 15	5 6	25 41	2 13	22 8	2 10	23 37	1 11	7 13	1 21	20 42	0 25	22 41	0 29	21 9	1 26	7 54	16 46	21 26	21 18	24 54	1 22	3 4	
S 4	23 5	15 13	5 16	25 36	2 11	21 51	2 9	23 30	1 11	7 10	1 21	20 43	0 25	22 40	0 29	21 9	1 26	7 54	16 46	21 26	21 18	24 53	1 21	3 3	
M 5	23 10	10 32	5 12	25 30	2 9	21 33	2 7	23 24	1 11	7 7	1 21	20 44	0 25	22 40	0 29	21 9	1 26	7 54	16 47	21 25	21 17	24 52	1 21	3 3	
T 6	23 14	5 20	4 54	25 22	2 6	21 15	2 6	23 17	1 11	7 5	1 20	20 45	0 25	22 39	0 29	21 8	1 26	7 54	16 47	21 26	21 17	24 52	1 21	3 3	
W 7	23 18	0n12	4 21	25 12	2 2	20 57	2 4	23 10	1 11	7 2	1 20	20 46	0 25	22 39	0 29	21 8	1 26	7 54	16 48	21 26	21 16	24 51	1 21	3 3	
T 8	23 21	5 55	3 34	25 1	1 58	20 37	2 3	23 3	1 11	6 59	1 20	20 47	0 25	22 38	0 29	21 8	1 26	7 54	16 48	21 26	21 15	24 50	1 21	3 2	
F 9	23 24	11 33	2 34	24 48	1 53	20 17	2 1	22 55	1 11	6 56	1 20	20 47	0 25	22 38	0 29	21 8	1 26	7 54	16 49	21 26	21 15	24 49	1 21	3 2	
S 10	23 27	16 48	1 22	24 34	1 46	19 57	1 59	22 48	1 11	6 53	1 19	20 48	0 25	22 37	0 29	21 8	1 26	7 54	16 49	21 26	21 14	24 48	1 21	3 2	
S 11	23 29	21 16	0 4	24 18	1 39	19 36	1 57	22 40	1 11	6 50	1 19	20 49	0 26	22 37	0 29	21 8	1 26	7 54	16 50	21 26	21 14	24 48	1 21	3 2	
M12	23 30	24 28	1n17	24 2	1 31	19 15	1 55	22 31	1 10	6 47	1 19	20 50	0 26	22 36	0 29	21 7	1 26	7 54	16 50	21 26	21 13	24 47	1 21	3 1	
T 13	23 32	25 59	2 34	23 44	1 22	18 53	1 53	22 23	1 10	6 44	1 19	20 51	0 26	22 36	0 29	21 7	1 26	7 54	16 51	21 26	21 13	24 46	1 21	3 1	
W14	23 32	25 35	3 40	23 25	1 12	18 31	1 50	22 14	1 10	6 40	1 18	20 52	0 26	22 36	0 29	21 7	1 26	7 54	16 51	21 26	21 12	24 45	1 21	3 1	
T 15	23 32	23 19	4 31	23 6	1 1	18 9	1 48	22 5	1 10	6 37	1 18	20 53	0 26	22 35	0 29	21 7	1 26	7 54	16 52	21 25	21 11	24 44	1 21	3 1	
F 16	23 32	19 30	5 3	22 46	0 49	17 45	1 45	21 55	1 10	6 34	1 18	20 54	0 26	22 35	0 29	21 7	1 26	7 54	16 52	21 24	21 11	24 43	1 21	3 0	
S 17	23 31	14 35	5 14	22 26	0 35	17 22	1 43	21 46	1 10	6 30	1 18	20 55	0 26	22 34	0 29	21 7	1 26	7 54	16 53	21 24	21 10	24 43	1 21	3 0	
S 18	23 30	8 59	5 6	22 6	0 20	16 58	1 40	21 36	1 10	6 27	1 17	20 56	0 27	22 34	0 29	21 6	1 26	7 54	16 53	21 23	21 10	24 42	1 22	3 0	
M19	23 28	3 7	4 40	21 47	0 5	16 34	1 37	21 26	1 10	6 23	1 17	20 57	0 27	22 33	0 29	21 6	1 26	7 54	16 54	21 23	21 9	24 41	1 22	3 0	
T 20	23 26	2s44	4 0	21 27	0n12	16 9	1 34	21 16	1 10	6 20	1 17	20 58	0 27	22 33	0 29	21 6	1 26	7 54	16 54	21 23	21 8	24 40	1 22	3 0	
W21	23 23	8 20	3 8	21 9	0 30	15 44	1 30	21 5	1 9	6 16	1 17	20 59	0 27	22 32	0 29	21 6	1 26	7 54	16 55	21 24	21 8	24 39	1 22	2 59	
T 22	23 20	13 27	2 8	20 52	0 48	15 19	1 27	20 54	1 9	6 12	1 17	21 0	0 27	22 32	0 29	21 6	1 26	7 55	16 55	21 24	21 7	24 38	1 23	2 59	
F 23	23 16	17 55	1 3	20 36	1 7	14 53	1 24	20 43	1 9	6 8	1 16	21 1	0 27	22 31	0 29	21 6	1 26	7 55	16 56	21 24	21 7	24 37	1 23	2 59	
S 24	23 12	21 33	0s 3	20 22	1 26	14 27	1 20	20 32	1 9	6 5	1 16	21 2	0 27	22 30	0 29	21 5	1 26	7 55	16 57	21 24	21 6	24 36	1 23	2 59	
S 25	23 8	24 12	1 9	20 9	1 45	14 1	1 16	20 21	1 9	6 1	1 16	21 3	0 27	22 30	0 29	21 5	1 26	7 55	16 57	21 24	21 6	24 36	1 23	2 58	
M26	23 3	25 43	2 10	19 59	2 4	13 34	1 13	20 9	1 8	5 57	1 16	21 4	0 28	22 29	0 29	21 5	1 26	7 56	16 58	21 24	21 5	24 35	1 24	2 58	
T 27	22 57	26 1	3 6	19 50	2 22	13 7	1 9	19 57	1 8	5 53	1 16	21 5	0 28	22 29	0 29	21 5	1 26	7 56	16 58	21 23	21 4	24 34	1 24	2 58	
W28	22 51	25 8	3 53	19 43	2 38	12 40	1 4	19 45	1 8	5 49	1 15	21 6	0 28	22 28	0 29	21 5	1 26	7 56	16 59	21 22	21 4	24 33	1 25	2 58	
T 29	22 45	23 8	4 30	19 38	2 52	12 13	1 0	19 32	1 8	5 45	1 15	21 7	0 28	22 28	0 29	21 5	1 26	7 56	16 59	21 20	21 3	24 32	1 25	2 58	
F 30	22 38	20 7	4 55	19 35	3 5	11 45	0 56	19 20	1 8	5 41	1 15	21 8	0 28	22 27	0 29	21 5	1 26	7 57	17 0	21 19	21 3	24 31	1 25	2 57	
S 31	22s31	16s17	5s 8	19s34	3n15	11s17	0s51	19s 7	1s 7	5s36	1s15	21n 9	0n28	22s27	0s29	21n 4	1s26	7n57	17n 0	21n18	21n 2	24s30	1n26	2n57	

Julian Day Number = 2173936.5, Delta T = 12m04s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'27, Lahiri = 13°15'28 Julian Calendar 1 Dec. 1239 == Greg. Calendar 8 Dec. 1239

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

JANUARY 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 49	17♑32'17	12♓ 2	12°R50	3♓58	9♒58	18♓57	27°R41	20♑30	13°R18	19♎53	5°R18	3♊56	29♑32	26♓50	S 1
M 2	7 11 45	18°33'23	24° 9	11♑37	5° 4	10°45	19° 7	27♋36	20°34	13♊17	19°54	5♊13	3°53	29°39	26°52	M 2
T 3	7 15 42	19°34'29	6♈29	10°30	6° 8	11°32	19°17	27°32	20°37	13°15	19°54	5°10	3°50	29°46	26°53	T 3
W 4	7 19 38	20°35'33	19° 5	9°30	7°13	12°20	19°28	27°27	20°41	13°14	19°55	5°D 9	3°46	29°53	26°55	W 4
T 5	7 23 35	21°36'36	2♉ 1	8°38	8°17	13° 7	19°39	27°22	20°44	13°13	19°55	5°10	3°43	29°59	26°57	T 5
F 6	7 27 31	22°37'38	15°22	7°54	9°21	13°55	19°50	27°17	20°48	13°12	19°56	5°11	3°40	0♒ 6	26°59	F 6
S 7	7 31 28	23°38'39	29°11	7°20	10°25	14°42	20° 0	27°12	20°51	13°10	19°56	5°R12	3°37	0°13	27° 1	S 7
S 8	7 35 25	24°39'39	13♊27	6°55	11°28	15°29	20°12	27° 7	20°55	13° 9	19°56	5°12	3°34	0°19	27° 3	S 8
M 9	7 39 21	25°40'38	28°10	6°39	12°31	16°17	20°23	27° 2	20°58	13° 8	19°56	5°10	3°31	0°26	27° 5	M 9
T 10	7 43 18	26°41'36	13♋15	6°D31	13°33	17° 4	20°34	26°57	21° 2	13° 7	19°57	5° 5	3°27	0°33	27° 7	T 10
W11	7 47 14	27°42'32	28°33	6°32	14°35	17°51	20°45	26°52	21° 5	13° 6	19°57	4°58	3°24	0°39	27° 9	W11
T 12	7 51 11	28°43'28	13♌54	6°40	15°37	18°39	20°57	26°47	21° 9	13° 5	19°57	4°50	3°21	0°46	27°12	T 12
F 13	7 55 7	29°44'23	29° 5	6°55	16°38	19°26	21° 8	26°43	21°13	13° 4	19°57	4°41	3°18	0°53	27°14	F 13
S 14	7 59 4	0♒45'16	13♍57	7°16	17°39	20°13	21°20	26°38	21°16	13° 2	19°57	4°33	3°15	1° 0	27°16	S 14
S 15	8 3 1	1°46'09	28°23	7°43	18°40	21° 1	21°32	26°33	21°20	13° 1	19°R57	4°27	3°12	1° 6	27°18	S 15
M16	8 6 57	2°47'01	12♎19	8°16	19°40	21°48	21°43	26°28	21°23	13° 0	19°57	4°23	3° 8	1°13	27°21	M16
T 17	8 10 54	3°47'52	25°46	8°54	20°39	22°35	21°55	26°23	21°26	13° 0	19°57	4°21	3° 5	1°20	27°23	T 17
W18	8 14 50	4°48'42	8♏46	9°36	21°39	23°23	22° 7	26°18	21°30	12°59	19°57	4°D20	3° 2	1°26	27°26	W18
T 19	8 18 47	5°49'31	21°23	10°23	22°37	24°10	22°19	26°13	21°33	12°58	19°57	4°21	2°59	1°33	27°28	T 19
F 20	8 22 43	6°50'19	3♐43	11°13	23°35	24°57	22°32	26° 8	21°37	12°57	19°57	4°R21	2°56	1°40	27°31	F 20
S 21	8 26 40	7°51'07	15°49	12° 6	24°33	25°44	22°44	26° 4	21°40	12°56	19°57	4°21	2°52	1°47	27°33	S 21
S 22	8 30 36	8°51'53	27°46	13° 3	25°30	26°32	22°56	25°59	21°44	12°55	19°56	4°18	2°49	1°53	27°36	S 22
M23	8 34 33	9°52'38	9♑37	14° 3	26°27	27°19	23° 9	25°54	21°47	12°54	19°56	4°12	2°46	2° 0	27°39	M23
T 24	8 38 30	10°53'21	21°27	15° 5	27°23	28° 6	23°21	25°50	21°51	12°54	19°56	4° 4	2°43	2° 7	27°41	T 24
W25	8 42 26	11°54'03	3♒17	16°10	28°18	28°53	23°34	25°45	21°54	12°53	19°56	3°53	2°40	2°13	27°44	W25
T 26	8 46 23	12°54'44	15° 9	17°17	29°13	29°40	23°46	25°40	21°57	12°52	19°55	3°40	2°37	2°20	27°47	T 26
F 27	8 50 19	13°55'24	27° 5	18°26	0♈ 7	0♓28	23°59	25°36	22° 1	12°52	19°55	3°26	2°33	2°27	27°50	F 27
S 28	8 54 16	14°56'01	9♓ 5	19°37	1° 0	1°15	24°12	25°31	22° 4	12°51	19°54	3°12	2°30	2°33	27°52	S 28
S 29	8 58 12	15°56'37	21°11	20°50	1°53	2° 2	24°25	25°27	22° 7	12°50	19°54	3° 0	2°27	2°40	27°55	S 29
M30	9 2 9	16°57'12	3♈24	22° 4	2°45	2°49	24°37	25°22	22°11	12°50	19°53	2°50	2°24	2°47	27°58	M30
T 31	9 6 5	17♒57'44	15♈48	23♑21	3♈36	3♓36	24♓50	25♋18	22♑14	12♊49	19♎53	2♊43	2♊21	2♒54	28♓ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s23	11s48	5s 7	19s34	3n22	10s49	0s47	18s54	1s 7	5s32	1s15	21n10	0n28	22s26	0s29	21n 4	1s26	7n57	17n 1	21n16	21n 1	24s29	1n26	2n57
M 2	22 15	6 48	4 52	19 35	3 27	10 21	0 42	18 41	1 7	5 28	1 14	21 11	0 28	22 26	0 29	21 4	1 26	7 58	17 2	21 16	21 1	24 28	1 27	2 57
T 3	22 6	1 27	4 24	19 38	3 30	9 53	0 37	18 28	1 7	5 24	1 14	21 12	0 28	22 25	0 29	21 4	1 26	7 58	17 2	21 15	21 0	24 27	1 27	2 56
W 4	21 57	4n 4	3 43	19 42	3 30	9 24	0 32	18 14	1 6	5 19	1 14	21 14	0 29	22 25	0 29	21 4	1 26	7 58	17 3	21 15	21 0	24 26	1 28	2 56
T 5	21 48	9 35	2 49	19 47	3 28	8 55	0 27	18 0	1 6	5 15	1 14	21 15	0 29	22 24	0 29	21 4	1 26	7 59	17 3	21 15	20 59	24 25	1 28	2 56
F 6	21 38	14 50	1 45	19 54	3 25	8 26	0 22	17 46	1 6	5 10	1 14	21 16	0 29	22 24	0 29	21 4	1 26	7 59	17 4	21 15	20 58	24 24	1 29	2 56
S 7	21 28	19 32	0 32	20 1	3 19	7 57	0 17	17 32	1 6	5 6	1 14	21 17	0 29	22 23	0 29	21 4	1 26	8 0	17 4	21 15	20 58	24 23	1 30	2 56
S 8	21 17	23 15	0n44	20 9	3 13	7 28	0 11	17 18	1 5	5 1	1 13	21 18	0 29	22 23	0 29	21 3	1 25	8 0	17 5	21 15	20 57	24 22	1 30	2 55
M 9	21 6	25 32	2 0	20 18	3 5	6 59	0 6	17 3	1 5	4 57	1 13	21 19	0 29	22 22	0 29	21 3	1 25	8 0	17 6	21 15	20 57	24 21	1 31	2 55
T 10	20 54	26 1	3 10	20 27	2 56	6 30	0 0	16 49	1 5	4 52	1 13	21 20	0 29	22 22	0 29	21 3	1 25	8 1	17 6	21 14	20 56	24 20	1 32	2 55
W11	20 42	24 33	4 7	20 36	2 47	6 0	0n 6	16 34	1 5	4 48	1 13	21 21	0 29	22 21	0 29	21 3	1 25	8 1	17 7	21 13	20 55	24 19	1 32	2 55
T 12	20 30	21 17	4 46	20 45	2 37	5 31	0 11	16 19	1 4	4 43	1 13	21 22	0 29	22 20	0 29	21 3	1 25	8 2	17 7	21 11	20 55	24 18	1 33	2 55
F 13	20 17	16 35	5 4	20 55	2 27	5 2	0 18	16 4	1 4	4 38	1 13	21 23	0 30	22 20	0 29	21 3	1 25	8 2	17 8	21 10	20 54	24 17	1 34	2 54
S 14	20 4	10 58	5 1	21 5	2 16	4 32	0 24	15 49	1 4	4 34	1 12	21 24	0 30	22 19	0 29	21 3	1 25	8 3	17 8	21 8	20 54	24 16	1 34	2 54
S 15	19 51	4 55	4 40	21 14	2 5	4 3	0 30	15 33	1 3	4 29	1 12	21 25	0 30	22 19	0 29	21 3	1 25	8 3	17 9	21 7	20 53	24 15	1 35	2 54
M16	19 37	1s11	4 1	21 23	1 54	3 33	0 36	15 17	1 3	4 24	1 12	21 26	0 30	22 18	0 29	21 3	1 25	8 4	17 10	21 6	20 52	24 14	1 36	2 54
T 17	19 23	7 2	3 11	21 31	1 43	3 4	0 43	15 2	1 3	4 19	1 12	21 27	0 30	22 18	0 29	21 3	1 25	8 4	17 10	21 6	20 52	24 13	1 37	2 54
W18	19 8	12 24	2 12	21 39	1 32	2 34	0 49	14 46	1 2	4 14	1 12	21 28	0 30	22 17	0 29	21 3	1 25	8 5	17 11	21 6	20 51	24 12	1 37	2 53
T 19	18 54	17 5	1 9	21 47	1 22	2 5	0 56	14 30	1 2	4 9	1 12	21 29	0 30	22 17	0 29	21 3	1 25	8 5	17 11	21 6	20 50	24 11	1 38	2 53
F 20	18 38	20 55	0 3	21 53	1 11	1 36	1 3	14 13	1 2	4 4	1 12	21 30	0 30	22 16	0 29	21 2	1 25	8 6	17 12	21 6	20 50	24 10	1 39	2 53
S 21	18 23	23 47	1s 1	21 59	1 0	1 6	1 10	13 57	1 1	3 59	1 11	21 31	0 30	22 16	0 29	21 2	1 25	8 7	17 12	21 6	20 49	24 8	1 40	2 53
S 22	18 7	25 33	2 1	22 4	0 50	0 37	1 17	13 41	1 1	3 54	1 11	21 32	0 30	22 15	0 29	21 2	1 25	8 7	17 13	21 5	20 49	24 7	1 41	2 53
M23	17 51	26 7	2 56	22 8	0 39	0 8	1 24	13 24	1 0	3 49	1 11	21 33	0 31	22 15	0 29	21 2	1 25	8 8	17 13	21 4	20 48	24 6	1 42	2 53
T 24	17 34	25 29	3 43	22 12	0 29	0n21	1 31	13 7	1 0	3 44	1 11	21 34	0 31	22 14	0 29	21 2	1 25	8 8	17 14	21 3	20 47	24 5	1 43	2 52
W25	17 18	23 43	4 20	22 14	0 20	0 49	1 38	12 50	1 0	3 39	1 11	21 35	0 31	22 13	0 29	21 2	1 25	8 9	17 15	21 1	20 47	24 4	1 44	2 52
T 26	17 0	20 54	4 46	22 15	0 10	1 18	1 46	12 34	0 59	3 34	1 11	21 36	0 31	22 13	0 29	21 2	1 25	8 10	17 15	20 58	20 46	24 3	1 45	2 52
F 27	16 43	17 13	4 59	22 15	0 1	1 47	1 53	12 16	0 59	3 29	1 11	21 37	0 31	22 12	0 29	21 2	1 25	8 10	17 16	20 56	20 46	24 2	1 46	2 52
S 28	16 25	12 49	4 59	22 14	0s 8	2 15	2 1	11 59	0 59	3 24	1 10	21 38	0 31	22 12	0 29	21 2	1 25	8 11	17 16	20 53	20 45	24 1	1 46	2 52
S 29	16 7	7 53	4 46	22 12	0 17	2 43	2 9	11 42	0 58	3 18	1 10	21 39	0 31	22 11	0 29	21 2	1 25	8 12	17 17	20 51	20 44	24 0	1 47	2 52
M30	15 49	2 37	4 20	22 9	0 26	3 11	2 17	11 25	0 58	3 13	1 10	21 40	0 31	22 11	0 29	21 2	1 24	8 12	17 17	20 49	20 44	23 58	1 48	2 51
T 31	15s31	2n51	3s41	22s 4	0s34	3n39	2n24	11s 7	0s57	3s 8	1s10	21n41	0n31	22s10	0s29	21n 2	1s24	8n13	17n18	20n47	20n43	23s57	1n50	2n51

Julian Day Number = 2173967.5, Delta T = 12m04s
Ecliptic obliquity = 23°32'20, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'32, Lahiri = 13°15'32 Julian Calendar 1 Jan. 1240 == Greg. Calendar 8 Jan. 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

FEBRUARY 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 10 2	18♒58'15	28♈25	24♉38	4♈27	4♓23	25♓ 4	25°R14	22♉17	12°R49	19°R52	2°R39	2♊17	3♒ 0	28♓ 4	W 1
T 2	9 13 59	19°58'44	11♉18	25°58	5°16	5°10	25°17	25♋ 9	22°20	12♊48	19♎52	2♊38	2°14	3° 7	28° 7	T 2
F 3	9 17 55	20°59'11	24°32	27°18	6° 5	5°57	25°30	25° 5	22°24	12°48	19°51	2°D38	2°11	3°14	28°10	F 3
S 4	9 21 52	21°59'36	8♊ 8	28°40	6°53	6°44	25°43	25° 1	22°27	12°48	19°50	2°R38	2° 8	3°20	28°13	S 4
S 5	9 25 48	22°59'59	22°10	0♒ 3	7°40	7°31	25°56	24°57	22°30	12°47	19°50	2°36	2° 5	3°27	28°16	S 5
M 6	9 29 45	24° 0'20	6♋38	1°28	8°26	8°18	26°10	24°53	22°33	12°47	19°49	2°33	2° 2	3°34	28°19	M 6
T 7	9 33 41	25° 0'40	21°29	2°53	9°11	9° 5	26°23	24°49	22°36	12°47	19°48	2°27	1°58	3°41	28°23	T 7
W 8	9 37 38	26° 0'57	6♌37	4°20	9°55	9°52	26°37	24°45	22°39	12°46	19°48	2°18	1°55	3°47	28°26	W 8
T 9	9 41 34	27° 1'12	21°53	5°48	10°38	10°38	26°50	24°42	22°42	12°46	19°47	2° 8	1°52	3°54	28°29	T 9
F 10	9 45 31	28° 1'26	7♍ 5	7°17	11°20	11°25	27° 4	24°38	22°45	12°46	19°46	1°56	1°49	4° 1	28°32	F 10
S 11	9 49 28	29° 1'37	22° 4	8°48	12° 0	12°12	27°17	24°34	22°48	12°46	19°45	1°45	1°46	4° 7	28°35	S 11
S 12	9 53 24	0♓ 1'47	6♎39	10°19	12°40	12°59	27°31	24°31	22°51	12°46	19°44	1°35	1°43	4°14	28°39	S 12
M13	9 57 21	1° 1'55	20°45	11°52	13°18	13°45	27°45	24°27	22°54	12°45	19°43	1°29	1°39	4°21	28°42	M13
T 14	10 1 17	2° 2'02	4♏21	13°25	13°55	14°32	27°58	24°24	22°57	12°45	19°42	1°25	1°36	4°27	28°45	T 14
W15	10 5 14	3° 2'07	17°28	15° 0	14°31	15°19	28°12	24°20	23° 0	12°D45	19°41	1°23	1°33	4°34	28°49	W15
T 16	10 9 10	4° 2'10	0♐10	16°36	15° 5	16° 5	28°26	24°17	23° 3	12°45	19°40	1°22	1°30	4°41	28°52	T 16
F 17	10 13 7	5° 2'12	12°31	18°13	15°38	16°52	28°40	24°14	23° 6	12°45	19°39	1°22	1°27	4°48	28°55	F 17
S 18	10 17 3	6° 2'12	24°36	19°51	16° 9	17°38	28°54	24°11	23° 9	12°46	19°38	1°21	1°23	4°54	28°59	S 18
S 19	10 21 0	7° 2'11	6♑31	21°30	16°39	18°25	29° 8	24° 8	23°12	12°46	19°37	1°18	1°20	5° 1	29° 2	S 19
M20	10 24 57	8° 2'07	18°21	23°10	17° 7	19°11	29°22	24° 5	23°14	12°46	19°36	1°13	1°17	5° 8	29° 6	M20
T 21	10 28 53	9° 2'02	0♒10	24°51	17°34	19°58	29°36	24° 3	23°17	12°46	19°35	1° 4	1°14	5°14	29° 9	T 21
W22	10 32 50	10° 1'56	12° 1	26°34	17°58	20°44	29°50	24° 0	23°20	12°46	19°33	0°53	1°11	5°21	29°13	W22
T 23	10 36 46	11° 1'47	23°57	28°18	18°21	21°30	0♈ 4	23°57	23°22	12°46	19°32	0°39	1° 8	5°28	29°16	T 23
F 24	10 40 43	12° 1'36	5♓59	0♓ 3	18°43	22°17	0°18	23°55	23°25	12°47	19°31	0°25	1° 4	5°35	29°20	F 24
S 25	10 44 39	13° 1'23	18° 9	1°49	19° 2	23° 3	0°32	23°52	23°28	12°47	19°30	0°11	1° 1	5°41	29°23	S 25
S 26	10 48 36	14° 1'09	0♈27	3°36	19°19	23°49	0°46	23°50	23°30	12°47	19°29	29♉59	0°58	5°48	29°27	S 26
M27	10 52 32	15° 0'52	12°53	5°24	19°34	24°35	1° 0	23°48	23°33	12°48	19°27	29°48	0°55	5°55	29°30	M27
T 28	10 56 29	16° 0'33	25°30	7°14	19°47	25°22	1°15	23°46	23°35	12°48	19°26	29°41	0°52	6° 1	29°34	T 28
W29	11 0 25	17♓ 0'12	8♉18	9♓ 5	19♈58	26♓ 8	1♈29	23♋44	23♉38	12♊49	19♎25	29♉37	0♊49	6♒ 8	29♓37	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s12	8n18	2s50	21s58	0s42	4n 6	2n32	10s50	0s57	3s 2	1s10	21n42	0n31	22s10	0s29	21n 2	1s24	8n14	17n18	20n47	20n42	23s56	1n51	2n51
T 2	14 53	13 32	1 50	21 51	0 49	4 33	2 41	10 32	0 56	2 57	1 10	21 42	0 31	22 9	0 29	21 2	1 24	8 14	17 19	20 46	20 42	23 55	1 52	2 51
F 3	14 34	18 17	0 43	21 43	0 57	5 0	2 49	10 14	0 56	2 52	1 10	21 43	0 31	22 9	0 29	21 2	1 24	8 15	17 19	20 46	20 41	23 54	1 53	2 51
S 4	14 14	22 14	0n29	21 33	1 4	5 27	2 57	9 56	0 56	2 46	1 10	21 44	0 32	22 8	0 29	21 2	1 24	8 16	17 20	20 46	20 40	23 52	1 54	2 51
S 5	13 54	25 0	1 41	21 22	1 10	5 53	3 5	9 38	0 55	2 41	1 10	21 45	0 32	22 8	0 29	21 2	1 24	8 16	17 20	20 46	20 40	23 51	1 55	2 50
M 6	13 34	26 11	2 49	21 10	1 17	6 19	3 14	9 20	0 55	2 36	1 9	21 46	0 32	22 7	0 29	21 2	1 24	8 17	17 21	20 45	20 39	23 50	1 56	2 50
T 7	13 14	25 33	3 47	20 56	1 23	6 45	3 22	9 2	0 54	2 30	1 9	21 46	0 32	22 7	0 29	21 2	1 24	8 18	17 21	20 44	20 39	23 49	1 57	2 50
W 8	12 54	23 4	4 31	20 41	1 29	7 10	3 31	8 44	0 54	2 25	1 9	21 47	0 32	22 6	0 29	21 2	1 24	8 18	17 22	20 43	20 38	23 48	1 58	2 50
T 9	12 33	18 55	4 55	20 25	1 34	7 35	3 39	8 26	0 53	2 19	1 9	21 48	0 32	22 6	0 29	21 2	1 24	8 19	17 22	20 40	20 37	23 46	1 59	2 50
F 10	12 13	13 34	4 59	20 7	1 39	8 0	3 48	8 8	0 53	2 14	1 9	21 49	0 32	22 5	0 29	21 2	1 24	8 20	17 23	20 38	20 37	23 45	2 0	2 50
S 11	11 52	7 28	4 42	19 48	1 44	8 24	3 57	7 49	0 52	2 8	1 9	21 49	0 32	22 5	0 29	21 2	1 24	8 21	17 23	20 36	20 36	23 44	2 2	2 50
S 12	11 30	1 7	4 6	19 28	1 48	8 47	4 6	7 31	0 52	2 3	1 9	21 50	0 32	22 4	0 29	21 2	1 24	8 21	17 24	20 34	20 35	23 43	2 3	2 49
M13	11 9	5s 6	3 17	19 6	1 52	9 10	4 14	7 12	0 51	1 57	1 9	21 51	0 32	22 4	0 29	21 2	1 24	8 22	17 24	20 33	20 35	23 41	2 4	2 49
T 14	10 48	10 52	2 18	18 43	1 56	9 33	4 23	6 54	0 51	1 52	1 9	21 51	0 32	22 3	0 29	21 2	1 24	8 23	17 24	20 32	20 34	23 40	2 5	2 49
W15	10 26	15 57	1 13	18 18	1 59	9 55	4 32	6 35	0 51	1 46	1 9	21 52	0 32	22 3	0 29	21 2	1 24	8 24	17 25	20 31	20 33	23 39	2 6	2 49
T 16	10 4	20 10	0 6	17 52	2 2	10 17	4 41	6 17	0 50	1 40	1 9	21 53	0 32	22 2	0 29	21 2	1 24	8 24	17 25	20 31	20 33	23 38	2 8	2 49
F 17	9 42	23 21	0s59	17 24	2 4	10 38	4 50	5 58	0 50	1 35	1 8	21 53	0 32	22 2	0 29	21 3	1 23	8 25	17 26	20 31	20 32	23 36	2 9	2 49
S 18	9 20	25 25	1 59	16 55	2 7	10 58	4 59	5 39	0 49	1 29	1 8	21 54	0 33	22 2	0 29	21 3	1 23	8 26	17 26	20 31	20 32	23 35	2 10	2 49
S 19	8 58	26 17	2 54	16 25	2 8	11 18	5 8	5 21	0 49	1 24	1 8	21 55	0 33	22 1	0 29	21 3	1 23	8 27	17 27	20 30	20 31	23 34	2 11	2 49
M20	8 35	25 55	3 41	15 53	2 9	11 37	5 17	5 2	0 48	1 18	1 8	21 55	0 33	22 1	0 29	21 3	1 23	8 28	17 27	20 29	20 30	23 33	2 13	2 48
T 21	8 13	24 24	4 18	15 20	2 10	11 55	5 25	4 43	0 48	1 12	1 8	21 56	0 33	22 0	0 29	21 3	1 23	8 28	17 27	20 28	20 30	23 31	2 14	2 48
W22	7 50	21 48	4 44	14 45	2 11	12 13	5 34	4 24	0 47	1 7	1 8	21 56	0 33	22 0	0 29	21 3	1 23	8 29	17 28	20 25	20 29	23 30	2 15	2 48
T 23	7 28	18 16	4 58	14 9	2 11	12 30	5 43	4 6	0 46	1 1	1 8	21 57	0 33	21 59	0 29	21 3	1 23	8 30	17 28	20 22	20 28	23 29	2 17	2 48
F 24	7 5	13 58	4 58	13 32	2 10	12 46	5 52	3 47	0 46	0 55	1 8	21 57	0 33	21 59	0 29	21 3	1 23	8 31	17 28	20 19	20 28	23 27	2 18	2 48
S 25	6 42	9 5	4 45	12 53	2 9	13 2	6 0	3 28	0 45	0 49	1 8	21 58	0 33	21 59	0 29	21 3	1 23	8 31	17 29	20 16	20 27	23 26	2 19	2 48
S 26	6 19	3 47	4 19	12 13	2 8	13 16	6 9	3 9	0 45	0 44	1 8	21 58	0 33	21 58	0 30	21 3	1 23	8 32	17 29	20 14	20 26	23 25	2 20	2 48
M27	5 56	1n44	3 40	11 31	2 6	13 30	6 17	2 50	0 44	0 38	1 8	21 59	0 33	21 58	0 30	21 3	1 23	8 33	17 29	20 12	20 26	23 23	2 22	2 48
T 28	5 32	7 16	2 50	10 48	2 3	13 42	6 25	2 31	0 44	0 32	1 8	21 59	0 33	21 57	0 30	21 3	1 23	8 34	17 30	20 10	20 25	23 22	2 23	2 48
W29	5s 9	12n36	1s50	10s 3	2s 0	13n54	6n33	2s12	0s43	0s27	1s 8	21n59	0n33	21s57	0s30	21n 4	1s23	8n35	17n30	20n 9	20n24	23s21	2n24	2n47

Julian Day Number = 2173998.5, Delta T = 12m04s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'36, Lahiri = 13°15'36 Julian Calendar 1 Feb. 1240 == Greg. Calendar 8 Feb. 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

MARCH 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 4 22	17♓59'48	21♉19	10♓57	20♈ 7	26♓54	1♈43	23°R42	23♑40	12♊49	19°R23	29°R35	0♊45	6♒15	29♓41	T 1
F 2	11 8 19	18°59'22	4♊35	12°51	20°14	27°40	1°58	23♋40	23°42	12°50	19♎22	29°D35	0°42	6°21	29°44	F 2
S 3	11 12 15	19°58'54	18° 9	14°45	20°18	28°26	2°12	23°39	23°45	12°50	19°20	29°R35	0°39	6°28	29°48	S 3
S 4	11 16 12	20°58'24	2♋ 2	16°41	20°R19	29°12	2°26	23°37	23°47	12°51	19°19	29♉35	0°36	6°35	29°52	S 4
M 5	11 20 8	21°57'51	16°15	18°38	20°19	29°58	2°41	23°36	23°49	12°51	19°18	29°32	0°33	6°42	29°55	M 5
T 6	11 24 5	22°57'16	0♌46	20°36	20°15	0♈44	2°55	23°34	23°52	12°52	19°16	29°28	0°29	6°48	29°59	T 6
W 7	11 28 1	23°56'39	15°32	22°35	20°10	1°30	3° 9	23°33	23°54	12°53	19°15	29°21	0°26	6°55	0♈ 2	W 7
T 8	11 31 58	24°55'59	0♍27	24°35	20° 2	2°15	3°24	23°32	23°56	12°54	19°13	29°12	0°23	7° 2	0° 6	T 8
F 9	11 35 54	25°55'17	15°22	26°36	19°51	3° 1	3°38	23°31	23°58	12°54	19°12	29° 2	0°20	7° 8	0°10	F 9
S 10	11 39 51	26°54'32	0♎ 7	28°38	19°38	3°47	3°52	23°30	24° 0	12°55	19°10	28°52	0°17	7°15	0°13	S 10
S 11	11 43 48	27°53'46	14°35	0♈41	19°22	4°32	4° 7	23°29	24° 2	12°56	19° 9	28°44	0°14	7°22	0°17	S 11
M12	11 47 44	28°52'57	28°40	2°44	19° 4	5°18	4°21	23°28	24° 4	12°57	19° 7	28°38	0°10	7°29	0°20	M12
T 13	11 51 41	29°52'07	12♏19	4°47	18°43	6° 4	4°36	23°28	24° 6	12°58	19° 5	28°35	0° 7	7°35	0°24	T 13
W14	11 55 37	0♈51'15	25°30	6°51	18°21	6°49	4°50	23°27	24° 8	12°58	19° 4	28°D33	0° 4	7°42	0°28	W14
T 15	11 59 34	1°50'21	8♐17	8°54	17°56	7°35	5° 5	23°27	24°10	12°59	19° 2	28°34	0° 1	7°49	0°31	T 15
F 16	12 3 30	2°49'26	20°42	10°57	17°29	8°20	5°19	23°27	24°11	13° 0	19° 1	28°35	29♉58	7°55	0°35	F 16
S 17	12 7 27	3°48'28	2♑51	12°59	17° 0	9° 5	5°34	23°27	24°13	13° 1	18°59	28°R35	29°54	8° 2	0°39	S 17
S 18	12 11 23	4°47'29	14°49	15° 1	16°29	9°51	5°48	23°D27	24°15	13° 2	18°57	28°35	29°51	8° 9	0°42	S 18
M19	12 15 20	5°46'28	26°41	17° 0	15°56	10°36	6° 3	23°27	24°17	13° 4	18°56	28°32	29°48	8°16	0°46	M19
T 20	12 19 17	6°45'25	8♒32	18°58	15°23	11°21	6°17	23°27	24°18	13° 5	18°54	28°27	29°45	8°22	0°50	T 20
W21	12 23 13	7°44'20	20°25	20°54	14°47	12° 6	6°31	23°27	24°20	13° 6	18°53	28°21	29°42	8°29	0°53	W21
T 22	12 27 10	8°43'13	2♓25	22°48	14°11	12°52	6°46	23°27	24°21	13° 7	18°51	28°13	29°39	8°36	0°57	T 22
F 23	12 31 6	9°42'05	14°34	24°38	13°34	13°37	7° 0	23°28	24°23	13° 8	18°49	28° 3	29°35	8°42	1° 0	F 23
S 24	12 35 3	10°40'54	26°54	26°25	12°57	14°22	7°15	23°29	24°24	13° 9	18°48	27°54	29°32	8°49	1° 4	S 24
S 25	12 38 59	11°39'42	9♈26	28° 9	12°19	15° 7	7°29	23°29	24°26	13°11	18°46	27°46	29°29	8°56	1° 8	S 25
M26	12 42 56	12°38'27	22°10	29°49	11°41	15°52	7°44	23°30	24°27	13°12	18°44	27°40	29°26	9° 3	1°11	M26
T 27	12 46 52	13°37'11	5♉ 6	1♉25	11° 4	16°37	7°58	23°31	24°28	13°13	18°42	27°35	29°23	9° 9	1°15	T 27
W28	12 50 49	14°35'52	18°14	2°57	10°26	17°21	8°13	23°32	24°29	13°14	18°41	27°33	29°20	9°16	1°18	W28
T 29	12 54 45	15°34'32	1♊33	4°24	9°50	18° 6	8°27	23°33	24°31	13°16	18°39	27°D33	29°16	9°23	1°22	T 29
F 30	12 58 42	16°33'09	15° 5	5°47	9°14	18°51	8°41	23°35	24°32	13°17	18°37	27°34	29°13	9°29	1°25	F 30
S 31	13 2 39	17♈31'44	28♊48	7♉ 4	8♈39	19♈36	8♈56	23♋36	24♑33	13♊19	18♎36	27♉35	29♉10	9♒36	1♈29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	4s46	17n28	0s44	9s17	1s57	14n 4	6n41	1s54	0s43	0s21	1s 8	22n 0	0n33	21s57	0s30	21n 4	1s23	8n35	17n30	20n 9	20n24	23s19	2n26	2n47	T 1
F 2	4 22	21 35	0n27	8 30	1 53	14 14	6 49	1 35	0 42	0 15	1 8	22 0	0 33	21 56	0 30	21 4	1 23	8 36	17 31	20 9	20 23	23 18	2 27	2 47	F 2
S 3	3 59	24 37	1 37	7 42	1 48	14 22	6 56	1 16	0 42	0 9	1 8	22 0	0 33	21 56	0 30	21 4	1 23	8 37	17 31	20 9	20 22	23 17	2 28	2 47	S 3
S 4	3 36	26 15	2 43	6 52	1 43	14 29	7 3	0 57	0 41	0 4	1 7	22 1	0 33	21 55	0 30	21 4	1 23	8 38	17 31	20 9	20 22	23 15	2 30	2 47	S 4
M 5	3 12	26 12	3 41	6 1	1 38	14 35	7 10	0 38	0 41	0n 2	1 7	22 1	0 33	21 55	0 30	21 4	1 23	8 39	17 32	20 8	20 21	23 14	2 31	2 47	M 5
T 6	2 48	24 24	4 26	5 9	1 32	14 40	7 16	0 19	0 40	0 8	1 7	22 1	0 33	21 55	0 30	21 4	1 22	8 39	17 32	20 7	20 20	23 12	2 33	2 47	T 6
W 7	2 25	20 55	4 54	4 15	1 25	14 43	7 22	0 0	0 39	0 14	1 7	22 2	0 33	21 54	0 30	21 5	1 22	8 40	17 32	20 6	20 20	23 11	2 34	2 47	W 7
T 8	2 1	16 4	5 3	3 21	1 18	14 45	7 28	0n18	0 39	0 20	1 7	22 2	0 34	21 54	0 30	21 5	1 22	8 41	17 32	20 4	20 19	23 10	2 35	2 47	T 8
F 9	1 38	10 15	4 51	2 26	1 10	14 46	7 33	0 37	0 38	0 25	1 7	22 2	0 34	21 54	0 30	21 5	1 22	8 42	17 33	20 2	20 18	23 8	2 37	2 47	F 9
S 10	1 14	3 55	4 20	1 29	1 2	14 45	7 37	0 56	0 38	0 31	1 7	22 2	0 34	21 53	0 30	21 5	1 22	8 42	17 33	19 59	20 18	23 7	2 38	2 47	S 10
S 11	0 50	2s31	3 32	0 32	0 53	14 43	7 41	1 15	0 37	0 37	1 7	22 2	0 34	21 53	0 30	21 5	1 22	8 43	17 33	19 58	20 17	23 5	2 39	2 47	S 11
M12	0 27	8 40	2 32	0n25	0 44	14 39	7 45	1 33	0 37	0 43	1 7	22 3	0 34	21 53	0 30	21 5	1 22	8 44	17 33	19 56	20 16	23 4	2 41	2 46	M12
T 13	0 3	14 14	1 26	1 23	0 34	14 33	7 48	1 52	0 36	0 48	1 7	22 3	0 34	21 52	0 30	21 5	1 22	8 45	17 33	19 56	20 16	23 2	2 42	2 46	T 13
W14	0n20	18 57	0 16	2 22	0 24	14 26	7 50	2 10	0 35	0 54	1 7	22 3	0 34	21 52	0 30	21 6	1 22	8 45	17 34	19 55	20 15	23 1	2 44	2 46	W14
T 15	0 44	22 38	0s52	3 20	0 14	14 18	7 51	2 29	0 35	1 0	1 7	22 3	0 34	21 52	0 30	21 6	1 22	8 46	17 34	19 55	20 14	22 59	2 45	2 46	T 15
F 16	1 8	25 8	1 56	4 19	0 3	14 8	7 52	2 48	0 34	1 6	1 7	22 3	0 34	21 51	0 30	21 6	1 22	8 47	17 34	19 56	20 14	22 58	2 46	2 46	F 16
S 17	1 31	26 24	2 53	5 17	0n 8	13 57	7 51	3 6	0 34	1 11	1 7	22 3	0 34	21 51	0 30	21 6	1 22	8 48	17 34	19 56	20 13	22 57	2 48	2 46	S 17
S 18	1 55	26 23	3 42	6 14	0 20	13 44	7 51	3 24	0 33	1 17	1 7	22 3	0 34	21 51	0 30	21 6	1 22	8 48	17 34	19 56	20 12	22 55	2 49	2 46	S 18
M19	2 18	25 10	4 21	7 11	0 31	13 29	7 49	3 43	0 33	1 23	1 7	22 3	0 34	21 51	0 30	21 6	1 22	8 49	17 34	19 55	20 12	22 54	2 51	2 46	M19
T 20	2 42	22 50	4 48	8 7	0 43	13 14	7 46	4 1	0 32	1 29	1 7	22 3	0 34	21 50	0 30	21 7	1 22	8 50	17 35	19 54	20 11	22 52	2 52	2 46	T 20
W21	3 5	19 32	5 3	9 2	0 54	12 57	7 42	4 19	0 31	1 35	1 7	22 3	0 34	21 50	0 30	21 7	1 22	8 51	17 35	19 52	20 10	22 51	2 53	2 46	W21
T 22	3 28	15 24	5 5	9 55	1 6	12 38	7 38	4 38	0 31	1 40	1 7	22 3	0 34	21 50	0 30	21 7	1 22	8 51	17 35	19 51	20 10	22 49	2 55	2 46	T 22
F 23	3 52	10 37	4 54	10 46	1 17	12 19	7 33	4 56	0 30	1 46	1 7	22 3	0 34	21 50	0 30	21 7	1 22	8 52	17 35	19 49	20 9	22 48	2 56	2 46	F 23
S 24	4 15	5 20	4 28	11 36	1 28	11 59	7 27	5 14	0 30	1 52	1 7	22 3	0 34	21 49	0 30	21 7	1 22	8 53	17 35	19 47	20 8	22 46	2 58	2 46	S 24
S 25	4 38	0n14	3 50	12 24	1 38	11 37	7 20	5 32	0 29	1 57	1 7	22 3	0 34	21 49	0 30	21 8	1 22	8 53	17 35	19 45	20 7	22 45	2 59	2 46	S 25
M26	5 1	5 54	2 59	13 9	1 49	11 15	7 12	5 50	0 28	2 3	1 7	22 3	0 34	21 49	0 30	21 8	1 21	8 54	17 35	19 43	20 7	22 43	3 0	2 46	M26
T 27	5 24	11 25	1 58	13 52	1 58	10 52	7 3	6 8	0 28	2 9	1 7	22 3	0 34	21 49	0 30	21 8	1 21	8 55	17 35	19 42	20 6	22 42	3 2	2 46	T 27
W28	5 47	16 32	0 50	14 32	2 7	10 29	6 54	6 26	0 27	2 15	1 7	22 2	0 34	21 49	0 30	21 8	1 21	8 55	17 35	19 42	20 5	22 40	3 3	2 46	W28
T 29	6 9	20 55	0n22	15 10	2 16	10 5	6 44	6 43	0 27	2 20	1 7	22 2	0 34	21 48	0 30	21 8	1 21	8 56	17 35	19 42	20 5	22 38	3 5	2 46	T 29
F 30	6 32	24 15	1 34	15 45	2 24	9 41	6 33	7 1	0 26	2 26	1 7	22 2	0 34	21 48	0 30	21 9	1 21	8 57	17 35	19 42	20 4	22 37	3 6	2 46	F 30
S 31	6n55	26n13	2n41	16n18	2n31	9n17	6n22	7n18	0s25	2n32	1s 7	22n 2	0n34	21s48	0s31	21n 9	1s21	8n57	17n35	19n42	20n 3	22s35	3n 7	2n46	S 31

Julian Day Number = 2174027.5, Delta T = 12m04s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'40, Lahiri = 13°15'40 Julian Calendar 1 March 1240 == Greg. Calendar 8 March 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

APRIL 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 6 35	18♈30'17	12♋44	8♉17	8°R 6	20♈20	9♈10	23♋37	24♏34	13♊20	18°R34	27°R36	29♉ 7	9♒43	1♈32	S 1
M 2	13 10 32	19°28'47	26°51	9°24	7♈34	21° 5	9°24	23°39	24°35	13°21	18♎32	27♉36	29° 4	9°50	1°36	M 2
T 3	13 14 28	20°27'15	11♌ 8	10°26	7° 4	21°50	9°39	23°41	24°36	13°23	18°31	27°34	29° 0	9°56	1°39	T 3
W 4	13 18 25	21°25'41	25°33	11°23	6°36	22°34	9°53	23°42	24°37	13°24	18°29	27°31	28°57	10° 3	1°43	W 4
T 5	13 22 21	22°24'05	10♍ 2	12°15	6°10	23°18	10° 7	23°44	24°38	13°26	18°27	27°27	28°54	10°10	1°46	T 5
F 6	13 26 18	23°22'27	24°29	13° 1	5°46	24° 3	10°22	23°46	24°38	13°28	18°26	27°22	28°51	10°16	1°50	F 6
S 7	13 30 14	24°20'46	8♎49	13°41	5°24	24°47	10°36	23°48	24°39	13°29	18°24	27°17	28°48	10°23	1°53	S 7
S 8	13 34 11	25°19'04	22°56	14°16	5° 4	25°31	10°50	23°51	24°40	13°31	18°22	27°12	28°45	10°30	1°57	S 8
M 9	13 38 8	26°17'20	6♏45	14°45	4°47	26°16	11° 4	23°53	24°41	13°32	18°20	27° 9	28°41	10°37	2° 0	M 9
T 10	13 42 4	27°15'34	20°13	15° 9	4°32	27° 0	11°18	23°55	24°41	13°34	18°19	27° 8	28°38	10°43	2° 3	T 10
W11	13 46 1	28°13'47	3♐20	15°27	4°19	27°44	11°33	23°58	24°42	13°36	18°17	27°D 8	28°35	10°50	2° 7	W11
T 12	13 49 57	29°11'58	16° 6	15°39	4° 9	28°28	11°47	24° 0	24°42	13°37	18°15	27° 9	28°32	10°57	2°10	T 12
F 13	13 53 54	0♑10'07	28°33	15°46	4° 2	29°12	12° 1	24° 3	24°43	13°39	18°14	27°11	28°29	11° 3	2°13	F 13
S 14	13 57 50	1° 8'15	10♑45	15°R47	3°57	29°56	12°15	24° 6	24°43	13°41	18°12	27°12	28°26	11°10	2°17	S 14
S 15	14 1 47	2° 6'21	22°46	15°44	3°54	0♑40	12°29	24° 9	24°44	13°43	18°11	27°13	28°22	11°17	2°20	S 15
M16	14 5 43	3° 4'26	4♒40	15°35	3°D54	1°24	12°43	24°12	24°44	13°44	18° 9	27°R14	28°19	11°24	2°23	M16
T 17	14 9 40	4° 2'29	16°33	15°22	3°56	2° 8	12°57	24°15	24°44	13°46	18° 7	27°13	28°16	11°30	2°26	T 17
W18	14 13 37	5° 0'31	28°29	15° 4	4° 0	2°52	13°11	24°18	24°44	13°48	18° 6	27°11	28°13	11°37	2°30	W18
T 19	14 17 33	5°58'32	10♓32	14°42	4° 7	3°35	13°25	24°21	24°44	13°50	18° 4	27° 9	28°10	11°44	2°33	T 19
F 20	14 21 30	6°56'31	22°45	14°17	4°16	4°19	13°38	24°25	24°45	13°52	18° 2	27° 6	28° 6	11°50	2°36	F 20
S 21	14 25 26	7°54'29	5♈13	13°48	4°27	5° 3	13°52	24°28	24°45	13°53	18° 1	27° 3	28° 3	11°57	2°39	S 21
S 22	14 29 23	8°52'25	17°56	13°17	4°40	5°46	14° 6	24°32	24°R45	13°55	17°59	27° 0	28° 0	12° 4	2°42	S 22
M23	14 33 19	9°50'20	0♉56	12°43	4°55	6°30	14°20	24°36	24°45	13°57	17°58	26°58	27°57	12°11	2°45	M23
T 24	14 37 16	10°48'13	14°13	12° 9	5°12	7°13	14°33	24°39	24°44	13°59	17°56	26°57	27°54	12°17	2°48	T 24
W25	14 41 12	11°46'05	27°44	11°33	5°31	7°57	14°47	24°43	24°44	14° 1	17°55	26°D57	27°51	12°24	2°51	W25
T 26	14 45 9	12°43'55	11♊29	10°57	5°52	8°40	15° 1	24°47	24°44	14° 3	17°53	26°57	27°47	12°31	2°54	T 26
F 27	14 49 6	13°41'44	25°25	10°22	6°14	9°23	15°14	24°51	24°44	14° 5	17°52	26°58	27°44	12°38	2°57	F 27
S 28	14 53 2	14°39'31	9♋30	9°48	6°39	10° 6	15°28	24°55	24°44	14° 7	17°50	26°59	27°41	12°44	3° 0	S 28
S 29	14 56 59	15°37'17	23°40	9°15	7° 4	10°50	15°41	24°59	24°43	14° 9	17°49	27° 0	27°38	12°51	3° 3	S 29
M30	15 0 55	16♉35'00	7♌53	8♉45	7♈32	11♉33	15♈54	25♋ 4	24♏43	14♊11	17♎47	27♉ 0	27♉35	12♒58	3♈ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n17	26n35	3n41	16n48	2n37	8n53	6n10	7n36	0s25	2n37	1s 7	22n 2	0n34	21s48	0s31	21n 9	1s21	8n58	17n35	19n42	20n 3	22s34	3n 9	2n46
M 2	7 39	25 15	4 27	17 14	2 42	8 29	5 58	7 53	0 24	2 43	1 7	22 1	0 34	21 48	0 31	21 9	1 21	8 58	17 35	19 42	20 2	22 32	3 10	2 46
T 3	8 1	22 17	4 58	17 39	2 46	8 6	5 45	8 11	0 23	2 49	1 7	22 1	0 34	21 48	0 31	21 10	1 21	8 59	17 35	19 42	20 1	22 31	3 12	2 46
W 4	8 23	17 55	5 10	18 0	2 50	7 42	5 32	8 28	0 23	2 54	1 7	22 1	0 35	21 48	0 31	21 10	1 21	9 0	17 35	19 41	20 1	22 29	3 13	2 46
T 5	8 45	12 31	5 3	18 18	2 52	7 20	5 18	8 45	0 22	3 0	1 7	22 1	0 35	21 47	0 31	21 10	1 21	9 0	17 35	19 40	20 0	22 27	3 14	2 46
F 6	9 7	6 26	4 37	18 33	2 53	6 57	5 5	9 2	0 22	3 5	1 7	22 0	0 35	21 47	0 31	21 10	1 21	9 1	17 35	19 39	19 59	22 26	3 16	2 46
S 7	9 29	0 4	3 53	18 46	2 53	6 36	4 51	9 19	0 21	3 11	1 7	22 0	0 35	21 47	0 31	21 11	1 21	9 1	17 35	19 38	19 58	22 24	3 17	2 46
S 8	9 50	6s14	2 56	18 55	2 52	6 15	4 37	9 36	0 20	3 16	1 7	22 0	0 35	21 47	0 31	21 11	1 21	9 2	17 35	19 37	19 58	22 23	3 18	2 46
M 9	10 11	12 6	1 49	19 2	2 50	5 56	4 23	9 52	0 20	3 22	1 7	21 59	0 35	21 47	0 31	21 11	1 21	9 2	17 35	19 36	19 57	22 21	3 20	2 46
T 10	10 32	17 16	0 38	19 6	2 47	5 37	4 9	10 9	0 19	3 28	1 7	21 59	0 35	21 47	0 31	21 11	1 21	9 3	17 35	19 36	19 56	22 19	3 21	2 46
W11	10 53	21 28	0s34	19 7	2 42	5 19	3 55	10 25	0 18	3 33	1 7	21 58	0 35	21 47	0 31	21 11	1 21	9 3	17 35	19 36	19 56	22 18	3 22	2 46
T 12	11 14	24 30	1 42	19 5	2 36	5 2	3 41	10 42	0 18	3 39	1 7	21 58	0 35	21 47	0 31	21 12	1 21	9 4	17 35	19 36	19 55	22 16	3 24	2 46
F 13	11 35	26 16	2 44	19 0	2 29	4 46	3 27	10 58	0 17	3 44	1 7	21 58	0 35	21 47	0 31	21 12	1 21	9 4	17 34	19 37	19 54	22 15	3 25	2 46
S 14	11 55	26 42	3 37	18 53	2 21	4 32	3 13	11 14	0 17	3 49	1 8	21 57	0 35	21 47	0 31	21 12	1 21	9 5	17 34	19 37	19 54	22 13	3 26	2 46
S 15	12 15	25 52	4 19	18 42	2 11	4 18	2 59	11 30	0 16	3 55	1 8	21 57	0 35	21 47	0 31	21 12	1 21	9 5	17 34	19 37	19 53	22 11	3 28	2 46
M16	12 35	23 52	4 50	18 30	2 0	4 6	2 46	11 46	0 15	4 0	1 8	21 56	0 35	21 47	0 31	21 13	1 21	9 6	17 34	19 37	19 52	22 10	3 29	2 46
T 17	12 55	20 51	5 9	18 14	1 49	3 54	2 33	12 2	0 15	4 6	1 8	21 56	0 35	21 47	0 31	21 13	1 21	9 6	17 34	19 37	19 51	22 8	3 30	2 46
W18	13 15	16 57	5 14	17 57	1 36	3 44	2 20	12 18	0 14	4 11	1 8	21 55	0 35	21 47	0 31	21 13	1 20	9 7	17 34	19 37	19 51	22 6	3 32	2 46
T 19	13 34	12 22	5 6	17 37	1 22	3 35	2 7	12 33	0 13	4 16	1 8	21 55	0 35	21 47	0 31	21 13	1 20	9 7	17 33	19 36	19 50	22 5	3 33	2 46
F 20	13 53	7 13	4 43	17 15	1 7	3 27	1 55	12 49	0 13	4 22	1 8	21 54	0 35	21 47	0 31	21 14	1 20	9 8	17 33	19 36	19 49	22 3	3 34	2 46
S 21	14 12	1 42	4 8	16 52	0 51	3 20	1 42	13 4	0 12	4 27	1 8	21 53	0 35	21 47	0 31	21 14	1 20	9 8	17 33	19 35	19 49	22 1	3 35	2 46
S 22	14 31	4n 0	3 19	16 27	0 35	3 15	1 30	13 19	0 12	4 32	1 8	21 53	0 35	21 47	0 31	21 14	1 20	9 8	17 33	19 34	19 48	21 59	3 37	2 46
M23	14 49	9 41	2 19	16 1	0 18	3 10	1 19	13 34	0 11	4 38	1 8	21 52	0 35	21 47	0 31	21 14	1 20	9 9	17 33	19 34	19 47	21 58	3 38	2 46
T 24	15 8	15 4	1 10	15 34	0 1	3 6	1 7	13 49	0 10	4 43	1 8	21 52	0 35	21 47	0 31	21 15	1 20	9 9	17 32	19 33	19 46	21 56	3 39	2 46
W25	15 26	19 49	0n 4	15 6	0s16	3 4	0 56	14 4	0 10	4 48	1 8	21 51	0 35	21 47	0 31	21 15	1 20	9 9	17 32	19 33	19 46	21 54	3 40	2 46
T 26	15 43	23 34	1 20	14 38	0 34	3 2	0 46	14 18	0 9	4 53	1 8	21 50	0 35	21 47	0 31	21 15	1 20	9 10	17 32	19 33	19 45	21 53	3 42	2 46
F 27	16 1	25 58	2 31	14 11	0 51	3 1	0 35	14 33	0 8	4 59	1 8	21 49	0 35	21 47	0 31	21 16	1 20	9 10	17 32	19 34	19 44	21 51	3 43	2 46
S 28	16 18	26 45	3 34	13 44	1 8	3 2	0 25	14 47	0 8	5 4	1 8	21 49	0 35	21 47	0 31	21 16	1 20	9 10	17 31	19 34	19 44	21 49	3 44	2 46
S 29	16 35	25 48	4 24	13 18	1 25	3 3	0 15	15 1	0 7	5 9	1 8	21 48	0 35	21 47	0 31	21 16	1 20	9 10	17 31	19 34	19 43	21 47	3 45	2 46
M30	16n52	23n11	4n59	12n53	1s41	3n 5	0n 5	15n15	0s 6	5n14	1s 8	21n47	0n35	21s47	0s31	21n16	1s20	9n11	17n31	19n34	19n42	21s46	3n46	2n46

Julian Day Number = 2174058.5, Delta T = 12m03s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'44, Lahiri = 13°15'45 Julian Calendar 1 Apr. 1240 == Greg. Calendar 8 Apr. 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

MAY 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 4 52	17♉32'42	22♌ 7	8°R17	8♈ 1	12♉16	16♈ 8	25♋ 8	24°R42	14♊13	17°R46	27°R 0	27♉32	13♒ 4	3♈ 9	T 1
W 2	15 8 48	18°30'23	6♍20	7♉52	8°31	12°59	16°21	25°12	24♉42	14°15	17♎45	27♉ 0	27°28	13°11	3°11	W 2
T 3	15 12 45	19°28'01	20°27	7°31	9° 3	13°42	16°34	25°17	24°41	14°17	17°43	26°59	27°25	13°18	3°14	T 3
F 4	15 16 41	20°25'38	4♎28	7°13	9°36	14°25	16°48	25°22	24°41	14°19	17°42	26°59	27°22	13°25	3°17	F 4
S 5	15 20 38	21°23'14	18°20	6°59	10°11	15° 8	17° 1	25°26	24°40	14°21	17°40	26°58	27°19	13°31	3°20	S 5
S 6	15 24 35	22°20'48	1♏59	6°50	10°46	15°51	17°14	25°31	24°40	14°24	17°39	26°57	27°16	13°38	3°22	S 6
M 7	15 28 31	23°18'21	15°24	6°45	11°23	16°33	17°27	25°36	24°39	14°26	17°38	26°57	27°12	13°45	3°25	M 7
T 8	15 32 28	24°15'52	28°34	6°D44	12° 1	17°16	17°40	25°41	24°38	14°28	17°37	26°D57	27° 9	13°51	3°27	T 8
W 9	15 36 24	25°13'23	11♐28	6°48	12°41	17°59	17°53	25°46	24°37	14°30	17°35	26°57	27° 6	13°58	3°30	W 9
T 10	15 40 21	26°10'53	24° 5	6°56	13°21	18°41	18° 5	25°51	24°36	14°32	17°34	26°57	27° 3	14° 5	3°32	T 10
F 11	15 44 17	27° 8'21	6♑28	7° 9	14° 2	19°24	18°18	25°56	24°36	14°34	17°33	26°R57	27° 0	14°12	3°35	F 11
S 12	15 48 14	28° 5'49	18°39	7°26	14°45	20° 6	18°31	26° 1	24°35	14°36	17°32	26°57	26°57	14°18	3°37	S 12
S 13	15 52 11	29° 3'16	0♒40	7°48	15°28	20°49	18°43	26° 6	24°34	14°38	17°31	26°57	26°53	14°25	3°40	S 13
M14	15 56 7	0♊ 0'42	12°35	8°14	16°12	21°31	18°56	26°12	24°33	14°41	17°29	26°57	26°50	14°32	3°42	M14
T 15	16 0 4	0°58'07	24°28	8°44	16°57	22°14	19° 9	26°17	24°32	14°43	17°28	26°57	26°47	14°38	3°44	T 15
W16	16 4 0	1°55'31	6♓24	9°19	17°43	22°56	19°21	26°23	24°30	14°45	17°27	26°D57	26°44	14°45	3°47	W16
T 17	16 7 57	2°52'55	18°27	9°57	18°30	23°38	19°33	26°28	24°29	14°47	17°26	26°57	26°41	14°52	3°49	T 17
F 18	16 11 53	3°50'18	0♈42	10°40	19°18	24°20	19°46	26°34	24°28	14°49	17°25	26°57	26°37	14°59	3°51	F 18
S 19	16 15 50	4°47'41	13°13	11°26	20° 6	25° 3	19°58	26°39	24°27	14°52	17°24	26°58	26°34	15° 5	3°53	S 19
S 20	16 19 46	5°45'03	26° 2	12°16	20°55	25°45	20°10	26°45	24°26	14°54	17°23	26°59	26°31	15°12	3°55	S 20
M21	16 23 43	6°42'24	9♉12	13°10	21°45	26°27	20°22	26°51	24°24	14°56	17°22	26°59	26°28	15°19	3°57	M21
T 22	16 27 39	7°39'45	22°44	14° 8	22°35	27° 9	20°34	26°57	24°23	14°58	17°21	27°R 0	26°25	15°26	3°59	T 22
W23	16 31 36	8°37'05	6♊37	15° 9	23°26	27°51	20°46	27° 3	24°21	15° 0	17°20	27° 0	26°22	15°32	4° 1	W23
T 24	16 35 33	9°34'24	20°47	16°13	24°18	28°33	20°58	27° 9	24°20	15° 3	17°19	26°59	26°18	15°39	4° 3	T 24
F 25	16 39 29	10°31'43	5♋11	17°21	25°11	29°15	21° 9	27°15	24°18	15° 5	17°19	26°58	26°15	15°46	4° 5	F 25
S 26	16 43 26	11°29'01	19°42	18°32	26° 3	29°56	21°21	27°21	24°17	15° 7	17°18	26°56	26°12	15°52	4° 7	S 26
S 27	16 47 22	12°26'18	4♌16	19°47	26°57	0♊38	21°33	27°27	24°15	15° 9	17°17	26°54	26° 9	15°59	4° 9	S 27
M28	16 51 19	13°23'34	18°45	21° 4	27°51	1°20	21°44	27°33	24°14	15°12	17°16	26°53	26° 6	16° 6	4°11	M28
T 29	16 55 15	14°20'49	3♍ 7	22°25	28°45	2° 1	21°55	27°40	24°12	15°14	17°15	26°52	26° 3	16°13	4°12	T 29
W30	16 59 12	15°18'04	17°17	23°50	29°40	2°43	22° 7	27°46	24°11	15°16	17°15	26°D51	25°59	16°19	4°14	W30
T 31	17 3 9	16♊15'17	1♎14	25♉17	0♉36	3♊25	22♈18	27♋52	24♑ 9	15♊18	17♎14	26♉52	25♉56	16♒26	4♈15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	17n 8	19n 9	5n15	12n30	1s56	3n 8	0s 4	15n29	0s 6	5n19	1s 9	21n47	0n35	21s47	0s32	21n17	1s20	9n11	17n30	19n34	19n41	21s44	3n47	2n46	T 1
W 2	17 24	14 3	5 12	12 8	2 10	3 12	0 13	15 43	0 5	5 24	1 9	21 46	0 35	21 48	0 32	21 17	1 20	9 11	17 30	19 34	19 41	21 42	3 49	2 46	W 2
T 3	17 40	8 14	4 50	11 48	2 24	3 16	0 21	15 57	0 5	5 29	1 9	21 45	0 35	21 48	0 32	21 17	1 20	9 11	17 30	19 34	19 40	21 40	3 50	2 46	T 3
F 4	17 56	2 3	4 11	11 31	2 37	3 22	0 30	16 10	0 4	5 34	1 9	21 44	0 35	21 48	0 32	21 17	1 20	9 12	17 29	19 34	19 39	21 39	3 51	2 46	F 4
S 5	18 11	4s10	3 18	11 15	2 48	3 28	0 38	16 23	0 3	5 39	1 9	21 43	0 35	21 48	0 32	21 18	1 20	9 12	17 29	19 34	19 38	21 37	3 52	2 46	S 5
S 6	18 26	10 7	2 14	11 2	2 59	3 35	0 46	16 36	0 3	5 44	1 9	21 42	0 36	21 48	0 32	21 18	1 20	9 12	17 29	19 34	19 38	21 35	3 53	2 46	S 6
M 7	18 41	15 31	1 4	10 52	3 8	3 42	0 53	16 49	0 2	5 49	1 9	21 42	0 36	21 48	0 32	21 18	1 20	9 12	17 28	19 33	19 37	21 33	3 54	2 46	M 7
T 8	18 55	20 4	0s 9	10 43	3 17	3 51	1 1	17 2	0 1	5 54	1 9	21 41	0 36	21 48	0 32	21 18	1 20	9 12	17 28	19 33	19 36	21 32	3 55	2 46	T 8
W 9	19 9	23 34	1 20	10 38	3 24	3 59	1 8	17 15	0 1	5 59	1 9	21 40	0 36	21 49	0 32	21 19	1 20	9 12	17 28	19 33	19 36	21 30	3 56	2 46	W 9
T 10	19 23	25 49	2 25	10 35	3 30	4 9	1 14	17 27	0 0	6 3	1 9	21 39	0 36	21 49	0 32	21 19	1 20	9 12	17 27	19 34	19 35	21 28	3 57	2 46	T 10
F 11	19 36	26 44	3 22	10 34	3 35	4 19	1 21	17 40	0n 1	6 8	1 9	21 38	0 36	21 49	0 32	21 19	1 20	9 13	17 27	19 34	19 34	21 26	3 58	2 46	F 11
S 12	19 49	26 20	4 9	10 36	3 39	4 30	1 27	17 52	0 1	6 13	1 10	21 37	0 36	21 49	0 32	21 20	1 20	9 13	17 27	19 33	19 33	21 24	3 59	2 47	S 12
S 13	20 2	24 43	4 44	10 40	3 42	4 41	1 33	18 4	0 2	6 18	1 10	21 36	0 36	21 49	0 32	21 20	1 20	9 13	17 26	19 33	19 33	21 22	4 0	2 47	S 13
M14	20 14	22 0	5 7	10 46	3 44	4 53	1 39	18 15	0 2	6 22	1 10	21 35	0 36	21 50	0 32	21 20	1 20	9 13	17 26	19 33	19 32	21 21	4 1	2 47	M14
T 15	20 26	18 23	5 16	10 55	3 45	5 5	1 44	18 27	0 3	6 27	1 10	21 34	0 36	21 50	0 32	21 20	1 20	9 13	17 25	19 33	19 31	21 19	4 2	2 47	T 15
W16	20 38	14 2	5 12	11 6	3 45	5 18	1 50	18 39	0 4	6 32	1 10	21 33	0 36	21 50	0 32	21 21	1 20	9 13	17 25	19 33	19 30	21 17	4 3	2 47	W16
T 17	20 49	9 6	4 55	11 18	3 45	5 31	1 55	18 50	0 4	6 36	1 10	21 32	0 36	21 50	0 32	21 21	1 20	9 13	17 24	19 33	19 30	21 15	4 4	2 47	T 17
F 18	21 0	3 45	4 24	11 33	3 43	5 45	1 59	19 1	0 5	6 41	1 10	21 31	0 36	21 50	0 32	21 21	1 20	9 13	17 24	19 34	19 29	21 13	4 5	2 47	F 18
S 19	21 11	1n52	3 39	11 50	3 41	5 59	2 4	19 12	0 6	6 45	1 10	21 30	0 36	21 51	0 32	21 21	1 20	9 13	17 24	19 34	19 28	21 11	4 6	2 47	S 19
S 20	21 21	7 34	2 43	12 8	3 37	6 13	2 8	19 23	0 6	6 50	1 10	21 29	0 36	21 51	0 32	21 22	1 20	9 13	17 23	19 34	19 27	21 10	4 7	2 47	S 20
M21	21 31	13 5	1 37	12 28	3 33	6 28	2 12	19 33	0 7	6 54	1 11	21 28	0 36	21 51	0 32	21 22	1 20	9 13	17 23	19 34	19 27	21 8	4 8	2 47	M21
T 22	21 41	18 9	0 24	12 50	3 28	6 43	2 16	19 43	0 7	6 58	1 11	21 27	0 36	21 52	0 32	21 22	1 20	9 12	17 22	19 34	19 26	21 6	4 9	2 47	T 22
W23	21 50	22 22	0n53	13 13	3 23	6 58	2 20	19 54	0 8	7 3	1 11	21 26	0 36	21 52	0 32	21 22	1 20	9 12	17 22	19 34	19 25	21 4	4 10	2 47	W23
T 24	21 59	25 20	2 8	13 37	3 17	7 14	2 24	20 4	0 9	7 7	1 11	21 25	0 36	21 52	0 32	21 23	1 20	9 12	17 21	19 34	19 24	21 2	4 11	2 47	T 24
F 25	22 7	26 42	3 16	14 2	3 10	7 30	2 27	20 13	0 9	7 11	1 11	21 23	0 36	21 52	0 32	21 23	1 20	9 12	17 21	19 34	19 24	21 0	4 11	2 47	F 25
S 26	22 15	26 14	4 11	14 29	3 3	7 47	2 30	20 23	0 10	7 16	1 11	21 22	0 36	21 53	0 32	21 23	1 20	9 12	17 20	19 33	19 23	20 58	4 12	2 47	S 26
S 27	22 23	23 59	4 51	14 57	2 55	8 3	2 33	20 33	0 11	7 20	1 11	21 21	0 36	21 53	0 32	21 23	1 20	9 12	17 20	19 33	19 22	20 56	4 13	2 48	S 27
M28	22 30	20 12	5 12	15 25	2 46	8 20	2 36	20 42	0 11	7 24	1 11	21 20	0 36	21 53	0 32	21 24	1 20	9 12	17 19	19 32	19 21	20 54	4 14	2 48	M28
T 29	22 37	15 16	5 13	15 55	2 37	8 37	2 38	20 51	0 12	7 28	1 12	21 19	0 36	21 54	0 32	21 24	1 20	9 11	17 19	19 32	19 21	20 52	4 14	2 48	T 29
W30	22 43	9 34	4 56	16 25	2 28	8 54	2 41	21 0	0 13	7 32	1 12	21 17	0 36	21 54	0 32	21 24	1 20	9 11	17 18	19 32	19 20	20 51	4 15	2 48	W30
T 31	22n50	3n29	4n20	16n56	2s18	9n11	2s43	21n 8	0n13	7n36	1s12	21n16	0n37	21s54	0s32	21n24	1s20	9n11	17n18	19n32	19n19	20s49	4n16	2n48	T 31

Julian Day Number = 2174088.5, Delta T = 12m03s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'48, Lahiri = 13°15'49 Julian Calendar 1 May 1240 == Greg. Calendar 8 May 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

JUNE 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 7 5	17♊12'30	14♎57	26♉47	1♉32	4♊ 6	22♈29	27♋59	24°R 7	15♊21	17°R14	26♉53	25♉53	16♒33	4♈17	F 1
S 2	17 11 2	18° 9'42	28°25	28°21	2°28	4°48	22°40	28° 5	24♑ 5	15°23	17♎13	26°54	25°50	16°39	4°19	S 2
S 3	17 14 58	19° 6'53	11♏40	29°57	3°25	5°29	22°51	28°12	24° 3	15°25	17°12	26°56	25°47	16°46	4°20	S 3
M 4	17 18 55	20° 4'04	24°41	1♊37	4°22	6°10	23° 2	28°18	24° 2	15°27	17°12	26°R56	25°43	16°53	4°21	M 4
T 5	17 22 51	21° 1'15	7♐29	3°20	5°20	6°52	23°12	28°25	24° 0	15°30	17°11	26°56	25°40	17° 0	4°23	T 5
W 6	17 26 48	21°58'25	20° 5	5° 5	6°18	7°33	23°23	28°32	23°58	15°32	17°11	26°54	25°37	17° 6	4°24	W 6
T 7	17 30 44	22°55'35	2♑30	6°54	7°16	8°14	23°33	28°39	23°56	15°34	17°10	26°51	25°34	17°13	4°25	T 7
F 8	17 34 41	23°52'45	14°45	8°45	8°15	8°55	23°44	28°45	23°54	15°36	17°10	26°48	25°31	17°20	4°27	F 8
S 9	17 38 38	24°49'55	26°50	10°39	9°14	9°36	23°54	28°52	23°52	15°38	17°10	26°43	25°28	17°27	4°28	S 9
S 10	17 42 34	25°47'04	8♒49	12°35	10°14	10°17	24° 4	28°59	23°50	15°41	17° 9	26°38	25°24	17°33	4°29	S 10
M11	17 46 31	26°44'14	20°43	14°34	11°14	10°58	24°14	29° 6	23°48	15°43	17° 9	26°34	25°21	17°40	4°30	M11
T 12	17 50 27	27°41'23	2♓35	16°35	12°14	11°39	24°24	29°13	23°46	15°45	17° 9	26°30	25°18	17°47	4°31	T 12
W13	17 54 24	28°38'33	14°30	18°38	13°15	12°20	24°34	29°20	23°44	15°47	17° 8	26°28	25°15	17°53	4°32	W13
T 14	17 58 20	29°35'43	26°31	20°43	14°15	13° 1	24°44	29°27	23°42	15°49	17° 8	26°D27	25°12	18° 0	4°33	T 14
F 15	18 2 17	0♋32'53	8♈44	22°50	15°17	13°42	24°54	29°34	23°40	15°52	17° 8	26°27	25° 9	18° 7	4°34	F 15
S 16	18 6 13	1°30'04	21°13	24°57	16°18	14°23	25° 3	29°41	23°38	15°54	17° 8	26°28	25° 5	18°14	4°34	S 16
S 17	18 10 10	2°27'15	4♉ 2	27° 6	17°20	15° 3	25°12	29°48	23°35	15°56	17° 8	26°30	25° 2	18°20	4°35	S 17
M18	18 14 7	3°24'26	17°15	29°15	18°22	15°44	25°22	29°55	23°33	15°58	17° 8	26°31	24°59	18°27	4°36	M18
T 19	18 18 3	4°21'37	0♊53	1♋25	19°24	16°25	25°31	0♌ 2	23°31	16° 0	17° 8	26°R31	24°56	18°34	4°36	T 19
W20	18 22 0	5°18'49	14°58	3°35	20°27	17° 5	25°40	0°10	23°29	16° 2	17°D 8	26°30	24°53	18°41	4°37	W20
T 21	18 25 56	6°16'02	29°26	5°45	21°30	17°46	25°49	0°17	23°26	16° 5	17° 8	26°27	24°49	18°47	4°38	T 21
F 22	18 29 53	7°13'14	14♋12	7°54	22°33	18°26	25°57	0°24	23°24	16° 7	17° 8	26°22	24°46	18°54	4°38	F 22
S 23	18 33 49	8°10'27	29° 8	10° 3	23°36	19° 7	26° 6	0°32	23°22	16° 9	17° 8	26°16	24°43	19° 1	4°39	S 23
S 24	18 37 46	9° 7'40	14♌ 7	12°10	24°39	19°47	26°15	0°39	23°20	16°11	17° 8	26°10	24°40	19° 7	4°39	S 24
M25	18 41 43	10° 4'53	28°58	14°17	25°43	20°27	26°23	0°46	23°17	16°13	17° 8	26° 4	24°37	19°14	4°39	M25
T 26	18 45 39	11° 2'06	13♍35	16°23	26°47	21° 8	26°31	0°54	23°15	16°15	17° 8	26° 0	24°34	19°21	4°40	T 26
W27	18 49 36	11°59'19	27°52	18°27	27°51	21°48	26°39	1° 1	23°13	16°17	17° 8	25°57	24°30	19°28	4°40	W27
T 28	18 53 32	12°56'32	11♎49	20°30	28°56	22°28	26°47	1° 9	23°10	16°19	17° 9	25°D56	24°27	19°34	4°40	T 28
F 29	18 57 29	13°53'46	25°24	22°31	0♊ 0	23° 8	26°55	1°16	23° 8	16°21	17° 9	25°57	24°24	19°41	4°40	F 29
S 30	19 1 25	14♋50'59	8♏39	24♋30	1♊ 5	23♊48	27♈ 3	1♌23	23♑ 6	16♊23	17♎ 9	25♉58	24♉21	19♒48	4♈40	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n55	2s40	3n31	17n27	2s 8	9n29	2s45	21n17	0n14	7n40	1s12	21n15	0n37	21s55	0s32	21n25	1s20	9n11	17n17	19n33	19n18	20s47	4n17	2n48
S 2	23 1	8 37	2 31	17 58	1 57	9 46	2 47	21 25	0 14	7 44	1 12	21 14	0 37	21 55	0 32	21 25	1 20	9 10	17 17	19 33	19 18	20 45	4 17	2 48
S 3	23 5	14 5	1 23	18 29	1 47	10 4	2 48	21 33	0 15	7 48	1 12	21 12	0 37	21 55	0 32	21 25	1 20	9 10	17 16	19 33	19 17	20 43	4 18	2 48
M 4	23 10	18 49	0 12	19 1	1 35	10 22	2 50	21 41	0 16	7 52	1 12	21 11	0 37	21 56	0 32	21 25	1 20	9 10	17 16	19 33	19 16	20 41	4 19	2 48
T 5	23 14	22 36	0s58	19 32	1 24	10 40	2 51	21 49	0 16	7 56	1 13	21 10	0 37	21 56	0 33	21 26	1 20	9 10	17 15	19 33	19 15	20 39	4 19	2 48
W 6	23 18	25 13	2 4	20 3	1 12	10 58	2 52	21 56	0 17	8 0	1 13	21 8	0 37	21 56	0 33	21 26	1 20	9 9	17 15	19 33	19 15	20 37	4 20	2 48
T 7	23 21	26 34	3 3	20 33	1 1	11 16	2 53	22 4	0 17	8 3	1 13	21 7	0 37	21 57	0 33	21 26	1 20	9 9	17 14	19 32	19 14	20 35	4 20	2 48
F 8	23 24	26 34	3 52	21 3	0 49	11 34	2 54	22 11	0 18	8 7	1 13	21 6	0 37	21 57	0 33	21 26	1 20	9 9	17 13	19 31	19 13	20 33	4 21	2 49
S 9	23 26	25 18	4 31	21 31	0 37	11 52	2 55	22 17	0 19	8 11	1 13	21 4	0 37	21 57	0 33	21 27	1 19	9 8	17 13	19 30	19 12	20 31	4 21	2 49
S 10	23 28	22 54	4 57	21 59	0 26	12 10	2 56	22 24	0 19	8 14	1 13	21 3	0 37	21 58	0 33	21 27	1 19	9 8	17 12	19 29	19 12	20 29	4 22	2 49
M11	23 30	19 33	5 10	22 25	0 14	12 28	2 56	22 31	0 20	8 18	1 14	21 2	0 37	21 58	0 33	21 27	1 19	9 7	17 12	19 28	19 11	20 27	4 22	2 49
T 12	23 31	15 25	5 10	22 49	0 3	12 46	2 56	22 37	0 21	8 21	1 14	21 0	0 37	21 58	0 33	21 27	1 20	9 7	17 11	19 27	19 10	20 25	4 23	2 49
W13	23 32	10 41	4 57	23 12	0n 9	13 5	2 56	22 43	0 21	8 25	1 14	20 59	0 37	21 59	0 33	21 28	1 20	9 7	17 11	19 27	19 9	20 23	4 23	2 49
T 14	23 32	5 31	4 30	23 32	0 19	13 23	2 56	22 49	0 22	8 28	1 14	20 57	0 37	21 59	0 33	21 28	1 20	9 6	17 10	19 26	19 9	20 21	4 24	2 49
F 15	23 32	0 4	3 51	23 50	0 30	13 40	2 56	22 55	0 22	8 32	1 14	20 56	0 37	22 0	0 33	21 28	1 20	9 6	17 10	19 26	19 8	20 19	4 24	2 49
S 16	23 32	5n31	3 0	24 6	0 40	13 58	2 56	23 0	0 23	8 35	1 14	20 55	0 37	22 0	0 33	21 28	1 20	9 5	17 9	19 27	19 7	20 17	4 25	2 49
S 17	23 31	11 3	1 59	24 20	0 49	14 16	2 56	23 5	0 24	8 38	1 15	20 53	0 37	22 0	0 33	21 28	1 20	9 5	17 8	19 27	19 6	20 15	4 25	2 49
M18	23 30	16 15	0 50	24 30	0 58	14 34	2 55	23 10	0 24	8 41	1 15	20 52	0 37	22 1	0 33	21 29	1 20	9 4	17 8	19 27	19 6	20 13	4 25	2 49
T 19	23 28	20 48	0n24	24 38	1 6	14 51	2 55	23 15	0 25	8 45	1 15	20 50	0 37	22 1	0 33	21 29	1 20	9 4	17 7	19 27	19 5	20 11	4 26	2 50
W20	23 26	24 19	1 38	24 43	1 14	15 8	2 54	23 20	0 25	8 48	1 15	20 49	0 38	22 2	0 33	21 29	1 20	9 3	17 7	19 27	19 4	20 9	4 26	2 50
T 21	23 23	26 21	2 49	24 46	1 21	15 26	2 53	23 24	0 26	8 51	1 15	20 47	0 38	22 2	0 33	21 29	1 20	9 3	17 6	19 26	19 3	20 7	4 26	2 50
F 22	23 20	26 35	3 49	24 45	1 27	15 43	2 52	23 29	0 27	8 54	1 15	20 46	0 38	22 2	0 33	21 30	1 20	9 2	17 5	19 25	19 2	20 5	4 27	2 50
S 23	23 17	24 54	4 35	24 42	1 33	15 59	2 51	23 33	0 27	8 57	1 16	20 44	0 38	22 3	0 33	21 30	1 20	9 1	17 5	19 24	19 2	20 3	4 27	2 50
S 24	23 13	21 28	5 2	24 36	1 37	16 16	2 50	23 36	0 28	9 0	1 16	20 43	0 38	22 3	0 33	21 30	1 20	9 1	17 4	19 22	19 1	20 1	4 27	2 50
M25	23 9	16 41	5 8	24 27	1 41	16 32	2 49	23 40	0 28	9 3	1 16	20 41	0 38	22 4	0 33	21 30	1 20	9 0	17 4	19 21	19 0	19 58	4 27	2 50
T 26	23 5	11 0	4 54	24 15	1 44	16 48	2 47	23 43	0 29	9 5	1 16	20 40	0 38	22 4	0 33	21 30	1 20	9 0	17 3	19 20	18 59	19 56	4 28	2 50
W27	23 0	4 51	4 22	24 2	1 47	17 4	2 46	23 47	0 30	9 8	1 16	20 38	0 38	22 4	0 33	21 31	1 20	8 59	17 3	19 19	18 59	19 54	4 28	2 50
T 28	22 54	1s23	3 35	23 45	1 49	17 20	2 44	23 50	0 30	9 11	1 17	20 36	0 38	22 5	0 33	21 31	1 20	8 58	17 2	19 19	18 58	19 52	4 28	2 50
F 29	22 49	7 25	2 37	23 27	1 50	17 35	2 42	23 52	0 31	9 13	1 17	20 35	0 38	22 5	0 33	21 31	1 20	8 58	17 1	19 19	18 57	19 50	4 28	2 50
S 30	22n42	12s59	1n32	23n 7	1n50	17n50	2s41	23n55	0n31	9n16	1s17	20n33	0n38	22s 6	0s33	21n31	1s20	8n57	17n 1	19n20	18n56	19s48	4n28	2n51

Julian Day Number = 2174119.5, Delta T = 12m03s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'53, Lahiri = 13°15'53 Julian Calendar 1 June 1240 == Greg. Calendar 8 June 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

JULY 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 5 22	15♋48'13	21♏36	26♋28	2♊10	24♊28	27♈10	1♌31	23°R 3	16♊25	17♎10	25°R59	24♉18	19♒54	4°R40	S 1
M 2	19 9 18	16°45'27	4♐19	28°24	3°15	25° 8	27°18	1°39	23♉ 1	16°27	17°10	25♉59	24°15	20° 1	4♈40	M 2
T 3	19 13 15	17°42'42	16°50	0♌19	4°20	25°48	27°25	1°46	22°58	16°29	17°11	25°56	24°11	20° 8	4°40	T 3
W 4	19 17 12	18°39'57	29°10	2°12	5°26	26°28	27°32	1°54	22°56	16°31	17°11	25°52	24° 8	20°15	4°40	W 4
T 5	19 21 8	19°37'13	11♑22	4° 3	6°31	27° 8	27°39	2° 1	22°54	16°33	17°11	25°45	24° 5	20°21	4°40	T 5
F 6	19 25 5	20°34'29	23°27	5°52	7°37	27°48	27°46	2° 9	22°51	16°35	17°12	25°37	24° 2	20°28	4°39	F 6
S 7	19 29 1	21°31'46	5♒26	7°39	8°43	28°28	27°52	2°16	22°49	16°37	17°13	25°26	23°59	20°35	4°39	S 7
S 8	19 32 58	22°29'03	17°21	9°25	9°50	29° 7	27°59	2°24	22°46	16°39	17°13	25°16	23°56	20°42	4°39	S 8
M 9	19 36 54	23°26'22	29°13	11° 9	10°56	29°47	28° 5	2°32	22°44	16°41	17°14	25° 6	23°52	20°48	4°38	M 9
T 10	19 40 51	24°23'41	11♓ 5	12°52	12° 3	0♋27	28°11	2°39	22°42	16°43	17°14	24°57	23°49	20°55	4°38	T 10
W11	19 44 47	25°21'02	22°59	14°32	13° 9	1° 6	28°17	2°47	22°39	16°45	17°15	24°50	23°46	21° 2	4°37	W11
T 12	19 48 44	26°18'23	5♈ 0	16°11	14°16	1°46	28°23	2°55	22°37	16°46	17°16	24°45	23°43	21° 8	4°37	T 12
F 13	19 52 41	27°15'46	17°11	17°49	15°23	2°25	28°29	3° 2	22°34	16°48	17°17	24°43	23°40	21°15	4°36	F 13
S 14	19 56 37	28°13'10	29°36	19°24	16°30	3° 5	28°34	3°10	22°32	16°50	17°17	24°D43	23°36	21°22	4°35	S 14
S 15	20 0 34	29°10'35	12♉21	20°58	17°38	3°44	28°40	3°18	22°30	16°52	17°18	24°43	23°33	21°29	4°35	S 15
M16	20 4 30	0♌ 8'01	25°29	22°30	18°45	4°24	28°45	3°25	22°27	16°53	17°19	24°R43	23°30	21°35	4°34	M16
T 17	20 8 27	1° 5'29	9♊ 5	24° 0	19°53	5° 3	28°50	3°33	22°25	16°55	17°20	24°43	23°27	21°42	4°33	T 17
W18	20 12 23	2° 2'58	23°10	25°29	21° 1	5°42	28°55	3°41	22°23	16°57	17°21	24°40	23°24	21°49	4°32	W18
T 19	20 16 20	3° 0'28	7♋43	26°56	22° 9	6°22	28°59	3°49	22°20	16°59	17°22	24°34	23°21	21°56	4°31	T 19
F 20	20 20 16	3°58'00	22°39	28°21	23°17	7° 1	29° 4	3°56	22°18	17° 0	17°23	24°27	23°17	22° 2	4°30	F 20
S 21	20 24 13	4°55'33	7♌51	29°45	24°25	7°40	29° 8	4° 4	22°16	17° 2	17°24	24°17	23°14	22° 9	4°29	S 21
S 22	20 28 10	5°53'06	23° 7	1♍ 6	25°33	8°19	29°12	4°12	22°13	17° 4	17°25	24° 7	23°11	22°16	4°28	S 22
M23	20 32 6	6°50'41	8♍16	2°26	26°42	8°58	29°16	4°19	22°11	17° 5	17°26	23°58	23° 8	22°22	4°27	M23
T 24	20 36 3	7°48'17	23°10	3°44	27°50	9°37	29°20	4°27	22° 9	17° 7	17°27	23°50	23° 5	22°29	4°26	T 24
W25	20 39 59	8°45'53	7♎40	5° 0	28°59	10°16	29°23	4°35	22° 6	17° 8	17°28	23°44	23° 1	22°36	4°24	W25
T 26	20 43 56	9°43'31	21°44	6°14	0♋ 8	10°55	29°27	4°42	22° 4	17°10	17°30	23°41	22°58	22°43	4°23	T 26
F 27	20 47 52	10°41'10	5♏21	7°26	1°17	11°34	29°30	4°50	22° 2	17°11	17°31	23°40	22°55	22°49	4°22	F 27
S 28	20 51 49	11°38'50	18°33	8°35	2°26	12°13	29°33	4°58	22° 0	17°13	17°32	23°40	22°52	22°56	4°20	S 28
S 29	20 55 45	12°36'30	1♐23	9°43	3°35	12°52	29°36	5° 5	21°57	17°14	17°33	23°40	22°49	23° 3	4°19	S 29
M30	20 59 42	13°34'12	13°56	10°48	4°44	13°30	29°39	5°13	21°55	17°16	17°35	23°39	22°46	23°10	4°17	M30
T 31	21 3 39	14♌31'56	26♐15	11♍50	5♋53	14♋ 9	29♈41	5♌21	21♉53	17♊17	17♎36	23♉35	22♉42	23♒16	4♈16	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n36	17s52	0n24	22n44	1n50	18n 5	2s39	23n57	0n32	9n18	1s17	20n32	0n38	22s 6	0s33	21n31	1s20	8n56	17n 0	19n20	18n55	19s46	4n28	2n51
M 2	22 29	21 50	0s45	22 20	1 49	18 20	2 37	24 0	0 33	9 21	1 17	20 30	0 38	22 7	0 33	21 32	1 20	8 56	17 0	19 20	18 55	19 44	4 28	2 51
T 3	22 22	24 42	1 50	21 55	1 47	18 34	2 35	24 2	0 33	9 23	1 18	20 28	0 38	22 7	0 33	21 32	1 20	8 55	16 59	19 19	18 54	19 42	4 28	2 51
W 4	22 14	26 20	2 48	21 27	1 45	18 47	2 33	24 3	0 34	9 26	1 18	20 27	0 38	22 7	0 33	21 32	1 20	8 54	16 58	19 18	18 53	19 40	4 28	2 51
T 5	22 6	26 41	3 38	20 59	1 42	19 1	2 31	24 5	0 34	9 28	1 18	20 25	0 39	22 8	0 33	21 32	1 20	8 54	16 58	19 17	18 52	19 37	4 28	2 51
F 6	21 57	25 44	4 18	20 29	1 39	19 14	2 28	24 6	0 35	9 30	1 18	20 23	0 39	22 8	0 33	21 32	1 20	8 53	16 57	19 15	18 51	19 35	4 28	2 51
S 7	21 49	23 36	4 46	19 58	1 35	19 27	2 26	24 7	0 36	9 32	1 18	20 22	0 39	22 9	0 33	21 32	1 20	8 52	16 57	19 12	18 51	19 33	4 28	2 51
S 8	21 39	20 28	5 1	19 26	1 31	19 39	2 24	24 8	0 36	9 35	1 19	20 20	0 39	22 9	0 33	21 33	1 20	8 51	16 56	19 10	18 50	19 31	4 28	2 51
M 9	21 30	16 31	5 3	18 53	1 26	19 51	2 21	24 9	0 37	9 37	1 19	20 18	0 39	22 9	0 33	21 33	1 20	8 51	16 56	19 7	18 49	19 29	4 28	2 51
T 10	21 20	11 56	4 52	18 19	1 21	20 2	2 19	24 10	0 37	9 39	1 19	20 17	0 39	22 10	0 33	21 33	1 20	8 50	16 55	19 5	18 48	19 27	4 28	2 51
W11	21 9	6 54	4 28	17 44	1 15	20 13	2 16	24 10	0 38	9 41	1 19	20 15	0 39	22 10	0 33	21 33	1 20	8 49	16 54	19 3	18 48	19 24	4 28	2 52
T 12	20 59	1 34	3 53	17 9	1 9	20 24	2 13	24 10	0 39	9 42	1 19	20 13	0 39	22 11	0 33	21 33	1 20	8 48	16 54	19 2	18 47	19 22	4 28	2 52
F 13	20 48	3n55	3 6	16 34	1 3	20 34	2 11	24 10	0 39	9 44	1 20	20 12	0 39	22 11	0 33	21 33	1 20	8 47	16 53	19 2	18 46	19 20	4 28	2 52
S 14	20 36	9 21	2 10	15 57	0 56	20 44	2 8	24 10	0 40	9 46	1 20	20 10	0 39	22 11	0 33	21 34	1 20	8 47	16 53	19 2	18 45	19 18	4 27	2 52
S 15	20 24	14 34	1 5	15 21	0 49	20 53	2 5	24 9	0 40	9 48	1 20	20 8	0 39	22 12	0 33	21 34	1 20	8 46	16 52	19 2	18 44	19 16	4 27	2 52
M16	20 12	19 17	0n 4	14 44	0 42	21 2	2 2	24 9	0 41	9 49	1 20	20 7	0 39	22 12	0 33	21 34	1 20	8 45	16 52	19 2	18 44	19 14	4 27	2 52
T 17	20 0	23 9	1 16	14 7	0 34	21 10	1 59	24 8	0 41	9 51	1 21	20 5	0 39	22 13	0 33	21 34	1 20	8 44	16 51	19 2	18 43	19 11	4 27	2 52
W18	19 47	25 47	2 25	13 29	0 26	21 18	1 56	24 7	0 42	9 52	1 21	20 3	0 39	22 13	0 33	21 34	1 20	8 43	16 50	19 1	18 42	19 9	4 26	2 52
T 19	19 34	26 46	3 27	12 52	0 18	21 26	1 53	24 6	0 43	9 54	1 21	20 1	0 40	22 13	0 33	21 34	1 20	8 42	16 50	19 0	18 41	19 7	4 26	2 52
F 20	19 21	25 51	4 17	12 14	0 9	21 32	1 50	24 4	0 43	9 55	1 21	20 0	0 40	22 14	0 33	21 34	1 20	8 41	16 49	18 58	18 40	19 5	4 26	2 52
S 21	19 7	23 2	4 49	11 37	0 0	21 39	1 47	24 3	0 44	9 57	1 21	19 58	0 40	22 14	0 33	21 35	1 20	8 41	16 49	18 55	18 40	19 3	4 25	2 52
S 22	18 53	18 37	5 2	10 59	0s 9	21 44	1 44	24 1	0 44	9 58	1 22	19 56	0 40	22 15	0 33	21 35	1 20	8 40	16 48	18 53	18 39	19 0	4 25	2 52
M23	18 38	13 1	4 52	10 22	0 18	21 49	1 40	23 59	0 45	9 59	1 22	19 54	0 40	22 15	0 33	21 35	1 20	8 39	16 48	18 50	18 38	18 58	4 25	2 52
T 24	18 24	6 45	4 23	9 45	0 27	21 54	1 37	23 57	0 46	10 0	1 22	19 53	0 40	22 15	0 33	21 35	1 20	8 38	16 47	18 49	18 37	18 56	4 24	2 53
W25	18 9	0 17	3 38	9 9	0 37	21 58	1 34	23 54	0 46	10 1	1 22	19 51	0 40	22 16	0 33	21 35	1 20	8 37	16 47	18 47	18 36	18 54	4 24	2 53
T 26	17 53	6s 1	2 40	8 32	0 47	22 2	1 31	23 52	0 47	10 2	1 23	19 49	0 40	22 16	0 33	21 35	1 20	8 36	16 46	18 46	18 36	18 51	4 23	2 53
F 27	17 38	11 52	1 35	7 56	0 57	22 5	1 27	23 49	0 47	10 3	1 23	19 47	0 40	22 16	0 33	21 35	1 20	8 35	16 46	18 46	18 35	18 49	4 23	2 53
S 28	17 22	16 59	0 27	7 21	1 7	22 7	1 24	23 46	0 48	10 4	1 23	19 45	0 40	22 17	0 33	21 35	1 20	8 34	16 45	18 46	18 34	18 47	4 22	2 53
S 29	17 6	21 11	0s41	6 46	1 17	22 9	1 21	23 43	0 48	10 5	1 23	19 44	0 40	22 17	0 33	21 36	1 20	8 33	16 44	18 46	18 33	18 45	4 22	2 53
M30	16 49	24 18	1 45	6 12	1 27	22 10	1 17	23 40	0 49	10 5	1 24	19 42	0 41	22 17	0 33	21 36	1 20	8 32	16 44	18 46	18 32	18 42	4 21	2 53
T 31	16n32	26s12	2s43	5n39	1s38	22n11	1s14	23n36	0n50	10n 6	1s24	19n40	0n41	22s18	0s33	21n36	1s20	8n31	16n43	18n45	18n32	18s40	4n21	2n53

Julian Day Number = 2174149.5, Delta T = 12m03s
Ecliptic obliquity = 23°32'21, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°08'57, Lahiri = 13°15'57 Julian Calendar 1 July 1240 == Greg. Calendar 8 July 1240

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1240
geocentric

AUGUST 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 7 35	15♌29'40	8♉24	12♍50	7♋ 3	14♋48	29♈43	5♌28	21°R51	17♊18	17♎37	23°R29	22♉39	23♒23	4°R14	W 1
T 2	21 11 32	16°27'26	20°26	13°48	8°12	15°26	29°45	5°36	21♉49	17°20	17°39	23♉20	22°36	23°30	4♈13	T 2
F 3	21 15 28	17°25'12	2♒24	14°42	9°22	16° 5	29°47	5°44	21°47	17°21	17°40	23° 8	22°33	23°36	4°11	F 3
S 4	21 19 25	18°23'01	14°18	15°34	10°32	16°43	29°49	5°51	21°45	17°22	17°42	22°55	22°30	23°43	4° 9	S 4
S 5	21 23 21	19°20'51	26°11	16°22	11°42	17°22	29°50	5°59	21°43	17°24	17°43	22°41	22°27	23°50	4° 8	S 5
M 6	21 27 18	20°18'42	8♓ 4	17° 7	12°52	18° 0	29°52	6° 6	21°41	17°25	17°45	22°27	22°23	23°57	4° 6	M 6
T 7	21 31 14	21°16'35	19°58	17°49	14° 2	18°39	29°53	6°14	21°39	17°26	17°46	22°15	22°20	24° 3	4° 4	T 7
W 8	21 35 11	22°14'29	1♈55	18°27	15°12	19°17	29°54	6°21	21°37	17°27	17°48	22° 5	22°17	24°10	4° 2	W 8
T 9	21 39 8	23°12'26	13°58	19° 0	16°23	19°56	29°54	6°29	21°35	17°28	17°49	21°58	22°14	24°17	4° 0	T 9
F 10	21 43 4	24°10'24	26°10	19°30	17°33	20°34	29°55	6°36	21°33	17°30	17°51	21°54	22°11	24°23	3°58	F 10
S 11	21 47 1	25° 8'24	8♉35	19°55	18°44	21°12	29°55	6°44	21°31	17°31	17°52	21°52	22° 7	24°30	3°56	S 11
S 12	21 50 57	26° 6'26	21°17	20°15	19°54	21°50	29°R55	6°51	21°29	17°32	17°54	21°52	22° 4	24°37	3°54	S 12
M13	21 54 54	27° 4'30	4♊21	20°30	21° 5	22°28	29°55	6°59	21°27	17°33	17°56	21°52	22° 1	24°44	3°52	M13
T 14	21 58 50	28° 2'36	17°50	20°40	22°16	23° 7	29°55	7° 6	21°25	17°34	17°58	21°51	21°58	24°50	3°50	T 14
W15	22 2 47	29° 0'44	1♋47	20°R44	23°27	23°45	29°55	7°13	21°24	17°35	17°59	21°48	21°55	24°57	3°48	W15
T 16	22 6 43	29°58'54	16°13	20°42	24°38	24°23	29°54	7°21	21°22	17°36	18° 1	21°43	21°52	25° 4	3°46	T 16
F 17	22 10 40	0♍57'06	1♌ 3	20°34	25°49	25° 1	29°53	7°28	21°20	17°37	18° 3	21°35	21°48	25°11	3°44	F 17
S 18	22 14 37	1°55'20	16°13	20°20	27° 1	25°39	29°52	7°35	21°19	17°37	18° 5	21°25	21°45	25°17	3°41	S 18
S 19	22 18 33	2°53'36	1♍32	19°59	28°12	26°16	29°51	7°43	21°17	17°38	18° 6	21°14	21°42	25°24	3°39	S 19
M20	22 22 30	3°51'54	16°49	19°32	29°23	26°54	29°49	7°50	21°16	17°39	18° 8	21° 3	21°39	25°31	3°37	M20
T 21	22 26 26	4°50'13	1♎52	18°58	0♌35	27°32	29°47	7°57	21°14	17°40	18°10	20°55	21°36	25°37	3°35	T 21
W22	22 30 23	5°48'34	16°32	18°19	1°46	28°10	29°45	8° 4	21°12	17°41	18°12	20°49	21°33	25°44	3°32	W22
T 23	22 34 19	6°46'57	0♏46	17°33	2°58	28°48	29°43	8°11	21°11	17°41	18°14	20°45	21°29	25°51	3°30	T 23
F 24	22 38 16	7°45'21	14°30	16°42	4°10	29°25	29°41	8°18	21°10	17°42	18°16	20°44	21°26	25°58	3°27	F 24
S 25	22 42 12	8°43'47	27°46	15°47	5°22	0♌ 3	29°39	8°25	21° 8	17°43	18°18	20°D44	21°23	26° 4	3°25	S 25
S 26	22 46 9	9°42'15	10♐37	14°48	6°34	0°40	29°36	8°32	21° 7	17°43	18°20	20°R44	21°20	26°11	3°22	S 26
M27	22 50 6	10°40'44	23° 8	13°46	7°46	1°18	29°33	8°39	21° 6	17°44	18°22	20°43	21°17	26°18	3°20	M27
T 28	22 54 2	11°39'15	5♉24	12°44	8°58	1°55	29°30	8°46	21° 4	17°45	18°24	20°40	21°13	26°25	3°17	T 28
W29	22 57 59	12°37'48	17°28	11°41	10°10	2°33	29°27	8°53	21° 3	17°45	18°26	20°35	21°10	26°31	3°15	W29
T 30	23 1 55	13°36'22	29°25	10°40	11°22	3°10	29°23	9° 0	21° 2	17°46	18°28	20°28	21° 7	26°38	3°12	T 30
F 31	23 5 52	14♍34'58	11♒19	9♍43	12♌34	3♌48	29♈20	9♌ 7	21♉ 1	17♊46	18♎30	20♉18	21♉ 4	26♒45	3♈10	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n15	26s49	3s33	5n 6	1s48	22n11	1s10	23n33	0n50	10n 7	1s24	19n38	0n41	22s18	0s33	21n36	1s20	8n30	16n43	18n43	18n31	18s38	4n20	2n53
T 2	15 58	26 8	4 12	4 35	1 58	22 10	1 7	23 29	0 51	10 7	1 24	19 37	0 41	22 18	0 33	21 36	1 20	8 29	16 42	18 41	18 30	18 36	4 20	2 53
F 3	15 41	24 15	4 40	4 4	2 9	22 9	1 4	23 25	0 51	10 8	1 24	19 35	0 41	22 19	0 33	21 36	1 20	8 28	16 42	18 38	18 29	18 33	4 19	2 53
S 4	15 23	21 19	4 56	3 35	2 19	22 7	1 0	23 21	0 52	10 8	1 25	19 33	0 41	22 19	0 33	21 36	1 20	8 27	16 41	18 35	18 28	18 31	4 18	2 53
S 5	15 5	17 31	4 59	3 7	2 29	22 5	0 57	23 16	0 52	10 8	1 25	19 31	0 41	22 19	0 33	21 36	1 20	8 26	16 41	18 31	18 27	18 29	4 18	2 53
M 6	14 47	13 2	4 48	2 40	2 39	22 2	0 53	23 12	0 53	10 9	1 25	19 29	0 41	22 20	0 33	21 36	1 21	8 25	16 40	18 28	18 27	18 26	4 17	2 53
T 7	14 28	8 4	4 26	2 14	2 49	21 58	0 50	23 7	0 53	10 9	1 25	19 28	0 41	22 20	0 33	21 36	1 21	8 24	16 40	18 24	18 26	18 24	4 16	2 53
W 8	14 9	2 46	3 51	1 50	2 59	21 54	0 46	23 2	0 54	10 9	1 26	19 26	0 41	22 20	0 33	21 36	1 21	8 23	16 40	18 22	18 25	18 22	4 16	2 53
T 9	13 50	2n41	3 6	1 28	3 9	21 49	0 43	22 57	0 55	10 9	1 26	19 24	0 42	22 21	0 33	21 37	1 21	8 22	16 39	18 20	18 24	18 19	4 15	2 53
F 10	13 31	8 6	2 11	1 8	3 18	21 44	0 39	22 52	0 55	10 9	1 26	19 22	0 42	22 21	0 33	21 37	1 21	8 21	16 39	18 19	18 23	18 17	4 14	2 53
S 11	13 12	13 19	1 10	0 50	3 27	21 38	0 36	22 47	0 56	10 9	1 26	19 20	0 42	22 21	0 33	21 37	1 21	8 20	16 38	18 19	18 23	18 15	4 13	2 54
S 12	12 52	18 6	0 3	0 35	3 36	21 31	0 33	22 41	0 56	10 8	1 27	19 19	0 42	22 22	0 33	21 37	1 21	8 19	16 38	18 19	18 22	18 13	4 13	2 54
M13	12 32	22 10	1n 5	0 21	3 44	21 24	0 29	22 36	0 57	10 8	1 27	19 17	0 42	22 22	0 33	21 37	1 21	8 18	16 37	18 19	18 21	18 10	4 12	2 54
T 14	12 12	25 11	2 13	0 11	3 51	21 16	0 26	22 30	0 57	10 8	1 27	19 15	0 42	22 22	0 33	21 37	1 21	8 17	16 37	18 18	18 20	18 8	4 11	2 54
W15	11 52	26 46	3 14	0 3	3 58	21 8	0 22	22 24	0 58	10 8	1 27	19 13	0 42	22 22	0 33	21 37	1 21	8 16	16 36	18 18	18 19	18 5	4 10	2 54
T 16	11 32	26 37	4 5	0s 2	4 4	20 59	0 19	22 18	0 59	10 7	1 27	19 12	0 42	22 23	0 33	21 37	1 21	8 15	16 36	18 16	18 18	18 3	4 9	2 54
F 17	11 11	24 35	4 42	0 3	4 9	20 49	0 16	22 11	0 59	10 7	1 28	19 10	0 42	22 23	0 33	21 37	1 21	8 14	16 36	18 14	18 18	18 1	4 9	2 54
S 18	10 50	20 48	4 59	0 1	4 13	20 39	0 12	22 5	1 0	10 6	1 28	19 8	0 42	22 23	0 33	21 37	1 21	8 13	16 35	18 11	18 17	17 58	4 8	2 54
S 19	10 29	15 34	4 56	0n 4	4 16	20 28	0 9	21 58	1 0	10 5	1 28	19 6	0 43	22 23	0 33	21 37	1 21	8 12	16 35	18 9	18 16	17 56	4 7	2 54
M20	10 8	9 23	4 31	0 13	4 17	20 16	0 6	21 51	1 1	10 5	1 28	19 5	0 43	22 24	0 33	21 37	1 21	8 11	16 34	18 6	18 15	17 54	4 6	2 54
T 21	9 47	2 44	3 48	0 27	4 17	20 4	0 2	21 45	1 1	10 4	1 29	19 3	0 43	22 24	0 33	21 37	1 21	8 10	16 34	18 4	18 14	17 51	4 5	2 54
W22	9 25	3s54	2 50	0 44	4 15	19 52	0n 1	21 38	1 2	10 3	1 29	19 1	0 43	22 24	0 33	21 37	1 21	8 9	16 34	18 2	18 13	17 49	4 4	2 54
T 23	9 4	10 10	1 44	1 5	4 12	19 39	0 4	21 30	1 2	10 2	1 29	18 59	0 43	22 24	0 33	21 37	1 21	8 8	16 33	18 1	18 13	17 47	4 3	2 54
F 24	8 42	15 44	0 33	1 29	4 6	19 25	0 7	21 23	1 3	10 1	1 29	18 58	0 43	22 24	0 33	21 37	1 21	8 7	16 33	18 1	18 12	17 44	4 2	2 54
S 25	8 20	20 21	0s37	1 57	3 59	19 11	0 10	21 16	1 4	10 0	1 29	18 56	0 43	22 25	0 33	21 37	1 21	8 6	16 32	18 1	18 11	17 42	4 1	2 54
S 26	7 58	23 50	1 44	2 29	3 50	18 56	0 13	21 8	1 4	9 59	1 30	18 54	0 43	22 25	0 33	21 37	1 21	8 5	16 32	18 1	18 10	17 39	4 0	2 54
M27	7 36	26 4	2 43	3 3	3 39	18 40	0 16	21 0	1 5	9 58	1 30	18 52	0 44	22 25	0 33	21 37	1 21	8 4	16 32	18 0	18 9	17 37	3 59	2 54
T 28	7 13	26 59	3 34	3 39	3 26	18 24	0 19	20 52	1 5	9 56	1 30	18 51	0 44	22 25	0 33	21 37	1 21	8 2	16 31	18 0	18 8	17 35	3 58	2 54
W29	6 51	26 35	4 14	4 16	3 11	18 8	0 22	20 44	1 6	9 55	1 30	18 49	0 44	22 25	0 33	21 37	1 21	8 1	16 31	17 58	18 8	17 32	3 57	2 54
T 30	6 28	24 57	4 42	4 54	2 55	17 51	0 25	20 36	1 6	9 54	1 30	18 47	0 44	22 26	0 33	21 37	1 21	8 0	16 31	17 56	18 7	17 30	3 56	2 54
F 31	6n 6	22s14	4s59	5n32	2s37	17n33	0n28	20n28	1n 7	9n52	1s31	18n46	0n44	22s26	0s33	21n37	1s21	7n59	16n30	17n54	18n 6	17s27	3n55	2n54

Julian Day Number = 2174180.5, Delta T = 12m03s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'01, Lahiri = 13°16'01 Julian Calendar 1 Aug. 1240 == Greg. Calendar 8 Aug. 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

SEPTEMBER 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 9 48	15♍33'36	23♒11	8°R50	13♌47	4♌25	29°R16	9♌13	21°R 0	17♊46	18♎32	20°R 6	21♉ 1	26♒51	3°R 7	S 1
S 2	23 13 45	16°32'16	5♓ 4	8♍ 3	14°59	5° 2	29♈12	9°20	20♑59	17°47	18°34	19♉54	20°58	26°58	3♈ 4	S 2
M 3	23 17 41	17°30'58	17° 0	7°24	16°12	5°39	29° 8	9°27	20°58	17°47	18°36	19°42	20°54	27° 5	3° 2	M 3
T 4	23 21 38	18°29'41	29° 0	6°53	17°24	6°16	29° 3	9°33	20°57	17°48	18°39	19°32	20°51	27°12	2°59	T 4
W 5	23 25 35	19°28'27	11♈ 5	6°31	18°37	6°54	28°59	9°40	20°56	17°48	18°41	19°23	20°48	27°18	2°56	W 5
T 6	23 29 31	20°27'15	23°16	6°19	19°50	7°31	28°54	9°46	20°55	17°48	18°43	19°18	20°45	27°25	2°54	T 6
F 7	23 33 28	21°26'05	5♉37	6°D17	21° 3	8° 8	28°49	9°53	20°54	17°48	18°45	19°14	20°42	27°32	2°51	F 7
S 8	23 37 24	22°24'57	18° 9	6°25	22°16	8°45	28°44	9°59	20°53	17°49	18°47	19°D13	20°38	27°38	2°48	S 8
S 9	23 41 21	23°23'52	0♊56	6°43	23°29	9°21	28°39	10° 6	20°53	17°49	18°50	19°14	20°35	27°45	2°46	S 9
M10	23 45 17	24°22'49	14° 0	7°10	24°42	9°58	28°33	10°12	20°52	17°49	18°52	19°15	20°32	27°52	2°43	M10
T 11	23 49 14	25°21'49	27°25	7°48	25°55	10°35	28°28	10°18	20°51	17°49	18°54	19°R15	20°29	27°59	2°40	T 11
W12	23 53 10	26°20'50	11♋13	8°33	27° 8	11°12	28°22	10°24	20°51	17°49	18°56	19°14	20°26	28° 5	2°37	W12
T 13	23 57 7	27°19'55	25°25	9°27	28°21	11°49	28°16	10°30	20°50	17°R49	18°59	19°11	20°23	28°12	2°35	T 13
F 14	0 1 4	28°19'01	10♌ 0	10°29	29°35	12°25	28°10	10°36	20°50	17°49	19° 1	19° 6	20°19	28°19	2°32	F 14
S 15	0 5 0	29°18'10	24°54	11°37	0♍48	13° 2	28° 4	10°42	20°49	17°49	19° 3	18°59	20°16	28°26	2°29	S 15
S 16	0 8 57	0♎17'21	9♍58	12°52	2° 2	13°39	27°58	10°48	20°49	17°49	19° 6	18°52	20°13	28°32	2°26	S 16
M17	0 12 53	1°16'34	25° 4	14°11	3°15	14°15	27°51	10°54	20°49	17°49	19° 8	18°44	20°10	28°39	2°23	M17
T 18	0 16 50	2°15'49	10♎ 2	15°36	4°29	14°52	27°45	11° 0	20°48	17°49	19°10	18°38	20° 7	28°46	2°21	T 18
W19	0 20 46	3°15'06	24°43	17° 4	5°42	15°28	27°38	11° 6	20°48	17°48	19°13	18°34	20° 4	28°52	2°18	W19
T 20	0 24 43	4°14'26	8♏59	18°36	6°56	16° 4	27°31	11°11	20°48	17°48	19°15	18°32	20° 0	28°59	2°15	T 20
F 21	0 28 39	5°13'47	22°49	20°10	8°10	16°41	27°24	11°17	20°48	17°48	19°17	18°D31	19°57	29° 6	2°12	F 21
S 22	0 32 36	6°13'10	6♐12	21°47	9°24	17°17	27°17	11°22	20°48	17°48	19°20	18°32	19°54	29°13	2° 9	S 22
S 23	0 36 32	7°12'35	19° 8	23°26	10°38	17°53	27°10	11°28	20°D48	17°47	19°22	18°34	19°51	29°19	2° 7	S 23
M24	0 40 29	8°12'02	1♑43	25° 6	11°52	18°29	27° 3	11°33	20°48	17°47	19°24	18°35	19°48	29°26	2° 4	M24
T 25	0 44 26	9°11'31	14° 1	26°47	13° 6	19° 5	26°55	11°38	20°48	17°47	19°27	18°R35	19°44	29°33	2° 1	T 25
W26	0 48 22	10°11'01	26° 5	28°29	14°20	19°41	26°48	11°44	20°48	17°46	19°29	18°33	19°41	29°39	1°58	W26
T 27	0 52 19	11°10'33	8♒ 1	0♎12	15°34	20°17	26°40	11°49	20°48	17°46	19°32	18°30	19°38	29°46	1°56	T 27
F 28	0 56 15	12°10'07	19°54	1°55	16°48	20°53	26°33	11°54	20°49	17°45	19°34	18°26	19°35	29°53	1°53	F 28
S 29	1 0 12	13° 9'43	1♓46	3°38	18° 2	21°29	26°25	11°59	20°49	17°45	19°36	18°20	19°32	29°59	1°50	S 29
S 30	1 4 8	14♎ 9'20	13♓41	5♎22	19♍16	22♌ 5	26♈17	12♌ 4	20♑49	17♊44	19♎39	18♉13	19♉29	0♓ 6	1♈48	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n43	18s35	5s 2	6n 9	2s18	17n15	0n31	20n20	1n 7	9n51	1s31	18n44	0n44	22s26	0s33	21n37	1s21	7n58	16n30	17n51	18n 5	17s25	3n54	2n54
S 2	5 20	14 13	4 52	6 45	1 59	16 57	0 34	20 11	1 8	9 49	1 31	18 42	0 44	22 26	0 33	21 37	1 21	7 57	16 30	17 47	18 4	17 22	3 53	2 54
M 3	4 57	9 17	4 29	7 18	1 39	16 38	0 37	20 3	1 9	9 47	1 31	18 41	0 44	22 26	0 33	21 37	1 22	7 56	16 30	17 44	18 3	17 20	3 52	2 54
T 4	4 34	3 59	3 54	7 48	1 19	16 18	0 39	19 54	1 9	9 46	1 31	18 39	0 45	22 26	0 33	21 37	1 22	7 55	16 29	17 41	18 3	17 18	3 51	2 54
W 5	4 11	1n30	3 9	8 14	0 59	15 58	0 42	19 45	1 10	9 44	1 31	18 37	0 45	22 26	0 33	21 37	1 22	7 54	16 29	17 39	18 2	17 15	3 50	2 54
T 6	3 48	7 0	2 14	8 37	0 40	15 38	0 45	19 36	1 10	9 42	1 32	18 36	0 45	22 26	0 33	21 37	1 22	7 53	16 29	17 37	18 1	17 13	3 49	2 54
F 7	3 25	12 19	1 12	8 55	0 21	15 17	0 47	19 27	1 11	9 40	1 32	18 34	0 45	22 27	0 33	21 37	1 22	7 52	16 28	17 37	18 0	17 10	3 47	2 54
S 8	3 1	17 13	0 6	9 9	0 3	14 56	0 50	19 18	1 11	9 38	1 32	18 33	0 45	22 27	0 33	21 37	1 22	7 51	16 28	17 36	17 59	17 8	3 46	2 54
S 9	2 38	21 27	1n 2	9 18	0n13	14 34	0 52	19 8	1 12	9 36	1 32	18 31	0 45	22 27	0 33	21 37	1 22	7 50	16 28	17 36	17 58	17 5	3 45	2 53
M10	2 14	24 42	2 9	9 22	0 29	14 12	0 54	18 59	1 12	9 34	1 32	18 29	0 45	22 27	0 33	21 37	1 22	7 49	16 28	17 37	17 58	17 3	3 44	2 53
T 11	1 51	26 41	3 10	9 21	0 43	13 49	0 57	18 50	1 13	9 32	1 32	18 28	0 46	22 27	0 32	21 37	1 22	7 48	16 27	17 37	17 57	17 0	3 43	2 53
W12	1 27	27 5	4 2	9 16	0 56	13 26	0 59	18 40	1 14	9 30	1 32	18 26	0 46	22 27	0 32	21 37	1 22	7 47	16 27	17 36	17 56	16 58	3 42	2 53
T 13	1 4	25 45	4 41	9 6	1 8	13 3	1 1	18 30	1 14	9 28	1 33	18 25	0 46	22 27	0 32	21 37	1 22	7 46	16 27	17 36	17 55	16 55	3 41	2 53
F 14	0 40	22 40	5 3	8 53	1 18	12 39	1 3	18 20	1 15	9 26	1 33	18 23	0 46	22 27	0 32	21 37	1 22	7 45	16 27	17 34	17 54	16 53	3 39	2 53
S 15	0 17	18 4	5 5	8 35	1 27	12 15	1 5	18 10	1 15	9 23	1 33	18 22	0 46	22 27	0 32	21 37	1 22	7 44	16 27	17 32	17 53	16 50	3 38	2 53
S 16	0s 7	12 17	4 46	8 13	1 35	11 51	1 7	18 0	1 16	9 21	1 33	18 20	0 46	22 27	0 32	21 37	1 22	7 43	16 26	17 30	17 52	16 48	3 37	2 53
M17	0 31	5 45	4 8	7 48	1 41	11 26	1 9	17 50	1 16	9 18	1 33	18 19	0 46	22 27	0 32	21 37	1 22	7 42	16 26	17 28	17 52	16 45	3 36	2 53
T 18	0 54	1s 3	3 12	7 20	1 47	11 1	1 11	17 40	1 17	9 16	1 33	18 17	0 47	22 27	0 32	21 37	1 22	7 41	16 26	17 27	17 51	16 43	3 35	2 53
W19	1 18	7 40	2 5	6 50	1 51	10 35	1 13	17 30	1 17	9 14	1 33	18 16	0 47	22 27	0 32	21 37	1 22	7 40	16 26	17 25	17 50	16 40	3 34	2 53
T 20	1 42	13 45	0 51	6 17	1 54	10 9	1 15	17 19	1 18	9 11	1 33	18 14	0 47	22 27	0 32	21 37	1 22	7 39	16 26	17 25	17 49	16 38	3 32	2 53
F 21	2 5	18 56	0s23	5 41	1 56	9 43	1 16	17 9	1 19	9 8	1 33	18 13	0 47	22 27	0 32	21 37	1 22	7 38	16 26	17 25	17 48	16 35	3 31	2 53
S 22	2 29	22 59	1 34	5 4	1 57	9 17	1 18	16 58	1 19	9 6	1 33	18 12	0 47	22 27	0 32	21 37	1 22	7 37	16 25	17 25	17 47	16 33	3 30	2 53
S 23	2 52	25 43	2 38	4 25	1 57	8 50	1 19	16 48	1 20	9 3	1 33	18 10	0 47	22 27	0 32	21 37	1 22	7 36	16 25	17 25	17 46	16 30	3 29	2 53
M24	3 16	27 4	3 33	3 45	1 57	8 23	1 21	16 37	1 20	9 1	1 34	18 9	0 47	22 27	0 32	21 37	1 22	7 35	16 25	17 26	17 46	16 28	3 28	2 53
T 25	3 39	27 2	4 16	3 3	1 56	7 56	1 22	16 26	1 21	8 58	1 34	18 8	0 48	22 27	0 32	21 36	1 22	7 34	16 25	17 26	17 45	16 25	3 26	2 52
W26	4 3	25 43	4 47	2 21	1 54	7 29	1 24	16 16	1 21	8 55	1 34	18 6	0 48	22 27	0 32	21 36	1 22	7 33	16 25	17 25	17 44	16 23	3 25	2 52
T 27	4 26	23 15	5 5	1 37	1 51	7 1	1 25	16 5	1 22	8 52	1 34	18 5	0 48	22 27	0 32	21 36	1 22	7 32	16 25	17 24	17 43	16 20	3 24	2 52
F 28	4 50	19 48	5 10	0 54	1 48	6 33	1 26	15 54	1 22	8 50	1 34	18 4	0 48	22 27	0 32	21 36	1 22	7 31	16 25	17 23	17 42	16 18	3 23	2 52
S 29	5 13	15 35	5 2	0 9	1 45	6 5	1 27	15 43	1 23	8 47	1 34	18 3	0 48	22 27	0 32	21 36	1 22	7 30	16 25	17 21	17 41	16 15	3 22	2 52
S 30	5s36	10s45	4s41	0s36	1n41	5n37	1n28	15n31	1n24	8n44	1s34	18n 1	0n48	22s27	0s32	21n36	1s23	7n29	16n25	17n20	17n40	16s12	3n21	2n52

Julian Day Number = 2174211.5, Delta T = 12m03s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'05, Lahiri = 13°16'06 Julian Calendar 1 Sept. 1240 == Greg. Calendar 8 Sept. 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

OCTOBER 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 8 5	15♎ 9'00	25♓42	7♎ 5	20♍30	22♌41	26°R 9	12♌ 9	20♑50	17°R44	19♎41	18°R 7	19♉25	0♓13	1°R45	M 1
T 2	1 12 1	16° 8'41	7♈50	8°48	21°45	23°16	26♈ 2	12°13	20°50	17♊43	19°44	18♉ 2	19°22	0°20	1♈42	T 2
W 3	1 15 58	17° 8'24	20° 7	10°30	22°59	23°52	25°54	12°18	20°50	17°43	19°46	17°57	19°19	0°26	1°39	W 3
T 4	1 19 55	18° 8'10	2♉33	12°13	24°13	24°28	25°46	12°23	20°51	17°42	19°48	17°55	19°16	0°33	1°37	T 4
F 5	1 23 51	19° 7'57	15°10	13°55	25°28	25° 3	25°38	12°27	20°52	17°41	19°51	17°D54	19°13	0°40	1°34	F 5
S 6	1 27 48	20° 7'47	27°59	15°36	26°42	25°38	25°29	12°32	20°52	17°40	19°53	17°54	19°10	0°47	1°32	S 6
S 7	1 31 44	21° 7'39	11♊ 0	17°18	27°57	26°14	25°21	12°36	20°53	17°40	19°56	17°55	19° 6	0°53	1°29	S 7
M 8	1 35 41	22° 7'33	24°15	18°58	29°11	26°49	25°13	12°40	20°54	17°39	19°58	17°57	19° 3	1° 0	1°26	M 8
T 9	1 39 37	23° 7'30	7♋46	20°38	0♎26	27°24	25° 5	12°44	20°54	17°38	20° 1	17°58	19° 0	1° 7	1°24	T 9
W10	1 43 34	24° 7'28	21°32	22°18	1°41	28° 0	24°57	12°48	20°55	17°37	20° 3	17°R59	18°57	1°14	1°21	W10
T 11	1 47 30	25° 7'29	5♌35	23°57	2°55	28°35	24°49	12°52	20°56	17°36	20° 5	17°59	18°54	1°20	1°19	T 11
F 12	1 51 27	26° 7'32	19°54	25°36	4°10	29°10	24°41	12°56	20°57	17°36	20° 8	17°57	18°50	1°27	1°16	F 12
S 13	1 55 24	27° 7'37	4♍25	27°14	5°25	29°45	24°33	13° 0	20°58	17°35	20°10	17°55	18°47	1°34	1°14	S 13
S 14	1 59 20	28° 7'45	19° 4	28°52	6°40	0♍20	24°24	13° 4	20°59	17°34	20°13	17°53	18°44	1°40	1°11	S 14
M15	2 3 17	29° 7'54	3♎45	0♏29	7°54	0°55	24°16	13° 7	21° 0	17°33	20°15	17°50	18°41	1°47	1° 9	M15
T 16	2 7 13	0♏ 8'05	18°22	2° 6	9° 9	1°29	24° 8	13°11	21° 1	17°32	20°18	17°48	18°38	1°54	1° 7	T 16
W17	2 11 10	1° 8'18	2♏47	3°43	10°24	2° 4	24° 0	13°14	21° 3	17°31	20°20	17°46	18°35	2° 1	1° 4	W17
T 18	2 15 6	2° 8'34	16°54	5°19	11°39	2°39	23°52	13°18	21° 4	17°30	20°22	17°D46	18°31	2° 7	1° 2	T 18
F 19	2 19 3	3° 8'50	0♐41	6°54	12°54	3°13	23°44	13°21	21° 5	17°28	20°25	17°46	18°28	2°14	1° 0	F 19
S 20	2 22 59	4° 9'09	14° 4	8°30	14° 9	3°48	23°36	13°24	21° 7	17°27	20°27	17°47	18°25	2°21	0°58	S 20
S 21	2 26 56	5° 9'29	27° 4	10° 4	15°24	4°22	23°28	13°27	21° 8	17°26	20°29	17°48	18°22	2°27	0°55	S 21
M22	2 30 53	6° 9'51	9♑43	11°39	16°39	4°57	23°21	13°30	21° 9	17°25	20°32	17°49	18°19	2°34	0°53	M22
T 23	2 34 49	7°10'14	22° 4	13°13	17°54	5°31	23°13	13°33	21°11	17°24	20°34	17°50	18°16	2°41	0°51	T 23
W24	2 38 46	8°10'39	4♒11	14°47	19° 9	6° 5	23° 5	13°35	21°12	17°23	20°36	17°R51	18°12	2°48	0°49	W24
T 25	2 42 42	9°11'05	16° 9	16°21	20°24	6°39	22°58	13°38	21°14	17°21	20°39	17°51	18° 9	2°54	0°47	T 25
F 26	2 46 39	10°11'32	28° 2	17°54	21°39	7°13	22°50	13°41	21°16	17°20	20°41	17°50	18° 6	3° 1	0°45	F 26
S 27	2 50 35	11°12'01	9♓54	19°27	22°55	7°47	22°43	13°43	21°17	17°19	20°43	17°49	18° 3	3° 8	0°43	S 27
S 28	2 54 32	12°12'31	21°51	21° 0	24°10	8°21	22°36	13°45	21°19	17°17	20°46	17°49	18° 0	3°15	0°41	S 28
M29	2 58 28	13°13'02	3♈56	22°32	25°25	8°55	22°29	13°47	21°21	17°16	20°48	17°48	17°56	3°21	0°39	M29
T 30	3 2 25	14°13'35	16°11	24° 4	26°40	9°28	22°22	13°50	21°23	17°15	20°50	17°47	17°53	3°28	0°37	T 30
W31	3 6 22	15♏14'09	28♈40	25♏36	27♎55	10♍ 2	22♈15	13♌52	21♑24	17♊13	20♎53	17♉47	17♉50	3♓35	0♈36	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s59	5s29	4s 7	1s20	1n37	5n 8	1n29	15n20	1n24	8n41	1s34	18n 0	0n49	22s27	0s32	21n36	1s23	7n28	16n25	17n18	17n40	16s10	3n19	2n52
T 2	6 23	0n 2	3 21	2 5	1 32	4 40	1 30	15 9	1 25	8 38	1 34	17 59	0 49	22 27	0 32	21 36	1 23	7 27	16 25	17 16	17 39	16 7	3 18	2 52
W 3	6 46	5 38	2 26	2 50	1 27	4 11	1 31	14 58	1 25	8 35	1 34	17 58	0 49	22 27	0 32	21 36	1 23	7 26	16 24	17 15	17 38	16 5	3 17	2 52
T 4	7 8	11 7	1 23	3 35	1 22	3 42	1 31	14 46	1 26	8 32	1 34	17 57	0 49	22 27	0 32	21 36	1 23	7 25	16 24	17 14	17 37	16 2	3 16	2 51
F 5	7 31	16 13	0 15	4 20	1 16	3 13	1 32	14 35	1 26	8 30	1 34	17 55	0 49	22 26	0 32	21 36	1 23	7 24	16 24	17 14	17 36	16 0	3 15	2 51
S 6	7 54	20 41	0n55	5 5	1 11	2 44	1 33	14 23	1 27	8 27	1 34	17 54	0 49	22 26	0 32	21 36	1 23	7 23	16 24	17 14	17 35	15 57	3 14	2 51
S 7	8 17	24 13	2 3	5 49	1 5	2 15	1 33	14 12	1 27	8 24	1 34	17 53	0 50	22 26	0 32	21 35	1 23	7 22	16 24	17 15	17 34	15 54	3 12	2 51
M 8	8 39	26 31	3 6	6 33	0 59	1 45	1 34	14 0	1 28	8 21	1 34	17 52	0 50	22 26	0 32	21 35	1 23	7 22	16 24	17 15	17 33	15 52	3 11	2 51
T 9	9 1	27 19	4 0	7 17	0 53	1 16	1 34	13 49	1 29	8 18	1 34	17 51	0 50	22 26	0 32	21 35	1 23	7 21	16 24	17 15	17 33	15 49	3 10	2 51
W10	9 24	26 27	4 42	8 0	0 46	0 46	1 34	13 37	1 29	8 15	1 34	17 50	0 50	22 26	0 32	21 35	1 23	7 20	16 24	17 16	17 32	15 47	3 9	2 51
T 11	9 46	23 55	5 7	8 43	0 40	0 17	1 34	13 25	1 30	8 12	1 33	17 49	0 50	22 26	0 32	21 35	1 23	7 19	16 24	17 16	17 31	15 44	3 8	2 51
F 12	10 8	19 52	5 14	9 25	0 33	0s13	1 34	13 13	1 30	8 9	1 33	17 48	0 50	22 25	0 32	21 35	1 23	7 18	16 25	17 15	17 30	15 41	3 7	2 50
S 13	10 30	14 36	5 2	10 7	0 27	0 43	1 35	13 2	1 31	8 6	1 33	17 47	0 51	22 25	0 32	21 35	1 23	7 17	16 25	17 15	17 29	15 39	3 6	2 50
S 14	10 51	8 28	4 29	10 48	0 20	1 13	1 34	12 50	1 31	8 3	1 33	17 47	0 51	22 25	0 32	21 35	1 23	7 17	16 25	17 14	17 28	15 36	3 5	2 50
M15	11 13	1 51	3 39	11 29	0 13	1 42	1 34	12 38	1 32	8 0	1 33	17 46	0 51	22 25	0 32	21 35	1 23	7 16	16 25	17 13	17 27	15 33	3 3	2 50
T 16	11 34	4s50	2 35	12 9	0 7	2 12	1 34	12 26	1 33	7 58	1 33	17 45	0 51	22 25	0 32	21 34	1 23	7 15	16 25	17 12	17 26	15 31	3 2	2 50
W17	11 55	11 12	1 22	12 48	0 0	2 42	1 34	12 14	1 33	7 55	1 33	17 44	0 51	22 24	0 32	21 34	1 23	7 14	16 25	17 12	17 26	15 28	3 1	2 50
T 18	12 16	16 53	0 5	13 27	0s 7	3 11	1 34	12 2	1 34	7 52	1 33	17 43	0 51	22 24	0 32	21 34	1 23	7 13	16 25	17 12	17 25	15 25	3 0	2 50
F 19	12 37	21 32	1s11	14 5	0 13	3 41	1 33	11 50	1 34	7 49	1 33	17 42	0 52	22 24	0 32	21 34	1 23	7 13	16 25	17 12	17 24	15 23	2 59	2 49
S 20	12 57	24 54	2 20	14 43	0 20	4 11	1 33	11 38	1 35	7 46	1 33	17 42	0 52	22 24	0 32	21 34	1 23	7 12	16 25	17 12	17 23	15 20	2 58	2 49
S 21	13 18	26 51	3 21	15 19	0 27	4 40	1 32	11 26	1 36	7 43	1 32	17 41	0 52	22 24	0 32	21 34	1 23	7 11	16 25	17 13	17 22	15 18	2 57	2 49
M22	13 38	27 20	4 9	15 55	0 33	5 10	1 32	11 14	1 36	7 41	1 32	17 40	0 52	22 23	0 32	21 34	1 23	7 10	16 25	17 13	17 21	15 15	2 56	2 49
T 23	13 58	26 25	4 45	16 30	0 40	5 39	1 31	11 1	1 37	7 38	1 32	17 40	0 52	22 23	0 32	21 34	1 23	7 10	16 26	17 13	17 20	15 12	2 55	2 49
W24	14 18	24 16	5 8	17 4	0 46	6 8	1 30	10 49	1 37	7 35	1 32	17 39	0 53	22 23	0 32	21 33	1 23	7 9	16 26	17 13	17 19	15 10	2 54	2 49
T 25	14 37	21 5	5 17	17 38	0 52	6 37	1 30	10 37	1 38	7 33	1 32	17 39	0 53	22 23	0 32	21 33	1 23	7 8	16 26	17 13	17 18	15 7	2 53	2 48
F 26	14 56	17 4	5 12	18 10	0 58	7 6	1 29	10 25	1 38	7 30	1 32	17 38	0 53	22 22	0 32	21 33	1 23	7 8	16 26	17 13	17 18	15 4	2 52	2 48
S 27	15 15	12 25	4 54	18 42	1 4	7 35	1 28	10 13	1 39	7 28	1 31	17 37	0 53	22 22	0 32	21 33	1 23	7 7	16 26	17 13	17 17	15 2	2 51	2 48
S 28	15 34	7 16	4 23	19 13	1 10	8 4	1 27	10 1	1 40	7 25	1 31	17 37	0 53	22 22	0 32	21 33	1 23	7 6	16 26	17 13	17 16	14 59	2 50	2 48
M29	15 52	1 48	3 40	19 43	1 16	8 32	1 26	9 49	1 40	7 23	1 31	17 37	0 53	22 21	0 31	21 33	1 23	7 6	16 27	17 13	17 15	14 56	2 49	2 48
T 30	16 10	3n50	2 46	20 12	1 22	9 1	1 25	9 36	1 41	7 20	1 31	17 36	0 54	22 21	0 31	21 33	1 23	7 5	16 27	17 12	17 14	14 53	2 49	2 48
W31	16s28	9n25	1s44	20s39	1s27	9s29	1n24	9n24	1n41	7n18	1s31	17n36	0n54	22s21	0s31	21n32	1s23	7n 4	16n27	17n12	17n13	14s51	2n48	2n47

Julian Day Number = 2174241.5, Delta T = 12m02s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'09, Lahiri = 13°16'10 Julian Calendar 1 Oct. 1240 == Greg. Calendar 8 Oct. 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

NOVEMBER 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 10 18	16♏14'44	11♉22	27♏ 8	29♎11	10♍35	22°R 8	13♌53	21♑26	17°R12	20♎55	17°R47	17♉47	3♓41	0°R34	T 1
F 2	3 14 15	17°15'22	24°20	28°40	0♏26	11° 9	22♈ 1	13°55	21°28	17♊11	20°57	17♉47	17°44	3°48	0♈32	F 2
S 3	3 18 11	18°16'00	7♊32	0♐11	1°41	11°42	21°55	13°57	21°30	17° 9	20°59	17°47	17°41	3°55	0°30	S 3
S 4	3 22 8	19°16'41	20°58	1°42	2°56	12°15	21°48	13°58	21°32	17° 8	21° 1	17°47	17°37	4° 2	0°29	S 4
M 5	3 26 4	20°17'22	4♋36	3°13	4°12	12°49	21°42	14° 0	21°34	17° 6	21° 4	17°47	17°34	4° 8	0°27	M 5
T 6	3 30 1	21°18'06	18°25	4°43	5°27	13°22	21°36	14° 1	21°36	17° 5	21° 6	17°46	17°31	4°15	0°26	T 6
W 7	3 33 57	22°18'51	2♌24	6°13	6°42	13°55	21°30	14° 2	21°39	17° 3	21° 8	17°46	17°28	4°22	0°24	W 7
T 8	3 37 54	23°19'38	16°29	7°43	7°58	14°27	21°24	14° 4	21°41	17° 2	21°10	17°46	17°25	4°28	0°23	T 8
F 9	3 41 51	24°20'26	0♍39	9°13	9°13	15° 0	21°19	14° 5	21°43	17° 0	21°12	17°D46	17°22	4°35	0°22	F 9
S 10	3 45 47	25°21'15	14°53	10°42	10°28	15°33	21°13	14° 5	21°45	16°59	21°14	17°46	17°18	4°42	0°20	S 10
S 11	3 49 44	26°22'06	29° 7	12°11	11°44	16° 5	21° 8	14° 6	21°48	16°57	21°16	17°47	17°15	4°49	0°19	S 11
M12	3 53 40	27°22'59	13♎19	13°39	12°59	16°38	21° 3	14° 7	21°50	16°56	21°19	17°47	17°12	4°55	0°18	M12
T 13	3 57 37	28°23'53	27°26	15° 7	14°15	17°10	20°58	14° 8	21°52	16°54	21°21	17°48	17° 9	5° 2	0°17	T 13
W14	4 1 33	29°24'48	11♏24	16°34	15°30	17°42	20°53	14° 8	21°55	16°52	21°23	17°R49	17° 6	5° 9	0°15	W14
T 15	4 5 30	0♐25'45	25°10	18° 0	16°45	18°14	20°48	14° 8	21°57	16°51	21°25	17°49	17° 2	5°15	0°14	T 15
F 16	4 9 26	1°26'43	8♐41	19°25	18° 1	18°46	20°44	14° 8	22° 0	16°49	21°27	17°48	16°59	5°22	0°13	F 16
S 17	4 13 23	2°27'41	21°55	20°50	19°16	19°18	20°39	14°R 9	22° 2	16°48	21°29	17°47	16°56	5°29	0°12	S 17
S 18	4 17 20	3°28'41	4♑51	22°13	20°32	19°50	20°35	14° 9	22° 5	16°46	21°31	17°44	16°53	5°36	0°11	S 18
M19	4 21 16	4°29'42	17°29	23°35	21°47	20°22	20°31	14° 8	22° 8	16°44	21°32	17°42	16°50	5°42	0°11	M19
T 20	4 25 13	5°30'43	29°51	24°55	23° 3	20°53	20°28	14° 8	22°10	16°43	21°34	17°39	16°47	5°49	0°10	T 20
W21	4 29 9	6°31'45	11♒59	26°13	24°18	21°25	20°24	14° 8	22°13	16°41	21°36	17°37	16°43	5°56	0° 9	W21
T 22	4 33 6	7°32'47	23°58	27°29	25°34	21°56	20°21	14° 7	22°16	16°39	21°38	17°35	16°40	6° 2	0° 8	T 22
F 23	4 37 2	8°33'50	5♓51	28°43	26°49	22°27	20°18	14° 7	22°18	16°38	21°40	17°D34	16°37	6° 9	0° 8	F 23
S 24	4 40 59	9°34'53	17°43	29°53	28° 5	22°58	20°15	14° 6	22°21	16°36	21°42	17°35	16°34	6°16	0° 7	S 24
S 25	4 44 55	10°35'57	29°39	1♑ 0	29°20	23°29	20°12	14° 5	22°24	16°34	21°44	17°36	16°31	6°23	0° 7	S 25
M26	4 48 52	11°37'01	11♈44	2° 3	0♐36	23°59	20°10	14° 4	22°27	16°33	21°45	17°37	16°27	6°29	0° 6	M26
T 27	4 52 49	12°38'06	24° 2	3° 2	1°51	24°30	20° 7	14° 3	22°30	16°31	21°47	17°39	16°24	6°36	0° 6	T 27
W28	4 56 45	13°39'12	6♉37	3°55	3° 7	25° 0	20° 5	14° 2	22°33	16°29	21°49	17°41	16°21	6°43	0° 5	W28
T 29	5 0 42	14°40'17	19°31	4°42	4°22	25°31	20° 3	14° 1	22°36	16°27	21°50	17°R41	16°18	6°49	0° 5	T 29
F 30	5 4 38	15♐41'23	2♊46	5♑22	5♐38	26♍ 1	20♈ 2	14♌ 0	22♑39	16♊26	21♎52	17♉40	16♉15	6♓56	0♈ 5	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s46	14n45	0s35	21s 6	1s33	9s57	1n22	9n12	1n42	7n15	1s30	17n35	0n54	22s20	0s31	21n32	1s23	7n 4	16n27	17n12	17n12	14s48	2n47	2n47
F 2	17 3	19 31	0n36	21 32	1 38	10 24	1 21	9 0	1 43	7 13	1 30	17 35	0 54	22 20	0 31	21 32	1 23	7 3	16 27	17 12	17 11	14 45	2 46	2 47
S 3	17 20	23 25	1 47	21 57	1 43	10 52	1 20	8 47	1 43	7 11	1 30	17 35	0 54	22 20	0 31	21 32	1 23	7 2	16 28	17 12	17 10	14 43	2 45	2 47
S 4	17 37	26 7	2 54	22 21	1 48	11 19	1 18	8 35	1 44	7 9	1 30	17 34	0 55	22 19	0 31	21 32	1 23	7 2	16 28	17 12	17 10	14 40	2 44	2 47
M 5	17 54	27 19	3 51	22 43	1 52	11 46	1 17	8 23	1 44	7 7	1 30	17 34	0 55	22 19	0 31	21 32	1 23	7 1	16 28	17 12	17 9	14 37	2 43	2 46
T 6	18 10	26 50	4 36	23 5	1 57	12 12	1 15	8 11	1 45	7 4	1 29	17 34	0 55	22 19	0 31	21 31	1 23	7 1	16 28	17 12	17 8	14 34	2 43	2 46
W 7	18 25	24 40	5 6	23 25	2 1	12 39	1 14	7 59	1 46	7 2	1 29	17 34	0 55	22 18	0 31	21 31	1 23	7 0	16 29	17 12	17 7	14 32	2 42	2 46
T 8	18 41	20 59	5 17	23 44	2 4	13 5	1 12	7 47	1 46	7 1	1 29	17 34	0 55	22 18	0 31	21 31	1 23	7 0	16 29	17 12	17 6	14 29	2 41	2 46
F 9	18 56	16 6	5 9	24 2	2 8	13 31	1 11	7 34	1 47	6 59	1 29	17 34	0 56	22 18	0 31	21 31	1 24	6 59	16 29	17 12	17 5	14 26	2 40	2 46
S 10	19 11	10 19	4 42	24 18	2 11	13 56	1 9	7 22	1 47	6 57	1 28	17 33	0 56	22 17	0 31	21 31	1 24	6 59	16 29	17 12	17 4	14 24	2 40	2 45
S 11	19 25	3 59	3 58	24 33	2 14	14 21	1 7	7 10	1 48	6 55	1 28	17 33	0 56	22 17	0 31	21 31	1 24	6 58	16 30	17 12	17 3	14 21	2 39	2 45
M12	19 39	2s31	3 0	24 47	2 16	14 46	1 5	6 58	1 49	6 53	1 28	17 33	0 56	22 17	0 31	21 31	1 24	6 58	16 30	17 12	17 2	14 18	2 38	2 45
T 13	19 53	8 53	1 50	25 0	2 18	15 10	1 4	6 46	1 49	6 52	1 27	17 33	0 56	22 16	0 31	21 30	1 24	6 57	16 30	17 13	17 1	14 15	2 38	2 45
W14	20 7	14 45	0 35	25 11	2 20	15 34	1 2	6 34	1 50	6 50	1 27	17 34	0 57	22 16	0 31	21 30	1 24	6 57	16 31	17 13	17 1	14 13	2 37	2 45
T 15	20 20	19 48	0s41	25 20	2 21	15 58	1 0	6 22	1 51	6 49	1 27	17 34	0 57	22 15	0 31	21 30	1 24	6 57	16 31	17 13	17 0	14 10	2 36	2 44
F 16	20 32	23 42	1 53	25 28	2 22	16 21	0 58	6 10	1 51	6 47	1 27	17 34	0 57	22 15	0 31	21 30	1 24	6 56	16 31	17 13	16 59	14 7	2 36	2 44
S 17	20 44	26 15	2 57	25 35	2 22	16 43	0 56	5 58	1 52	6 46	1 26	17 34	0 57	22 14	0 31	21 30	1 24	6 56	16 32	17 12	16 58	14 4	2 35	2 44
S 18	20 56	27 18	3 51	25 40	2 22	17 6	0 54	5 46	1 52	6 45	1 26	17 34	0 57	22 14	0 31	21 30	1 24	6 55	16 32	17 12	16 57	14 1	2 35	2 44
M19	21 8	26 54	4 33	25 44	2 21	17 27	0 52	5 34	1 53	6 43	1 26	17 34	0 57	22 14	0 31	21 29	1 24	6 55	16 32	17 11	16 56	13 59	2 34	2 44
T 20	21 19	25 9	5 0	25 46	2 19	17 49	0 50	5 22	1 54	6 42	1 26	17 35	0 58	22 13	0 31	21 29	1 24	6 55	16 33	17 10	16 55	13 56	2 34	2 43
W21	21 29	22 17	5 14	25 46	2 17	18 10	0 48	5 10	1 54	6 41	1 25	17 35	0 58	22 13	0 31	21 29	1 24	6 54	16 33	17 9	16 54	13 53	2 33	2 43
T 22	21 40	18 30	5 13	25 45	2 14	18 30	0 45	4 58	1 55	6 40	1 25	17 35	0 58	22 12	0 31	21 29	1 24	6 54	16 34	17 9	16 53	13 50	2 33	2 43
F 23	21 49	14 2	4 59	25 42	2 11	18 50	0 43	4 47	1 56	6 39	1 25	17 36	0 58	22 12	0 31	21 29	1 24	6 54	16 34	17 9	16 52	13 48	2 32	2 43
S 24	21 59	9 3	4 33	25 38	2 6	19 9	0 41	4 35	1 56	6 39	1 24	17 36	0 58	22 11	0 31	21 29	1 24	6 53	16 34	17 9	16 52	13 45	2 32	2 43
S 25	22 8	3 43	3 54	25 33	2 0	19 28	0 39	4 23	1 57	6 38	1 24	17 36	0 59	22 11	0 31	21 28	1 24	6 53	16 35	17 9	16 51	13 42	2 31	2 42
M26	22 16	1n49	3 5	25 25	1 54	19 46	0 36	4 12	1 58	6 37	1 24	17 37	0 59	22 10	0 31	21 28	1 24	6 53	16 35	17 10	16 50	13 39	2 31	2 42
T 27	22 24	7 24	2 6	25 17	1 46	20 4	0 34	4 0	1 58	6 37	1 23	17 37	0 59	22 10	0 31	21 28	1 24	6 53	16 35	17 10	16 49	13 36	2 31	2 42
W28	22 32	12 50	1 0	25 7	1 38	20 21	0 32	3 49	1 59	6 36	1 23	17 38	0 59	22 9	0 31	21 28	1 24	6 52	16 36	17 10	16 48	13 34	2 30	2 42
T 29	22 39	17 51	0n10	24 55	1 28	20 37	0 30	3 37	2 0	6 36	1 23	17 38	0 59	22 9	0 31	21 28	1 24	6 52	16 36	17 11	16 47	13 31	2 30	2 41
F 30	22s46	22n 8	1n22	24s43	1s17	20s53	0n27	3n26	2n 0	6n35	1s22	17n39	1n 0	22s 8	0s31	21n28	1s24	6n52	16n37	17n10	16n46	13s28	2n30	2n41

Julian Day Number = 2174272.5, Delta T = 12m02s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'14, Lahiri = 13°16'14 Julian Calendar 1 Nov. 1240 == Greg. Calendar 8 Nov. 1240

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ASTRODIENST EPHEMERIS for the year 1240
geocentric

DECEMBER 1240 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 8 35	16♐42'30	16♊22	5♑55	6♐53	26♍31	20°R 0	13°R58	22♑42	16°R24	21♎54	17°R38	16♉12	7♓ 3	0°R 5	S 1
S 2	5 12 31	17°43'37	0♋16	6°19	8° 9	27° 1	19♈59	13♌57	22°45	16♊22	21°55	17♉34	16° 8	7°10	0♈ 5	S 2
M 3	5 16 28	18°44'45	14°24	6°33	9°24	27°30	19°58	13°55	22°48	16°21	21°57	17°29	16° 5	7°16	0° 4	M 3
T 4	5 20 25	19°45'54	28°42	6°R37	10°40	28° 0	19°57	13°53	22°51	16°19	21°58	17°24	16° 2	7°23	0°D 4	T 4
W 5	5 24 21	20°47'02	13♌ 4	6°30	11°55	28°29	19°56	13°51	22°54	16°17	22° 0	17°19	15°59	7°30	0° 5	W 5
T 6	5 28 18	21°48'12	27°26	6°12	13°11	28°58	19°56	13°50	22°57	16°16	22° 1	17°16	15°56	7°36	0° 5	T 6
F 7	5 32 14	22°49'22	11♍43	5°41	14°26	29°27	19°56	13°47	23° 0	16°14	22° 3	17°14	15°53	7°43	0° 5	F 7
S 8	5 36 11	23°50'32	25°52	4°59	15°42	29°56	19°D56	13°45	23° 3	16°12	22° 4	17°D13	15°49	7°50	0° 5	S 8
S 9	5 40 7	24°51'43	9♎53	4° 6	16°57	0♎25	19°56	13°43	23° 6	16°10	22° 6	17°14	15°46	7°57	0° 5	S 9
M10	5 44 4	25°52'55	23°43	3° 3	18°13	0°53	19°56	13°41	23°10	16° 9	22° 7	17°15	15°43	8° 3	0° 6	M10
T 11	5 48 0	26°54'07	7♏23	1°52	19°28	1°22	19°57	13°38	23°13	16° 7	22° 8	17°17	15°40	8°10	0° 6	T 11
W12	5 51 57	27°55'19	20°53	0°35	20°44	1°50	19°57	13°36	23°16	16° 5	22°10	17°R17	15°37	8°17	0° 6	W12
T 13	5 55 54	28°56'32	4♐13	29♐14	21°59	2°18	19°59	13°33	23°19	16° 4	22°11	17°16	15°33	8°23	0° 7	T 13
F 14	5 59 50	29°57'45	17°20	27°52	23°15	2°45	20° 0	13°30	23°23	16° 2	22°12	17°12	15°30	8°30	0° 7	F 14
S 15	6 3 47	0♑58'58	0♑16	26°33	24°30	3°13	20° 1	13°27	23°26	16° 1	22°13	17° 6	15°27	8°37	0° 8	S 15
S 16	6 7 43	2° 0'11	12°59	25°17	25°46	3°40	20° 3	13°24	23°29	15°59	22°14	16°58	15°24	8°44	0° 9	S 16
M17	6 11 40	3° 1'23	25°29	24° 8	27° 1	4° 7	20° 5	13°21	23°33	15°57	22°16	16°50	15°21	8°50	0°10	M17
T 18	6 15 36	4° 2'36	7♒47	23° 7	28°17	4°34	20° 7	13°18	23°36	15°56	22°17	16°40	15°18	8°57	0°10	T 18
W19	6 19 33	5° 3'48	19°53	22°15	29°32	5° 1	20° 9	13°15	23°39	15°54	22°18	16°31	15°14	9° 4	0°11	W19
T 20	6 23 29	6° 5'00	1♓50	21°33	0♑48	5°27	20°11	13°12	23°43	15°52	22°19	16°24	15°11	9°10	0°12	T 20
F 21	6 27 26	7° 6'11	13°42	21° 1	2° 3	5°53	20°14	13° 8	23°46	15°51	22°20	16°19	15° 8	9°17	0°13	F 21
S 22	6 31 23	8° 7'22	25°32	20°39	3°19	6°19	20°17	13° 5	23°50	15°49	22°21	16°16	15° 5	9°24	0°14	S 22
S 23	6 35 19	9° 8'32	7♈26	20°26	4°34	6°45	20°20	13° 1	23°53	15°48	22°22	16°D15	15° 2	9°31	0°15	S 23
M24	6 39 16	10° 9'41	19°27	20°D23	5°50	7°10	20°23	12°57	23°56	15°46	22°23	16°15	14°59	9°37	0°16	M24
T 25	6 43 12	11°10'50	1♉43	20°28	7° 5	7°36	20°27	12°54	24° 0	15°45	22°23	16°16	14°55	9°44	0°17	T 25
W26	6 47 9	12°11'58	14°17	20°41	8°20	8° 1	20°30	12°50	24° 3	15°43	22°24	16°R17	14°52	9°51	0°19	W26
T 27	6 51 5	13°13'06	27°14	21° 1	9°36	8°25	20°34	12°46	24° 7	15°42	22°25	16°16	14°49	9°57	0°20	T 27
F 28	6 55 2	14°14'12	10♊36	21°28	10°51	8°50	20°38	12°42	24°10	15°40	22°26	16°14	14°46	10° 4	0°21	F 28
S 29	6 58 58	15°15'19	24°26	22° 1	12° 7	9°14	20°42	12°38	24°14	15°39	22°26	16° 8	14°43	10°11	0°23	S 29
S 30	7 2 55	16°16'24	8♋40	22°39	13°22	9°38	20°47	12°34	24°17	15°38	22°27	16° 1	14°40	10°18	0°24	S 30
M31	7 6 52	17♑17'29	23♋14	23♐23	14♑38	10♎ 2	20♈51	12♌30	24♑21	15♊36	22♎28	15♉51	14♉36	10♓24	0♈25	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s52	25n20	2n31	24s29	1s 5	21s 9	0n25	3n14	2n 1	6n35	1s22	17n39	1n 0	22s 8	0s31	21n27	1s24	6n52	16n37	17n10	16n45	13s25	2n30	2n41
S 2	22 58	27 4	3 32	24 14	0 51	21 23	0 22	3 3	2 2	6 35	1 22	17 40	1 0	22 7	0 31	21 27	1 24	6 52	16 38	17 9	16 44	13 22	2 29	2 41
M 3	23 4	27 5	4 21	23 59	0 36	21 37	0 20	2 52	2 2	6 35	1 22	17 41	1 0	22 7	0 31	21 27	1 24	6 52	16 38	17 7	16 43	13 19	2 29	2 41
T 4	23 9	25 19	4 55	23 43	0 20	21 51	0 18	2 41	2 3	6 35	1 21	17 41	1 0	22 6	0 31	21 27	1 24	6 51	16 39	17 6	16 42	13 17	2 29	2 40
W 5	23 13	21 55	5 11	23 26	0 3	22 4	0 15	2 30	2 4	6 35	1 21	17 42	1 1	22 6	0 31	21 27	1 23	6 51	16 39	17 4	16 41	13 14	2 29	2 40
T 6	23 17	17 12	5 7	23 8	0n15	22 16	0 13	2 19	2 4	6 35	1 21	17 43	1 1	22 5	0 31	21 27	1 23	6 51	16 39	17 3	16 41	13 11	2 28	2 40
F 7	23 21	11 34	4 44	22 50	0 35	22 27	0 10	2 8	2 5	6 35	1 20	17 44	1 1	22 5	0 31	21 26	1 23	6 51	16 40	17 3	16 40	13 8	2 28	2 40
S 8	23 24	5 22	4 4	22 32	0 54	22 38	0 8	1 57	2 6	6 35	1 20	17 45	1 1	22 4	0 31	21 26	1 23	6 51	16 40	17 3	16 39	13 5	2 28	2 40
S 9	23 26	1s 2	3 9	22 14	1 14	22 48	0 6	1 46	2 6	6 36	1 20	17 45	1 1	22 4	0 31	21 26	1 23	6 51	16 41	17 3	16 38	13 2	2 28	2 39
M10	23 28	7 19	2 5	21 56	1 34	22 58	0 3	1 35	2 7	6 36	1 19	17 46	1 2	22 3	0 31	21 26	1 23	6 51	16 41	17 3	16 37	13 0	2 28	2 39
T 11	23 30	13 12	0 54	21 39	1 53	23 6	0 1	1 24	2 8	6 37	1 19	17 47	1 2	22 3	0 31	21 26	1 23	6 51	16 42	17 4	16 36	12 57	2 28	2 39
W12	23 31	18 22	0s20	21 22	2 11	23 15	0s 2	1 14	2 8	6 37	1 19	17 48	1 2	22 2	0 31	21 26	1 23	6 51	16 42	17 4	16 35	12 54	2 28	2 39
T 13	23 32	22 33	1 30	21 6	2 27	23 22	0 4	1 3	2 9	6 38	1 18	17 49	1 2	22 1	0 31	21 25	1 23	6 51	16 43	17 3	16 34	12 51	2 28	2 38
F 14	23 32	25 31	2 35	20 51	2 41	23 28	0 7	0 53	2 10	6 39	1 18	17 50	1 2	22 1	0 31	21 25	1 23	6 51	16 43	17 2	16 33	12 48	2 28	2 38
S 15	23 32	27 3	3 31	20 37	2 53	23 34	0 9	0 43	2 10	6 40	1 18	17 51	1 2	22 0	0 31	21 25	1 23	6 51	16 44	17 1	16 32	12 45	2 28	2 38
S 16	23 31	27 8	4 15	20 25	3 2	23 40	0 11	0 32	2 11	6 41	1 17	17 52	1 3	22 0	0 31	21 25	1 23	6 51	16 44	16 59	16 31	12 42	2 28	2 38
M17	23 30	25 49	4 46	20 16	3 9	23 44	0 14	0 22	2 12	6 42	1 17	17 53	1 3	21 59	0 31	21 25	1 23	6 51	16 45	16 56	16 30	12 40	2 28	2 38
T 18	23 29	23 17	5 3	20 8	3 14	23 48	0 16	0 12	2 13	6 43	1 17	17 54	1 3	21 59	0 31	21 25	1 23	6 51	16 45	16 53	16 29	12 37	2 28	2 37
W19	23 27	19 45	5 6	20 3	3 16	23 51	0 18	0 2	2 13	6 44	1 16	17 55	1 3	21 58	0 31	21 25	1 23	6 51	16 46	16 51	16 28	12 34	2 29	2 37
T 20	23 24	15 28	4 56	20 0	3 16	23 53	0 21	0s 8	2 14	6 45	1 16	17 56	1 3	21 57	0 31	21 24	1 23	6 51	16 46	16 49	16 28	12 31	2 29	2 37
F 21	23 21	10 38	4 33	20 0	3 14	23 54	0 23	0 17	2 15	6 46	1 16	17 58	1 3	21 57	0 31	21 24	1 23	6 52	16 47	16 47	16 27	12 28	2 29	2 37
S 22	23 17	5 25	3 58	20 2	3 11	23 55	0 25	0 27	2 15	6 48	1 15	17 59	1 4	21 56	0 31	21 24	1 23	6 52	16 48	16 46	16 26	12 25	2 29	2 37
S 23	23 13	0n 0	3 13	20 6	3 6	23 55	0 28	0 36	2 16	6 49	1 15	18 0	1 4	21 56	0 31	21 24	1 23	6 52	16 48	16 46	16 25	12 22	2 29	2 36
M24	23 9	5 30	2 19	20 11	3 1	23 54	0 30	0 46	2 17	6 51	1 15	18 1	1 4	21 55	0 31	21 24	1 23	6 52	16 49	16 46	16 24	12 19	2 30	2 36
T 25	23 4	10 55	1 17	20 18	2 54	23 53	0 32	0 55	2 18	6 52	1 14	18 2	1 4	21 54	0 31	21 24	1 23	6 52	16 49	16 46	16 23	12 16	2 30	2 36
W26	22 59	16 1	0 11	20 27	2 46	23 51	0 34	1 4	2 18	6 54	1 14	18 4	1 4	21 54	0 31	21 24	1 23	6 53	16 50	16 47	16 22	12 13	2 30	2 36
T 27	22 53	20 34	0n58	20 37	2 38	23 48	0 36	1 13	2 19	6 56	1 14	18 5	1 5	21 53	0 31	21 24	1 23	6 53	16 50	16 46	16 21	12 11	2 30	2 36
F 28	22 46	24 13	2 6	20 47	2 29	23 44	0 39	1 22	2 20	6 57	1 14	18 6	1 5	21 53	0 31	21 23	1 23	6 53	16 51	16 46	16 20	12 8	2 31	2 35
S 29	22 40	26 34	3 9	20 58	2 20	23 40	0 41	1 31	2 21	6 59	1 13	18 7	1 5	21 52	0 31	21 23	1 23	6 53	16 51	16 44	16 19	12 5	2 31	2 35
S 30	22 33	27 16	4 2	21 10	2 11	23 34	0 43	1 40	2 21	7 1	1 13	18 9	1 5	21 51	0 31	21 23	1 23	6 54	16 52	16 42	16 18	12 2	2 32	2 35
M31	22s25	26n 8	4n40	21s21	2n 1	23s29	0s45	1s49	2n22	7n 3	1s13	18n10	1n 5	21s51	0s31	21n23	1s23	6n54	16n52	16n39	16n17	11s59	2n32	2n35

Julian Day Number = 2174302.5, Delta T = 12m02s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'18, Lahiri = 13°16'18 Julian Calendar 1 Dec. 1240 == Greg. Calendar 8 Dec. 1240

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

JANUARY 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 10 48	18♑18'33	8♌ 1	24♐11	15♑53	10♎25	20♈56	12°R26	24♑24	15°R35	22♎28	15°R41	14♉33	10♓31	0♈27	T 1
W 2	7 14 45	19°19'37	22°53	25° 2	17° 8	10°48	21° 1	12♌22	24°28	15♊33	22°29	15♉31	14°30	10°38	0°29	W 2
T 3	7 18 41	20°20'40	7♍40	25°58	18°24	11°11	21° 6	12°17	24°31	15°32	22°30	15°23	14°27	10°44	0°30	T 3
F 4	7 22 38	21°21'42	22°16	26°56	19°39	11°33	21°11	12°13	24°35	15°31	22°30	15°17	14°24	10°51	0°32	F 4
S 5	7 26 34	22°22'44	6♎36	27°58	20°54	11°55	21°17	12° 9	24°38	15°29	22°31	15°14	14°20	10°58	0°34	S 5
S 6	7 30 31	23°23'45	20°38	29° 2	22°10	12°17	21°23	12° 4	24°42	15°28	22°31	15°D13	14°17	11° 5	0°35	S 6
M 7	7 34 28	24°24'46	4♏21	0♑ 8	23°25	12°39	21°28	12° 0	24°45	15°27	22°31	15°13	14°14	11°11	0°37	M 7
T 8	7 38 24	25°25'46	17°47	1°17	24°41	13° 0	21°34	11°55	24°49	15°26	22°32	15°R13	14°11	11°18	0°39	T 8
W 9	7 42 21	26°26'46	0♐58	2°28	25°56	13°21	21°41	11°50	24°52	15°24	22°32	15°12	14° 8	11°25	0°41	W 9
T 10	7 46 17	27°27'45	13°56	3°41	27°11	13°41	21°47	11°46	24°56	15°23	22°32	15° 9	14° 5	11°31	0°43	T 10
F 11	7 50 14	28°28'43	26°42	4°55	28°27	14° 1	21°53	11°41	24°59	15°22	22°33	15° 3	14° 1	11°38	0°45	F 11
S 12	7 54 10	29°29'40	9♑18	6°11	29°42	14°21	22° 0	11°36	25° 3	15°21	22°33	14°53	13°58	11°45	0°47	S 12
S 13	7 58 7	0♒30'36	21°44	7°28	0♒57	14°40	22° 7	11°32	25° 6	15°20	22°33	14°41	13°55	11°51	0°49	S 13
M14	8 2 3	1°31'32	4♒ 1	8°47	2°13	14°59	22°14	11°27	25°10	15°19	22°33	14°28	13°52	11°58	0°52	M14
T 15	8 6 0	2°32'26	16°10	10° 7	3°28	15°18	22°21	11°22	25°14	15°18	22°33	14°13	13°49	12° 5	0°54	T 15
W16	8 9 57	3°33'18	28°11	11°28	4°43	15°36	22°28	11°17	25°17	15°17	22°33	13°59	13°46	12°12	0°56	W16
T 17	8 13 53	4°34'10	10♓ 5	12°51	5°58	15°54	22°36	11°13	25°21	15°16	22°R33	13°47	13°42	12°18	0°58	T 17
F 18	8 17 50	5°35'00	21°55	14°14	7°14	16°11	22°43	11° 8	25°24	15°15	22°33	13°37	13°39	12°25	1° 1	F 18
S 19	8 21 46	6°35'48	3♈44	15°39	8°29	16°28	22°51	11° 3	25°27	15°14	22°33	13°30	13°36	12°32	1° 3	S 19
S 20	8 25 43	7°36'35	15°35	17° 4	9°44	16°44	22°59	10°58	25°31	15°13	22°33	13°26	13°33	12°38	1° 5	S 20
M21	8 29 39	8°37'20	27°34	18°31	10°59	17° 0	23° 7	10°53	25°34	15°12	22°33	13°25	13°30	12°45	1° 8	M21
T 22	8 33 36	9°38'04	9♉45	19°58	12°15	17°16	23°15	10°48	25°38	15°11	22°33	13°24	13°26	12°52	1°10	T 22
W23	8 37 32	10°38'46	22°14	21°27	13°30	17°31	23°24	10°43	25°41	15°10	22°33	13°24	13°23	12°59	1°13	W23
T 24	8 41 29	11°39'27	5♊ 6	22°56	14°45	17°45	23°32	10°38	25°45	15°10	22°33	13°23	13°20	13° 5	1°16	T 24
F 25	8 45 26	12°40'06	18°25	24°26	16° 0	17°59	23°41	10°34	25°48	15° 9	22°32	13°20	13°17	13°12	1°18	F 25
S 26	8 49 22	13°40'43	2♋15	25°58	17°15	18°13	23°50	10°29	25°52	15° 8	22°32	13°14	13°14	13°19	1°21	S 26
S 27	8 53 19	14°41'19	16°34	27°30	18°30	18°26	23°59	10°24	25°55	15° 7	22°32	13° 5	13°11	13°25	1°24	S 27
M28	8 57 15	15°41'53	1♌19	29° 3	19°45	18°39	24° 8	10°19	25°58	15° 7	22°31	12°55	13° 7	13°32	1°26	M28
T 29	9 1 12	16°42'25	16°23	0♒36	21° 1	18°51	24°17	10°14	26° 2	15° 6	22°31	12°43	13° 4	13°39	1°29	T 29
W30	9 5 8	17°42'55	1♍36	2°11	22°16	19° 2	24°26	10° 9	26° 5	15° 5	22°30	12°31	13° 1	13°45	1°32	W30
T 31	9 9 5	18♒43'24	16♍47	3♒47	23♒31	19♎13	24♈35	10♌ 5	26♑ 8	15♊ 5	22♎30	12♉22	12♉58	13♓52	1♈35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s17	23n10	5n 0	21s33	1n51	23s22	0s47	1s57	2n23	7n 5	1s12	18n11	1n 5	21s50	0s31	21n23	1s23	6n54	16n53	16n36	16n16	11s56	2n32	2n34
W 2	22 8	18 40	5 1	21 45	1 42	23 15	0 49	2 5	2 24	7 7	1 12	18 13	1 5	21 49	0 31	21 23	1 23	6 54	16 54	16 33	16 15	11 53	2 33	2 34
T 3	21 59	13 4	4 41	21 57	1 32	23 6	0 51	2 14	2 24	7 10	1 12	18 14	1 6	21 49	0 31	21 23	1 23	6 55	16 54	16 31	16 14	11 50	2 33	2 34
F 4	21 50	6 48	4 3	22 8	1 22	22 58	0 53	2 22	2 25	7 12	1 11	18 15	1 6	21 48	0 31	21 23	1 23	6 55	16 55	16 29	16 13	11 47	2 34	2 34
S 5	21 40	0 16	3 10	22 19	1 13	22 48	0 55	2 30	2 26	7 14	1 11	18 17	1 6	21 48	0 31	21 23	1 23	6 55	16 55	16 28	16 13	11 44	2 34	2 34
S 6	21 30	6s 8	2 7	22 29	1 3	22 38	0 56	2 38	2 27	7 17	1 11	18 18	1 6	21 47	0 31	21 22	1 23	6 56	16 56	16 28	16 12	11 41	2 35	2 33
M 7	21 20	12 7	0 57	22 39	0 53	22 27	0 58	2 45	2 27	7 19	1 11	18 20	1 6	21 46	0 31	21 22	1 23	6 56	16 56	16 28	16 11	11 38	2 35	2 33
T 8	21 9	17 25	0s14	22 48	0 44	22 16	1 0	2 53	2 28	7 22	1 10	18 21	1 6	21 46	0 31	21 22	1 23	6 57	16 57	16 28	16 10	11 35	2 36	2 33
W 9	20 57	21 47	1 22	22 56	0 35	22 3	1 2	3 0	2 29	7 24	1 10	18 22	1 6	21 45	0 31	21 22	1 23	6 57	16 57	16 28	16 9	11 32	2 37	2 33
T 10	20 45	24 59	2 26	23 3	0 26	21 51	1 3	3 7	2 30	7 27	1 10	18 24	1 7	21 44	0 31	21 22	1 23	6 57	16 58	16 27	16 8	11 29	2 37	2 33
F 11	20 33	26 51	3 21	23 10	0 17	21 37	1 5	3 14	2 30	7 29	1 9	18 25	1 7	21 44	0 31	21 22	1 22	6 58	16 59	16 25	16 7	11 26	2 38	2 33
S 12	20 21	27 17	4 5	23 15	0 8	21 23	1 6	3 21	2 31	7 32	1 9	18 27	1 7	21 43	0 31	21 22	1 22	6 58	16 59	16 22	16 6	11 23	2 39	2 32
S 13	20 8	26 20	4 37	23 20	0s 0	21 8	1 8	3 28	2 32	7 35	1 9	18 28	1 7	21 43	0 31	21 22	1 22	6 59	17 0	16 19	16 5	11 21	2 39	2 32
M14	19 54	24 6	4 55	23 23	0 9	20 52	1 9	3 35	2 33	7 38	1 9	18 30	1 7	21 42	0 31	21 22	1 22	6 59	17 0	16 15	16 4	11 18	2 40	2 32
T 15	19 41	20 49	5 0	23 26	0 17	20 36	1 11	3 41	2 34	7 41	1 8	18 31	1 7	21 41	0 31	21 22	1 22	7 0	17 1	16 10	16 3	11 15	2 41	2 32
W16	19 26	16 42	4 51	23 27	0 25	20 20	1 12	3 48	2 34	7 44	1 8	18 32	1 7	21 41	0 31	21 22	1 22	7 0	17 1	16 6	16 2	11 12	2 41	2 32
T 17	19 12	11 58	4 29	23 27	0 32	20 2	1 13	3 54	2 35	7 47	1 8	18 34	1 7	21 40	0 31	21 22	1 22	7 1	17 2	16 2	16 1	11 9	2 42	2 31
F 18	18 57	6 50	3 56	23 26	0 40	19 45	1 15	4 0	2 36	7 50	1 7	18 35	1 8	21 39	0 31	21 21	1 22	7 1	17 3	16 0	16 0	11 6	2 43	2 31
S 19	18 42	1 28	3 13	23 23	0 47	19 26	1 16	4 5	2 37	7 53	1 7	18 37	1 8	21 39	0 31	21 21	1 22	7 2	17 3	15 57	15 59	11 3	2 44	2 31
S 20	18 27	3n59	2 21	23 20	0 54	19 7	1 17	4 11	2 37	7 56	1 7	18 38	1 8	21 38	0 31	21 21	1 22	7 2	17 4	15 56	15 58	11 0	2 44	2 31
M21	18 11	9 22	1 23	23 15	1 0	18 48	1 18	4 16	2 38	7 59	1 7	18 40	1 8	21 37	0 31	21 21	1 22	7 3	17 4	15 56	15 57	10 57	2 45	2 31
T 22	17 55	14 29	0 19	23 9	1 7	18 28	1 19	4 22	2 39	8 3	1 6	18 41	1 8	21 37	0 31	21 21	1 22	7 3	17 5	15 56	15 56	10 54	2 46	2 31
W23	17 38	19 9	0n47	23 1	1 13	18 7	1 20	4 27	2 40	8 6	1 6	18 43	1 8	21 36	0 31	21 21	1 22	7 4	17 5	15 56	15 55	10 51	2 47	2 30
T 24	17 22	23 4	1 52	22 52	1 18	17 46	1 21	4 32	2 40	8 9	1 6	18 44	1 8	21 36	0 31	21 21	1 22	7 5	17 6	15 55	15 54	10 48	2 48	2 30
F 25	17 5	25 55	2 54	22 42	1 24	17 24	1 22	4 36	2 41	8 13	1 6	18 45	1 8	21 35	0 31	21 21	1 22	7 5	17 6	15 54	15 53	10 45	2 49	2 30
S 26	16 47	27 19	3 47	22 30	1 29	17 2	1 22	4 41	2 42	8 16	1 5	18 47	1 8	21 34	0 31	21 21	1 22	7 6	17 7	15 53	15 53	10 42	2 50	2 30
S 27	16 30	26 57	4 29	22 17	1 34	16 40	1 23	4 45	2 43	8 20	1 5	18 48	1 8	21 34	0 31	21 21	1 22	7 6	17 7	15 50	15 52	10 39	2 51	2 30
M28	16 12	24 43	4 54	22 3	1 39	16 17	1 24	4 49	2 43	8 23	1 5	18 50	1 9	21 33	0 31	21 21	1 22	7 7	17 8	15 47	15 51	10 36	2 52	2 30
T 29	15 54	20 45	4 59	21 47	1 43	15 53	1 24	4 53	2 44	8 27	1 5	18 51	1 9	21 33	0 31	21 21	1 22	7 8	17 8	15 43	15 50	10 33	2 53	2 29
W30	15 35	15 22	4 44	21 30	1 47	15 29	1 25	4 57	2 45	8 31	1 4	18 52	1 9	21 32	0 31	21 21	1 22	7 8	17 9	15 40	15 49	10 30	2 54	2 29
T 31	15s17	9n 3	4n 8	21s11	1s51	15s 5	1s25	5s 0	2n45	8n34	1s 4	18n54	1n 9	21s31	0s31	21n21	1s22	7n 9	17n10	15n37	15n48	10s27	2n54	2n29

Julian Day Number = 2174333.5, Delta T = 12m02s
Ecliptic obliquity = 23°32'22, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'22, Lahiri = 13°16'22 Julian Calendar 1 Jan. 1241 == Greg. Calendar 8 Jan. 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

FEBRUARY 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 13 1	19♒43'52	1♎45	5♒23	24♒46	19♎24	24♈45	10°R 0	26♏12	15°R 4	22°R29	12°R14	12♉55	13♓59	1♈38	F 1
S 2	9 16 58	20°44'18	16°24	7° 1	26° 1	19°34	24°55	9♌55	26°15	15♊ 4	22♎29	12♉10	12°51	14° 6	1°40	S 2
S 3	9 20 55	21°44'42	0♏39	8°39	27°16	19°43	25° 4	9°50	26°18	15° 3	22°28	12° 8	12°48	14°12	1°43	S 3
M 4	9 24 51	22°45'06	14°29	10°19	28°31	19°52	25°14	9°46	26°21	15° 3	22°28	12°D 8	12°45	14°19	1°46	M 4
T 5	9 28 48	23°45'28	27°55	11°59	29°46	20° 0	25°24	9°41	26°25	15° 2	22°27	12°R 8	12°42	14°26	1°49	T 5
W 6	9 32 44	24°45'48	11♐ 0	13°41	1♓ 1	20° 7	25°34	9°36	26°28	15° 2	22°27	12° 7	12°39	14°32	1°52	W 6
T 7	9 36 41	25°46'08	23°48	15°23	2°16	20°14	25°45	9°32	26°31	15° 2	22°26	12° 4	12°36	14°39	1°56	T 7
F 8	9 40 37	26°46'25	6♑20	17° 6	3°31	20°20	25°55	9°27	26°34	15° 1	22°25	11°58	12°32	14°46	1°59	F 8
S 9	9 44 34	27°46'41	18°42	18°51	4°46	20°25	26° 5	9°23	26°37	15° 1	22°24	11°49	12°29	14°53	2° 2	S 9
S 10	9 48 30	28°46'56	0♒54	20°36	6° 1	20°30	26°16	9°18	26°40	15° 1	22°24	11°38	12°26	14°59	2° 5	S 10
M11	9 52 27	29°47'08	12°59	22°22	7°15	20°34	26°27	9°14	26°44	15° 1	22°23	11°25	12°23	15° 6	2° 8	M11
T 12	9 56 24	0♓47'19	24°59	24°10	8°30	20°38	26°38	9° 9	26°47	15° 1	22°22	11°11	12°20	15°13	2°11	T 12
W13	10 0 20	1°47'28	6♓53	25°58	9°45	20°41	26°48	9° 5	26°50	15° 0	22°21	10°58	12°17	15°19	2°14	W13
T 14	10 4 17	2°47'35	18°44	27°48	11° 0	20°43	26°59	9° 1	26°53	15° 0	22°20	10°46	12°13	15°26	2°18	T 14
F 15	10 8 13	3°47'40	0♈34	29°39	12°15	20°44	27°11	8°57	26°56	15° 0	22°19	10°37	12°10	15°33	2°21	F 15
S 16	10 12 10	4°47'43	12°23	1♓30	13°30	20°R45	27°22	8°52	26°59	15° 0	22°18	10°30	12° 7	15°39	2°24	S 16
S 17	10 16 6	5°47'44	24°16	3°23	14°44	20°44	27°33	8°48	27° 2	15°D 0	22°17	10°26	12° 4	15°46	2°28	S 17
M18	10 20 3	6°47'43	6♉16	5°17	15°59	20°44	27°44	8°44	27° 5	15° 0	22°16	10°D25	12° 1	15°53	2°31	M18
T 19	10 23 59	7°47'40	18°27	7°12	17°14	20°42	27°56	8°40	27° 7	15° 0	22°15	10°25	11°57	16° 0	2°34	T 19
W20	10 27 56	8°47'35	0♊53	9° 7	18°29	20°40	28° 7	8°36	27°10	15° 0	22°14	10°26	11°54	16° 6	2°38	W20
T 21	10 31 53	9°47'27	13°41	11° 4	19°43	20°37	28°19	8°33	27°13	15° 0	22°13	10°R26	11°51	16°13	2°41	T 21
F 22	10 35 49	10°47'17	26°53	13° 1	20°58	20°33	28°31	8°29	27°16	15° 1	22°12	10°25	11°48	16°20	2°45	F 22
S 23	10 39 46	11°47'05	10♋34	14°59	22°13	20°28	28°43	8°25	27°19	15° 1	22°11	10°21	11°45	16°26	2°48	S 23
S 24	10 43 42	12°46'51	24°45	16°58	23°27	20°23	28°54	8°22	27°21	15° 1	22° 9	10°16	11°42	16°33	2°51	S 24
M25	10 47 39	13°46'34	9♌24	18°57	24°42	20°16	29° 6	8°18	27°24	15° 1	22° 8	10° 8	11°38	16°40	2°55	M25
T 26	10 51 35	14°46'15	24°26	20°57	25°56	20° 9	29°18	8°15	27°27	15° 2	22° 7	10° 0	11°35	16°46	2°58	T 26
W27	10 55 32	15°45'54	9♍42	22°56	27°11	20° 2	29°31	8°11	27°29	15° 2	22° 6	9°51	11°32	16°53	3° 2	W27
T 28	10 59 28	16♓45'31	25♍ 2	24♓55	28♓25	19♎53	29♈43	8♌ 8	27♏32	15♊ 2	22♎ 4	9♉44	11♉29	17♓ 0	3♈ 5	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s58	2n17	3n16	20s50	1s54	14s40	1s26	5s 4	2n46	8n38	1s 4	18n55	1n 9	21s31	0s31	21n21	1s21	7n10	17n10	15n34	15n47	10s24	2n56	2n29
S 2	14 38	4s27	2 11	20 29	1 57	14 15	1 26	5 7	2 47	8 42	1 4	18 57	1 9	21 30	0 31	21 21	1 21	7 10	17 11	15 33	15 46	10 20	2 57	2 29
S 3	14 19	10 48	1 0	20 6	1 59	13 49	1 26	5 10	2 47	8 46	1 3	18 58	1 9	21 29	0 31	21 21	1 21	7 11	17 11	15 32	15 45	10 17	2 58	2 29
M 4	13 59	16 27	0s12	19 41	2 2	13 23	1 27	5 12	2 48	8 49	1 3	18 59	1 9	21 29	0 31	21 21	1 21	7 12	17 12	15 32	15 44	10 14	2 59	2 28
T 5	13 39	21 7	1 23	19 15	2 3	12 57	1 27	5 15	2 49	8 53	1 3	19 1	1 9	21 28	0 31	21 21	1 21	7 12	17 12	15 32	15 43	10 11	3 0	2 28
W 6	13 19	24 36	2 26	18 47	2 5	12 31	1 27	5 17	2 49	8 57	1 3	19 2	1 9	21 28	0 31	21 21	1 21	7 13	17 13	15 32	15 42	10 8	3 1	2 28
T 7	12 59	26 45	3 21	18 18	2 6	12 4	1 27	5 19	2 50	9 1	1 3	19 3	1 9	21 27	0 31	21 21	1 21	7 14	17 13	15 31	15 41	10 5	3 2	2 28
F 8	12 38	27 28	4 5	17 47	2 7	11 36	1 27	5 21	2 51	9 5	1 2	19 5	1 9	21 26	0 31	21 21	1 21	7 14	17 14	15 29	15 40	10 2	3 3	2 28
S 9	12 18	26 48	4 37	17 15	2 7	11 9	1 27	5 22	2 51	9 9	1 2	19 6	1 9	21 26	0 31	21 21	1 21	7 15	17 14	15 27	15 39	9 59	3 4	2 28
S 10	11 57	24 51	4 56	16 41	2 6	10 41	1 26	5 23	2 52	9 13	1 2	19 7	1 9	21 25	0 31	21 21	1 21	7 16	17 14	15 23	15 38	9 56	3 5	2 28
M11	11 36	21 47	5 1	16 6	2 6	10 13	1 26	5 24	2 52	9 17	1 2	19 8	1 9	21 25	0 31	21 21	1 21	7 16	17 15	15 19	15 37	9 53	3 6	2 27
T 12	11 14	17 50	4 52	15 29	2 5	9 44	1 26	5 25	2 53	9 21	1 1	19 9	1 10	21 24	0 31	21 21	1 21	7 17	17 15	15 15	15 36	9 50	3 8	2 27
W13	10 53	13 13	4 31	14 50	2 3	9 16	1 26	5 26	2 53	9 25	1 1	19 11	1 10	21 24	0 31	21 21	1 21	7 18	17 16	15 11	15 35	9 47	3 9	2 27
T 14	10 31	8 7	3 58	14 11	2 1	8 47	1 25	5 26	2 54	9 30	1 1	19 12	1 10	21 23	0 31	21 21	1 21	7 19	17 16	15 7	15 34	9 44	3 10	2 27
F 15	10 9	2 45	3 15	13 29	1 58	8 18	1 25	5 26	2 54	9 34	1 1	19 13	1 10	21 22	0 31	21 21	1 21	7 19	17 17	15 4	15 33	9 41	3 11	2 27
S 16	9 48	2n43	2 23	12 46	1 55	7 48	1 24	5 26	2 55	9 38	1 1	19 14	1 10	21 22	0 32	21 21	1 21	7 20	17 17	15 2	15 32	9 38	3 12	2 27
S 17	9 25	8 8	1 25	12 2	1 51	7 19	1 23	5 26	2 55	9 42	1 0	19 15	1 10	21 21	0 32	21 21	1 21	7 21	17 18	15 1	15 31	9 35	3 13	2 27
M18	9 3	13 19	0 22	11 16	1 47	6 49	1 23	5 25	2 56	9 47	1 0	19 16	1 10	21 21	0 32	21 21	1 21	7 22	17 18	15 0	15 30	9 32	3 15	2 27
T 19	8 41	18 5	0n43	10 29	1 42	6 19	1 22	5 24	2 56	9 51	1 0	19 17	1 10	21 20	0 32	21 22	1 21	7 22	17 18	15 0	15 29	9 29	3 16	2 26
W20	8 18	22 10	1 47	9 41	1 37	5 49	1 21	5 23	2 56	9 55	1 0	19 18	1 10	21 20	0 32	21 22	1 20	7 23	17 19	15 1	15 28	9 25	3 17	2 26
T 21	7 56	25 19	2 48	8 51	1 31	5 19	1 20	5 21	2 57	10 0	1 0	19 20	1 10	21 19	0 32	21 22	1 20	7 24	17 19	15 1	15 27	9 22	3 18	2 26
F 22	7 33	27 12	3 42	8 0	1 25	4 49	1 19	5 20	2 57	10 4	0 59	19 21	1 10	21 19	0 32	21 22	1 20	7 25	17 20	15 0	15 26	9 19	3 20	2 26
S 23	7 10	27 31	4 25	7 8	1 18	4 18	1 18	5 18	2 57	10 8	0 59	19 21	1 10	21 18	0 32	21 22	1 20	7 25	17 20	14 59	15 25	9 16	3 21	2 26
S 24	6 47	26 5	4 54	6 14	1 10	3 48	1 17	5 16	2 57	10 13	0 59	19 22	1 10	21 18	0 32	21 22	1 20	7 26	17 20	14 57	15 24	9 13	3 22	2 26
M25	6 24	22 52	5 5	5 20	1 2	3 17	1 16	5 13	2 57	10 17	0 59	19 23	1 10	21 17	0 32	21 22	1 20	7 27	17 21	14 55	15 23	9 10	3 24	2 26
T 26	6 1	18 4	4 56	4 25	0 53	2 46	1 15	5 10	2 57	10 22	0 59	19 24	1 10	21 17	0 32	21 22	1 20	7 28	17 21	14 52	15 22	9 7	3 25	2 26
W27	5 38	12 3	4 25	3 29	0 44	2 15	1 14	5 7	2 57	10 26	0 59	19 25	1 10	21 16	0 32	21 22	1 20	7 29	17 21	14 50	15 21	9 4	3 26	2 26
T 28	5s15	5n17	3n36	2s33	0s34	1s44	1s12	5s 4	2n57	10n30	0s58	19n26	1n10	21s16	0s32	21n22	1s20	7n29	17n22	14n47	15n20	9s 1	3n27	2n25

Julian Day Number = 2174364.5, Delta T = 12m02s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'26, Lahiri = 13°16'27 Julian Calendar 1 Feb. 1241 == Greg. Calendar 8 Feb. 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

MARCH 1241 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 3 25	17♓45'05	10♎14	26♓54	29♓40	19°R44	29♈55	8°R 5	27♑35	15♊ 3	22°R 3	9°R38	11♉26	17♓ 6	3♈ 9	F 1
S 2	11 7 21	18°44'38	25° 8	28°52	0♈54	19♎34	0♉ 7	8♌ 2	27°37	15° 3	22♎ 2	9♉35	11°23	17°13	3°13	S 2
S 3	11 11 18	19°44'09	9♏38	0♈49	2° 9	19°23	0°20	7°59	27°40	15° 4	22° 1	9°D35	11°19	17°20	3°16	S 3
M 4	11 15 15	20°43'38	23°41	2°45	3°23	19°12	0°32	7°56	27°42	15° 4	21°59	9°35	11°16	17°27	3°20	M 4
T 5	11 19 11	21°43'06	7♐17	4°39	4°38	19° 0	0°45	7°53	27°44	15° 5	21°58	9°36	11°13	17°33	3°23	T 5
W 6	11 23 8	22°42'32	20°27	6°30	5°52	18°47	0°57	7°50	27°47	15° 5	21°56	9°R37	11°10	17°40	3°27	W 6
T 7	11 27 4	23°41'56	3♑15	8°19	7° 6	18°33	1°10	7°48	27°49	15° 6	21°55	9°37	11° 7	17°47	3°30	T 7
F 8	11 31 1	24°41'18	15°44	10° 5	8°21	18°18	1°23	7°45	27°51	15° 7	21°54	9°34	11° 3	17°53	3°34	F 8
S 9	11 34 57	25°40'38	28° 0	11°47	9°35	18° 3	1°36	7°43	27°54	15° 7	21°52	9°30	11° 0	18° 0	3°38	S 9
S 10	11 38 54	26°39'57	10♒ 4	13°25	10°49	17°47	1°49	7°40	27°56	15° 8	21°51	9°24	10°57	18° 7	3°41	S 10
M11	11 42 50	27°39'13	22° 2	14°59	12° 3	17°31	2° 2	7°38	27°58	15° 9	21°49	9°17	10°54	18°13	3°45	M11
T 12	11 46 47	28°38'28	3♓55	16°29	13°18	17°14	2°15	7°36	28° 0	15° 9	21°48	9° 9	10°51	18°20	3°48	T 12
W13	11 50 44	29°37'40	15°45	17°53	14°32	16°56	2°28	7°34	28° 2	15°10	21°46	9° 1	10°48	18°27	3°52	W13
T 14	11 54 40	0♈36'51	27°35	19°12	15°46	16°38	2°41	7°32	28° 4	15°11	21°44	8°54	10°44	18°34	3°56	T 14
F 15	11 58 37	1°35'59	9♈26	20°25	17° 0	16°19	2°54	7°30	28° 6	15°12	21°43	8°49	10°41	18°40	3°59	F 15
S 16	12 2 33	2°35'06	21°21	21°33	18°14	15°59	3° 7	7°28	28° 8	15°13	21°41	8°46	10°38	18°47	4° 3	S 16
S 17	12 6 30	3°34'10	3♉20	22°34	19°28	15°39	3°20	7°26	28°10	15°14	21°40	8°D44	10°35	18°54	4° 7	S 17
M18	12 10 26	4°33'12	15°28	23°29	20°42	15°19	3°34	7°25	28°12	15°15	21°38	8°44	10°32	19° 0	4°10	M18
T 19	12 14 23	5°32'12	27°46	24°18	21°56	14°58	3°47	7°23	28°14	15°16	21°37	8°45	10°28	19° 7	4°14	T 19
W20	12 18 19	6°31'10	10♊17	25° 0	23°10	14°37	4° 0	7°22	28°16	15°17	21°35	8°47	10°25	19°14	4°18	W20
T 21	12 22 16	7°30'05	23° 6	25°35	24°24	14°15	4°14	7°21	28°18	15°18	21°33	8°49	10°22	19°20	4°21	T 21
F 22	12 26 13	8°28'58	6♋17	26° 4	25°38	13°53	4°27	7°19	28°19	15°19	21°32	8°R49	10°19	19°27	4°25	F 22
S 23	12 30 9	9°27'49	19°51	26°26	26°52	13°31	4°41	7°18	28°21	15°20	21°30	8°49	10°16	19°34	4°28	S 23
S 24	12 34 6	10°26'37	3♌50	26°42	28° 6	13° 9	4°54	7°17	28°23	15°21	21°28	8°47	10°13	19°40	4°32	S 24
M25	12 38 2	11°25'23	18°14	26°51	29°20	12°46	5° 8	7°17	28°24	15°22	21°27	8°44	10° 9	19°47	4°36	M25
T 26	12 41 59	12°24'07	3♍ 0	26°R53	0♉33	12°24	5°22	7°16	28°26	15°23	21°25	8°41	10° 6	19°54	4°39	T 26
W27	12 45 55	13°22'49	18° 2	26°49	1°47	12° 1	5°35	7°15	28°27	15°25	21°23	8°37	10° 3	20° 1	4°43	W27
T 28	12 49 52	14°21'28	3♎11	26°40	3° 1	11°38	5°49	7°15	28°29	15°26	21°22	8°34	10° 0	20° 7	4°47	T 28
F 29	12 53 48	15°20'05	18°18	26°24	4°15	11°16	6° 3	7°14	28°30	15°27	21°20	8°32	9°57	20°14	4°50	F 29
S 30	12 57 45	16°18'41	3♏14	26° 3	5°28	10°53	6°16	7°14	28°31	15°28	21°18	8°D31	9°54	20°21	4°54	S 30
S 31	13 1 42	17♈17'14	17♏50	25♈38	6♉42	10♎30	6♉30	7♌14	28♑33	15♊30	21♎17	8♉31	9♉50	20♓27	4♈57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	4s52	1s45	2n31	1s36	0s24	1s13	1s11	5s 1	2n57	10n35	0s58	19n27	1n10	21s15	0s32	21n22	1s20	7n30	17n22	14n46	15n19	8s58	3n29	2n25	F 1
S 2	4 28	8 34	1 17	0 39	0 13	0 42	1 10	4 57	2 57	10 39	0 58	19 28	1 10	21 15	0 32	21 22	1 20	7 31	17 22	14 45	15 18	8 55	3 30	2 25	S 2
S 3	4 5	14 46	0s 0	0n18	0 2	0 11	1 8	4 53	2 57	10 44	0 58	19 29	1 10	21 14	0 32	21 23	1 20	7 32	17 23	14 44	15 17	8 51	3 31	2 25	S 3
M 4	3 41	19 59	1 15	1 15	0n10	0n20	1 7	4 49	2 57	10 48	0 58	19 29	1 10	21 14	0 32	21 23	1 20	7 32	17 23	14 45	15 16	8 48	3 33	2 25	M 4
T 5	3 18	23 59	2 24	2 11	0 22	0 51	1 5	4 45	2 56	10 53	0 58	19 30	1 10	21 13	0 32	21 23	1 20	7 33	17 23	14 45	15 15	8 45	3 34	2 25	T 5
W 6	2 54	26 33	3 22	3 7	0 34	1 22	1 4	4 40	2 56	10 58	0 57	19 31	1 10	21 13	0 32	21 23	1 20	7 34	17 24	14 45	15 14	8 42	3 35	2 25	W 6
T 7	2 31	27 39	4 9	4 1	0 46	1 53	1 2	4 35	2 56	11 2	0 57	19 31	1 10	21 12	0 32	21 23	1 20	7 35	17 24	14 45	15 13	8 39	3 37	2 25	T 7
F 8	2 7	27 17	4 42	4 54	0 59	2 24	1 0	4 30	2 55	11 7	0 57	19 32	1 10	21 12	0 32	21 23	1 20	7 35	17 24	14 44	15 12	8 36	3 38	2 25	F 8
S 9	1 44	25 35	5 2	5 46	1 11	2 55	0 58	4 25	2 55	11 11	0 57	19 33	1 10	21 12	0 32	21 23	1 20	7 36	17 24	14 43	15 11	8 33	3 40	2 25	S 9
S 10	1 20	22 44	5 8	6 36	1 23	3 26	0 56	4 20	2 54	11 16	0 57	19 33	1 10	21 11	0 32	21 23	1 20	7 37	17 25	14 41	15 10	8 30	3 41	2 25	S 10
M11	0 56	18 58	5 1	7 23	1 35	3 57	0 55	4 14	2 53	11 21	0 57	19 34	1 10	21 11	0 32	21 24	1 19	7 38	17 25	14 39	15 10	8 26	3 42	2 25	M11
T 12	0 33	14 28	4 41	8 9	1 47	4 28	0 53	4 8	2 53	11 25	0 56	19 34	1 10	21 10	0 32	21 24	1 19	7 39	17 25	14 36	15 9	8 23	3 44	2 24	T 12
W13	0 9	9 27	4 8	8 52	1 58	4 58	0 51	4 2	2 52	11 30	0 56	19 35	1 10	21 10	0 32	21 24	1 19	7 39	17 25	14 34	15 8	8 20	3 45	2 24	W13
T 14	0n15	4 6	3 25	9 32	2 9	5 29	0 49	3 56	2 51	11 34	0 56	19 35	1 10	21 10	0 32	21 24	1 19	7 40	17 26	14 32	15 7	8 17	3 46	2 24	T 14
F 15	0 38	1n25	2 33	10 9	2 19	5 59	0 47	3 50	2 50	11 39	0 56	19 36	1 10	21 9	0 32	21 24	1 19	7 41	17 26	14 30	15 6	8 14	3 48	2 24	F 15
S 16	1 2	6 55	1 33	10 44	2 29	6 30	0 45	3 43	2 49	11 44	0 56	19 36	1 10	21 9	0 32	21 24	1 19	7 41	17 26	14 29	15 5	8 11	3 49	2 24	S 16
S 17	1 25	12 13	0 29	11 15	2 37	7 0	0 42	3 36	2 48	11 48	0 56	19 37	1 10	21 8	0 32	21 24	1 19	7 42	17 26	14 28	15 4	8 8	3 51	2 24	S 17
M18	1 49	17 7	0n37	11 43	2 45	7 30	0 40	3 30	2 47	11 53	0 56	19 37	1 10	21 8	0 32	21 25	1 19	7 43	17 26	14 28	15 3	8 4	3 52	2 24	M18
T 19	2 13	21 24	1 42	12 8	2 52	8 0	0 38	3 23	2 45	11 58	0 55	19 38	1 10	21 8	0 32	21 25	1 19	7 44	17 27	14 29	15 2	8 1	3 53	2 24	T 19
W20	2 36	24 47	2 44	12 29	2 58	8 29	0 36	3 16	2 44	12 2	0 55	19 38	1 10	21 7	0 32	21 25	1 19	7 44	17 27	14 29	15 1	7 58	3 55	2 24	W20
T 21	2 59	27 0	3 39	12 47	3 3	8 59	0 33	3 9	2 42	12 7	0 55	19 38	1 10	21 7	0 32	21 25	1 19	7 45	17 27	14 30	15 0	7 55	3 56	2 24	T 21
F 22	3 23	27 48	4 24	13 1	3 7	9 28	0 31	3 2	2 41	12 12	0 55	19 38	1 10	21 7	0 32	21 25	1 19	7 46	17 27	14 30	14 59	7 52	3 58	2 24	F 22
S 23	3 46	26 57	4 57	13 11	3 10	9 57	0 29	2 55	2 39	12 16	0 55	19 39	1 10	21 6	0 32	21 25	1 19	7 47	17 27	14 30	14 58	7 49	3 59	2 24	S 23
S 24	4 9	24 26	5 12	13 18	3 11	10 26	0 26	2 48	2 38	12 21	0 55	19 39	1 10	21 6	0 32	21 26	1 19	7 47	17 27	14 29	14 57	7 45	4 0	2 24	S 24
M25	4 32	20 19	5 9	13 21	3 11	10 54	0 24	2 40	2 36	12 26	0 55	19 39	1 10	21 6	0 33	21 26	1 19	7 48	17 27	14 28	14 56	7 42	4 2	2 24	M25
T 26	4 55	14 53	4 46	13 21	3 10	11 23	0 22	2 33	2 34	12 30	0 55	19 39	1 10	21 6	0 33	21 26	1 19	7 49	17 27	14 27	14 55	7 39	4 3	2 24	T 26
W27	5 18	8 28	4 3	13 17	3 7	11 51	0 19	2 26	2 32	12 35	0 54	19 39	1 10	21 5	0 33	21 26	1 19	7 49	17 27	14 26	14 54	7 36	4 5	2 24	W27
T 28	5 41	1 31	3 2	13 9	3 2	12 19	0 17	2 19	2 30	12 40	0 54	19 39	1 10	21 5	0 33	21 26	1 19	7 50	17 27	14 25	14 53	7 33	4 6	2 23	T 28
F 29	6 4	5s32	1 49	12 58	2 57	12 46	0 14	2 12	2 28	12 44	0 54	19 40	1 10	21 5	0 33	21 26	1 19	7 51	17 28	14 24	14 51	7 30	4 7	2 23	F 29
S 30	6 26	12 11	0 29	12 44	2 49	13 13	0 11	2 5	2 26	12 49	0 54	19 40	1 9	21 5	0 33	21 27	1 19	7 51	17 28	14 24	14 50	7 26	4 9	2 23	S 30
S 31	6n49	18s 2	0s51	12n26	2n41	13n40	0s 9	1s58	2n24	12n54	0s54	19n40	1n 9	21s 4	0s33	21n27	1s18	7n52	17n28	14n24	14n49	7s23	4n10	2n23	S 31

Julian Day Number = 2174392.5, Delta T = 12m02s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'30, Lahiri = 13°16'30 Julian Calendar 1 March 1241 == Greg. Calendar 8 March 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

APRIL 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 5 38	18♈15'46	2♐ 2	25°R 8	7♉55	10°R 8	6♉44	7°D14	28♋34	15♊31	21°R15	8♉32	9♉47	20♓34	5♈ 1	M 1
T 2	13 9 35	19°14'16	15°47	24♈35	9° 9	9♎45	6°58	7♌14	28°35	15°33	21♎13	8°34	9°44	20°41	5° 4	T 2
W 3	13 13 31	20°12'45	29° 6	23°59	10°22	9°23	7°12	7°14	28°36	15°34	21°12	8°35	9°41	20°47	5° 8	W 3
T 4	13 17 28	21°11'11	12♋ 0	23°20	11°36	9° 1	7°26	7°14	28°38	15°35	21°10	8°36	9°38	20°54	5°12	T 4
F 5	13 21 24	22° 9'37	24°33	22°40	12°49	8°40	7°40	7°15	28°39	15°37	21° 8	8°R36	9°34	21° 1	5°15	F 5
S 6	13 25 21	23° 8'00	6♒49	21°59	14° 3	8°18	7°54	7°15	28°40	15°38	21° 7	8°36	9°31	21° 7	5°19	S 6
S 7	13 29 17	24° 6'22	18°53	21°18	15°16	7°58	8° 8	7°16	28°41	15°40	21° 5	8°34	9°28	21°14	5°22	S 7
M 8	13 33 14	25° 4'42	0♓48	20°38	16°30	7°37	8°22	7°16	28°42	15°41	21° 3	8°33	9°25	21°21	5°26	M 8
T 9	13 37 11	26° 3'01	12°38	19°59	17°43	7°17	8°36	7°17	28°42	15°43	21° 1	8°31	9°22	21°27	5°29	T 9
W10	13 41 7	27° 1'18	24°27	19°23	18°56	6°58	8°50	7°18	28°43	15°45	21° 0	8°29	9°19	21°34	5°32	W10
T 11	13 45 4	27°59'33	6♈19	18°49	20° 9	6°39	9° 4	7°19	28°44	15°46	20°58	8°27	9°15	21°41	5°36	T 11
F 12	13 49 0	28°57'47	18°15	18°18	21°23	6°20	9°18	7°20	28°45	15°48	20°56	8°26	9°12	21°48	5°39	F 12
S 13	13 52 57	29°55'59	0♉17	17°50	22°36	6° 2	9°32	7°21	28°45	15°50	20°55	8°26	9° 9	21°54	5°43	S 13
S 14	13 56 53	0♉54'09	12°28	17°27	23°49	5°45	9°46	7°22	28°46	15°51	20°53	8°D26	9° 6	22° 1	5°46	S 14
M15	14 0 50	1°52'17	24°49	17° 8	25° 2	5°28	10° 0	7°24	28°47	15°53	20°51	8°26	9° 3	22° 8	5°49	M15
T 16	14 4 46	2°50'24	7♊22	16°53	26°15	5°13	10°14	7°25	28°47	15°55	20°50	8°27	9° 0	22°14	5°53	T 16
W17	14 8 43	3°48'29	20° 8	16°43	27°28	4°57	10°28	7°27	28°48	15°56	20°48	8°27	8°56	22°21	5°56	W17
T 18	14 12 40	4°46'32	3♋ 9	16°37	28°41	4°43	10°43	7°29	28°48	15°58	20°46	8°28	8°53	22°28	5°59	T 18
F 19	14 16 36	5°44'33	16°26	16°D37	29°54	4°29	10°57	7°31	28°48	16° 0	20°45	8°28	8°50	22°34	6° 3	F 19
S 20	14 20 33	6°42'32	0♌ 1	16°41	1♊ 7	4°16	11°11	7°33	28°49	16° 2	20°43	8°28	8°47	22°41	6° 6	S 20
S 21	14 24 29	7°40'29	13°55	16°49	2°20	4° 4	11°25	7°35	28°49	16° 4	20°42	8°R28	8°44	22°48	6° 9	S 21
M22	14 28 26	8°38'25	28° 6	17° 2	3°33	3°52	11°39	7°37	28°49	16° 5	20°40	8°D28	8°40	22°54	6°12	M22
T 23	14 32 22	9°36'18	12♍33	17°20	4°46	3°42	11°53	7°39	28°49	16° 7	20°38	8°28	8°37	23° 1	6°16	T 23
W24	14 36 19	10°34'09	27°12	17°42	5°59	3°32	12° 7	7°41	28°50	16° 9	20°37	8°28	8°34	23° 8	6°19	W24
T 25	14 40 15	11°31'59	11♎59	18° 9	7°11	3°23	12°22	7°44	28°50	16°11	20°35	8°28	8°31	23°14	6°22	T 25
F 26	14 44 12	12°29'47	26°46	18°39	8°24	3°15	12°36	7°46	28°R50	16°13	20°34	8°29	8°28	23°21	6°25	F 26
S 27	14 48 9	13°27'34	11♏27	19°14	9°37	3° 7	12°50	7°49	28°50	16°15	20°32	8°R29	8°25	23°28	6°28	S 27
S 28	14 52 5	14°25'19	25°54	19°53	10°49	3° 0	13° 4	7°52	28°50	16°17	20°31	8°28	8°21	23°35	6°31	S 28
M29	14 56 2	15°23'03	10♐ 3	20°35	12° 2	2°54	13°18	7°54	28°49	16°19	20°29	8°28	8°18	23°41	6°34	M29
T 30	14 59 58	16♉20'46	23♐50	21♈21	13♊14	2♎49	13♉32	7♌57	28♋49	16♊21	20♎28	8♉27	8♉15	23♓48	6♈37	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n11	22s43	2s 6	12n 6	2n30	14n 7	0s 6	1s51	2n22	12n58	0s54	19n40	1n 9	21s 4	0s33	21n27	1s18	7n52	17n28	14n25	14n48	7s20	4n11	2n23
T 2	7 34	25 57	3 11	11 43	2 19	14 33	0 4	1 45	2 20	13 3	0 54	19 40	1 9	21 4	0 33	21 27	1 18	7 53	17 28	14 25	14 47	7 17	4 13	2 23
W 3	7 56	27 36	4 4	11 18	2 6	14 59	0 1	1 38	2 17	13 8	0 54	19 40	1 9	21 4	0 33	21 27	1 18	7 54	17 28	14 25	14 46	7 14	4 14	2 23
T 4	8 18	27 41	4 43	10 51	1 53	15 24	0n 1	1 31	2 15	13 12	0 54	19 39	1 9	21 3	0 33	21 28	1 18	7 54	17 28	14 26	14 45	7 11	4 16	2 23
F 5	8 40	26 19	5 6	10 22	1 38	15 49	0 4	1 25	2 12	13 17	0 53	19 39	1 9	21 3	0 33	21 28	1 18	7 55	17 28	14 26	14 44	7 7	4 17	2 23
S 6	9 2	23 44	5 16	9 52	1 23	16 14	0 7	1 19	2 10	13 22	0 53	19 39	1 9	21 3	0 33	21 28	1 18	7 55	17 28	14 26	14 43	7 4	4 18	2 23
S 7	9 23	20 9	5 11	9 22	1 6	16 38	0 9	1 13	2 7	13 26	0 53	19 39	1 9	21 3	0 33	21 28	1 18	7 56	17 28	14 25	14 42	7 1	4 20	2 23
M 8	9 45	15 47	4 53	8 52	0 50	17 2	0 12	1 7	2 5	13 31	0 53	19 39	1 9	21 3	0 33	21 28	1 18	7 57	17 28	14 25	14 41	6 58	4 21	2 23
T 9	10 6	10 52	4 22	8 21	0 33	17 25	0 15	1 2	2 2	13 35	0 53	19 39	1 9	21 3	0 33	21 29	1 18	7 57	17 27	14 24	14 40	6 55	4 23	2 23
W10	10 27	5 34	3 40	7 52	0 16	17 48	0 17	0 56	2 0	13 40	0 53	19 38	1 9	21 3	0 33	21 29	1 18	7 58	17 27	14 23	14 39	6 51	4 24	2 23
T 11	10 48	0 4	2 49	7 23	0s 1	18 11	0 20	0 51	1 57	13 45	0 53	19 38	1 9	21 2	0 33	21 29	1 18	7 58	17 27	14 23	14 38	6 48	4 25	2 23
F 12	11 9	5n30	1 50	6 56	0 18	18 33	0 23	0 47	1 54	13 49	0 53	19 38	1 9	21 2	0 33	21 29	1 18	7 59	17 27	14 23	14 37	6 45	4 27	2 23
S 13	11 30	10 55	0 45	6 30	0 34	18 54	0 25	0 42	1 52	13 54	0 53	19 37	1 9	21 2	0 33	21 29	1 18	7 59	17 27	14 22	14 36	6 42	4 28	2 23
S 14	11 50	16 0	0n22	6 6	0 50	19 16	0 28	0 38	1 49	13 58	0 53	19 37	1 9	21 2	0 33	21 30	1 18	8 0	17 27	14 22	14 35	6 39	4 29	2 23
M15	12 10	20 30	1 30	5 45	1 6	19 36	0 31	0 34	1 46	14 3	0 52	19 37	1 9	21 2	0 33	21 30	1 18	8 0	17 27	14 23	14 34	6 35	4 31	2 23
T 16	12 31	24 9	2 34	5 25	1 21	19 56	0 33	0 30	1 44	14 7	0 52	19 36	1 9	21 2	0 33	21 30	1 18	8 1	17 27	14 23	14 33	6 32	4 32	2 23
W17	12 50	26 41	3 31	5 8	1 35	20 16	0 36	0 26	1 41	14 12	0 52	19 36	1 9	21 2	0 33	21 30	1 18	8 1	17 27	14 23	14 32	6 29	4 33	2 23
T 18	13 10	27 49	4 19	4 54	1 48	20 35	0 39	0 23	1 38	14 16	0 52	19 35	1 9	21 2	0 33	21 31	1 18	8 2	17 26	14 23	14 31	6 26	4 35	2 23
F 19	13 29	27 23	4 54	4 42	2 0	20 53	0 41	0 20	1 35	14 21	0 52	19 35	1 9	21 2	0 33	21 31	1 18	8 2	17 26	14 23	14 30	6 23	4 36	2 23
S 20	13 49	25 20	5 14	4 33	2 12	21 11	0 44	0 17	1 32	14 25	0 52	19 34	1 9	21 2	0 33	21 31	1 18	8 2	17 26	14 23	14 29	6 19	4 37	2 23
S 21	14 8	21 45	5 16	4 27	2 22	21 28	0 46	0 15	1 30	14 30	0 52	19 34	1 9	21 2	0 33	21 31	1 18	8 3	17 26	14 23	14 28	6 16	4 38	2 23
M22	14 26	16 51	4 59	4 23	2 32	21 45	0 49	0 13	1 27	14 34	0 52	19 33	1 9	21 2	0 33	21 31	1 18	8 3	17 26	14 23	14 27	6 13	4 40	2 23
T 23	14 45	10 55	4 23	4 22	2 41	22 1	0 51	0 11	1 24	14 39	0 52	19 32	1 9	21 2	0 34	21 32	1 18	8 4	17 26	14 23	14 26	6 10	4 41	2 23
W24	15 3	4 19	3 30	4 23	2 49	22 17	0 54	0 10	1 21	14 43	0 52	19 32	1 9	21 2	0 34	21 32	1 18	8 4	17 25	14 23	14 25	6 6	4 42	2 23
T 25	15 21	2s35	2 22	4 26	2 56	22 32	0 56	0 9	1 19	14 47	0 52	19 31	1 9	21 2	0 34	21 32	1 17	8 4	17 25	14 23	14 24	6 3	4 43	2 23
F 26	15 39	9 21	1 5	4 32	3 2	22 46	0 59	0 8	1 16	14 52	0 52	19 30	1 8	21 2	0 34	21 32	1 17	8 5	17 25	14 23	14 23	6 0	4 45	2 23
S 27	15 57	15 35	0s16	4 41	3 7	23 0	1 1	0 8	1 13	14 56	0 52	19 30	1 8	21 2	0 34	21 33	1 17	8 5	17 25	14 23	14 22	5 57	4 46	2 23
S 28	16 14	20 51	1 35	4 51	3 11	23 13	1 4	0 7	1 10	15 1	0 51	19 29	1 8	21 2	0 34	21 33	1 17	8 5	17 24	14 23	14 21	5 53	4 47	2 23
M29	16 31	24 48	2 46	5 4	3 15	23 25	1 6	0 8	1 8	15 5	0 51	19 28	1 8	21 2	0 34	21 33	1 17	8 6	17 24	14 23	14 20	5 50	4 48	2 23
T 30	16n48	27s 9	3s46	5n19	3s17	23n37	1n 8	0s 8	1n 5	15n 9	0s51	19n27	1n 8	21s 2	0s34	21n33	1s17	8n 6	17n24	14n23	14n19	5s47	4n50	2n23

Julian Day Number = 2174423.5, Delta T = 12m02s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'34, Lahiri = 13°16'35 Julian Calendar 1 Apr. 1241 == Greg. Calendar 8 Apr. 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

MAY 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 3 55	17♉18'27	7♋12	22♈11	14♊27	2°R45	13♉47	8♌ 0	28°R49	16♊23	20°R26	8°R26	8♉12	23♓55	6♈40	W 1
T 2	15 7 51	18°16'07	20°11	23° 4	15°39	2♎42	14° 1	8° 3	28♋49	16°25	20♎25	8♉25	8° 9	24° 1	6°43	T 2
F 3	15 11 48	19°13'47	2♒48	24° 0	16°52	2°39	14°15	8° 7	28°48	16°27	20°23	8°24	8° 6	24° 8	6°46	F 3
S 4	15 15 44	20°11'25	15° 7	25° 0	18° 4	2°37	14°29	8°10	28°48	16°29	20°22	8°D24	8° 2	24°15	6°49	S 4
S 5	15 19 41	21° 9'02	27°12	26° 3	19°17	2°36	14°43	8°13	28°48	16°31	20°21	8°24	7°59	24°21	6°52	S 5
M 6	15 23 38	22° 6'38	9♓ 8	27° 8	20°29	2°D36	14°57	8°17	28°47	16°33	20°19	8°24	7°56	24°28	6°54	M 6
T 7	15 27 34	23° 4'13	20°58	28°17	21°41	2°36	15°11	8°20	28°47	16°35	20°18	8°25	7°53	24°35	6°57	T 7
W 8	15 31 31	24° 1'47	2♈49	29°29	22°53	2°37	15°25	8°24	28°46	16°37	20°16	8°27	7°50	24°41	7° 0	W 8
T 9	15 35 27	24°59'20	14°43	0♉43	24° 5	2°39	15°39	8°28	28°46	16°39	20°15	8°28	7°46	24°48	7° 3	T 9
F 10	15 39 24	25°56'52	26°44	2° 0	25°18	2°42	15°53	8°32	28°45	16°41	20°14	8°29	7°43	24°55	7° 5	F 10
S 11	15 43 20	26°54'23	8♉56	3°20	26°30	2°46	16° 7	8°35	28°44	16°43	20°13	8°R29	7°40	25° 1	7° 8	S 11
S 12	15 47 17	27°51'54	21°20	4°43	27°42	2°50	16°21	8°39	28°43	16°46	20°11	8°29	7°37	25° 8	7°10	S 12
M13	15 51 13	28°49'23	3♊59	6° 8	28°54	2°55	16°35	8°44	28°43	16°48	20°10	8°27	7°34	25°15	7°13	M13
T 14	15 55 10	29°46'51	16°52	7°36	0♋ 6	3° 1	16°49	8°48	28°42	16°50	20° 9	8°25	7°31	25°21	7°15	T 14
W15	15 59 7	0♊44'18	29°59	9° 7	1°18	3° 7	17° 3	8°52	28°41	16°52	20° 8	8°22	7°27	25°28	7°18	W15
T 16	16 3 3	1°41'44	13♋21	10°40	2°29	3°14	17°17	8°56	28°40	16°54	20° 6	8°18	7°24	25°35	7°20	T 16
F 17	16 7 0	2°39'09	26°56	12°16	3°41	3°22	17°31	9° 1	28°39	16°56	20° 5	8°15	7°21	25°42	7°23	F 17
S 18	16 10 56	3°36'33	10♌43	13°54	4°53	3°31	17°45	9° 5	28°38	16°59	20° 4	8°13	7°18	25°48	7°25	S 18
S 19	16 14 53	4°33'56	24°40	15°35	6° 5	3°40	17°59	9°10	28°37	17° 1	20° 3	8°11	7°15	25°55	7°27	S 19
M20	16 18 49	5°31'17	8♍47	17°19	7°16	3°50	18°13	9°14	28°36	17° 3	20° 2	8°D11	7°12	26° 2	7°30	M20
T 21	16 22 46	6°28'37	23° 1	19° 5	8°28	4° 0	18°26	9°19	28°35	17° 5	20° 1	8°12	7° 8	26° 8	7°32	T 21
W22	16 26 42	7°25'56	7♎20	20°53	9°39	4°12	18°40	9°24	28°34	17° 7	20° 0	8°13	7° 5	26°15	7°34	W22
T 23	16 30 39	8°23'15	21°42	22°44	10°51	4°23	18°54	9°29	28°32	17°10	19°59	8°15	7° 2	26°22	7°36	T 23
F 24	16 34 36	9°20'32	6♏ 2	24°38	12° 2	4°36	19° 8	9°34	28°31	17°12	19°58	8°R15	6°59	26°28	7°38	F 24
S 25	16 38 32	10°17'48	20°18	26°33	13°14	4°49	19°21	9°39	28°30	17°14	19°57	8°15	6°56	26°35	7°40	S 25
S 26	16 42 29	11°15'04	4♐25	28°31	14°25	5° 2	19°35	9°44	28°28	17°16	19°56	8°13	6°52	26°42	7°43	S 26
M27	16 46 25	12°12'19	18°19	0♊32	15°36	5°16	19°48	9°49	28°27	17°19	19°55	8° 9	6°49	26°48	7°44	M27
T 28	16 50 22	13° 9'33	1♋55	2°34	16°47	5°31	20° 2	9°54	28°26	17°21	19°55	8° 4	6°46	26°55	7°46	T 28
W29	16 54 18	14° 6'47	15°12	4°38	17°58	5°46	20°15	10° 0	28°24	17°23	19°54	7°59	6°43	27° 2	7°48	W29
T 30	16 58 15	15° 4'01	28° 9	6°44	19°10	6° 2	20°29	10° 5	28°23	17°25	19°53	7°53	6°40	27° 8	7°50	T 30
F 31	17 2 11	16♊ 1'14	10♒47	8♊52	20♋21	6♎19	20♉42	10♌11	28♋21	17♊27	19♎52	7♉47	6♉37	27♓15	7♈52	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 4	27s51	4s31	5n35	3s19	23n48	1n11	0s 9	1n 2	15n14	0s51	19n27	1n 8	21s 2	0s34	21n33	1s17	8n 6	17n24	14n22	14n18	5s44	4n51	2n23
T 2	17 20	26 58	5 1	5 54	3 20	23 58	1 13	0 10	1 0	15 18	0 51	19 26	1 8	21 2	0 34	21 34	1 17	8 6	17 23	14 22	14 17	5 40	4 52	2 23
F 3	17 36	24 43	5 15	6 15	3 21	24 8	1 15	0 11	0 57	15 22	0 51	19 25	1 8	21 2	0 34	21 34	1 17	8 7	17 23	14 22	14 16	5 37	4 53	2 23
S 4	17 52	21 22	5 14	6 37	3 20	24 17	1 17	0 13	0 55	15 26	0 51	19 24	1 8	21 2	0 34	21 34	1 17	8 7	17 23	14 22	14 15	5 34	4 54	2 23
S 5	18 7	17 11	5 0	7 1	3 19	24 26	1 20	0 15	0 52	15 30	0 51	19 23	1 8	21 2	0 34	21 34	1 17	8 7	17 22	14 22	14 14	5 31	4 55	2 23
M 6	18 22	12 23	4 32	7 26	3 17	24 33	1 22	0 17	0 50	15 35	0 51	19 22	1 8	21 3	0 34	21 35	1 17	8 7	17 22	14 22	14 13	5 27	4 57	2 23
T 7	18 37	7 10	3 53	7 53	3 15	24 40	1 24	0 19	0 47	15 39	0 51	19 21	1 8	21 3	0 34	21 35	1 17	8 8	17 22	14 22	14 12	5 24	4 58	2 23
W 8	18 51	1 42	3 5	8 21	3 11	24 46	1 26	0 22	0 45	15 43	0 51	19 20	1 8	21 3	0 34	21 35	1 17	8 8	17 21	14 23	14 11	5 21	4 59	2 23
T 9	19 6	3n52	2 8	8 51	3 8	24 52	1 28	0 25	0 42	15 47	0 51	19 19	1 8	21 3	0 34	21 35	1 17	8 8	17 21	14 23	14 10	5 18	5 0	2 23
F 10	19 19	9 21	1 5	9 21	3 3	24 57	1 30	0 28	0 40	15 51	0 51	19 18	1 8	21 3	0 34	21 36	1 17	8 8	17 21	14 23	14 9	5 14	5 1	2 23
S 11	19 33	14 34	0n 2	9 53	2 58	25 1	1 31	0 32	0 37	15 55	0 51	19 17	1 8	21 3	0 34	21 36	1 17	8 8	17 20	14 24	14 8	5 11	5 2	2 23
S 12	19 46	19 18	1 10	10 27	2 52	25 4	1 33	0 36	0 35	15 59	0 51	19 16	1 8	21 4	0 34	21 36	1 17	8 8	17 20	14 23	14 7	5 8	5 3	2 23
M13	19 59	23 15	2 16	11 1	2 46	25 7	1 35	0 40	0 33	16 3	0 51	19 15	1 8	21 4	0 34	21 36	1 17	8 8	17 19	14 23	14 5	5 5	5 4	2 23
T 14	20 11	26 8	3 16	11 36	2 39	25 9	1 37	0 44	0 30	16 7	0 51	19 14	1 8	21 4	0 34	21 37	1 17	8 8	17 19	14 22	14 4	5 1	5 5	2 23
W15	20 23	27 39	4 7	12 12	2 32	25 10	1 38	0 49	0 28	16 11	0 51	19 12	1 8	21 4	0 34	21 37	1 17	8 8	17 19	14 21	14 3	4 58	5 6	2 24
T 16	20 35	27 35	4 45	12 48	2 24	25 11	1 40	0 54	0 26	16 15	0 51	19 11	1 8	21 4	0 34	21 37	1 17	8 8	17 18	14 20	14 2	4 55	5 7	2 24
F 17	20 47	25 53	5 8	13 25	2 16	25 10	1 41	0 59	0 24	16 19	0 50	19 10	1 8	21 5	0 34	21 37	1 17	8 8	17 18	14 19	14 1	4 52	5 8	2 24
S 18	20 58	22 38	5 14	14 3	2 7	25 10	1 43	1 4	0 21	16 23	0 50	19 9	1 8	21 5	0 34	21 37	1 17	8 8	17 17	14 18	14 0	4 48	5 9	2 24
S 19	21 9	18 4	5 1	14 41	1 58	25 8	1 44	1 10	0 19	16 27	0 50	19 8	1 8	21 5	0 34	21 38	1 17	8 8	17 17	14 18	13 59	4 45	5 10	2 24
M20	21 19	12 29	4 30	15 20	1 49	25 5	1 45	1 16	0 17	16 31	0 50	19 6	1 8	21 5	0 34	21 38	1 17	8 8	17 17	14 18	13 58	4 42	5 11	2 24
T 21	21 29	6 12	3 43	15 59	1 39	25 2	1 47	1 22	0 15	16 35	0 50	19 5	1 8	21 6	0 34	21 38	1 17	8 8	17 16	14 18	13 57	4 39	5 12	2 24
W22	21 39	0s27	2 41	16 38	1 29	24 59	1 48	1 28	0 13	16 39	0 50	19 4	1 8	21 6	0 34	21 38	1 17	8 8	17 16	14 18	13 56	4 35	5 13	2 24
T 23	21 48	7 6	1 29	17 16	1 18	24 54	1 49	1 35	0 11	16 43	0 50	19 2	1 8	21 6	0 35	21 39	1 17	8 8	17 15	14 19	13 55	4 32	5 14	2 24
F 24	21 57	13 24	0 12	17 55	1 7	24 49	1 50	1 42	0 9	16 46	0 50	19 1	1 8	21 6	0 35	21 39	1 17	8 8	17 15	14 19	13 54	4 29	5 15	2 24
S 25	22 5	18 57	1s 5	18 33	0 57	24 43	1 51	1 49	0 7	16 50	0 50	19 0	1 8	21 7	0 35	21 39	1 17	8 8	17 14	14 19	13 53	4 25	5 16	2 24
S 26	22 13	23 23	2 18	19 10	0 46	24 36	1 52	1 56	0 5	16 54	0 50	18 58	1 8	21 7	0 35	21 39	1 17	8 8	17 14	14 18	13 52	4 22	5 16	2 24
M27	22 21	26 22	3 21	19 47	0 34	24 29	1 52	2 3	0 3	16 57	0 50	18 57	1 8	21 7	0 35	21 39	1 17	8 8	17 13	14 17	13 51	4 19	5 17	2 24
T 28	22 28	27 43	4 11	20 23	0 23	24 21	1 53	2 11	0 1	17 1	0 50	18 55	1 8	21 8	0 35	21 40	1 17	8 8	17 13	14 15	13 50	4 16	5 18	2 24
W29	22 35	27 25	4 47	20 57	0 12	24 12	1 54	2 19	0s 1	17 5	0 50	18 54	1 8	21 8	0 35	21 40	1 17	8 8	17 12	14 14	13 49	4 12	5 19	2 24
T 30	22 42	25 37	5 6	21 30	0 1	24 3	1 54	2 27	0 2	17 8	0 50	18 53	1 8	21 8	0 35	21 40	1 17	8 7	17 12	14 12	13 48	4 9	5 20	2 24
F 31	22n48	22s34	5s10	22n 2	0n10	23n53	1n55	2s35	0s 4	17n12	0s50	18n51	1n 8	21s 9	0s35	21n40	1s17	8n 7	17n11	14n10	13n47	4s 6	5n20	2n24

Julian Day Number = 2174453.5, Delta T = 12m01s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'38, Lahiri = 13°16'39 Julian Calendar 1 May 1241 == Greg. Calendar 8 May 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

JUNE 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 8	16♊58'27	23♒ 6	11♊ 0	21♋31	6♎35	20♉56	10♌16	28°R20	17♊30	19°R51	7°R43	6♉33	27♓22	7♈54	S 1
S 2	17 10 5	17°55'39	5♓12	13°10	22°42	6°53	21° 9	10°22	28♏18	17°32	19♎51	7♉41	6°30	27°28	7°55	S 2
M 3	17 14 1	18°52'52	17° 8	15°21	23°53	7°11	21°22	10°27	28°16	17°34	19°50	7°D40	6°27	27°35	7°57	M 3
T 4	17 17 58	19°50'04	28°59	17°32	25° 4	7°29	21°36	10°33	28°15	17°36	19°49	7°40	6°24	27°42	7°59	T 4
W 5	17 21 54	20°47'16	10♈50	19°43	26°15	7°48	21°49	10°39	28°13	17°39	19°49	7°41	6°21	27°48	8° 0	W 5
T 6	17 25 51	21°44'28	22°46	21°55	27°25	8° 7	22° 2	10°45	28°11	17°41	19°48	7°43	6°18	27°55	8° 2	T 6
F 7	17 29 47	22°41'41	4♉52	24° 6	28°36	8°27	22°15	10°50	28° 9	17°43	19°48	7°R44	6°14	28° 2	8° 3	F 7
S 8	17 33 44	23°38'53	17°11	26°16	29°46	8°48	22°28	10°56	28° 8	17°45	19°47	7°43	6°11	28° 8	8° 5	S 8
S 9	17 37 40	24°36'05	29°47	28°26	0♌57	9° 8	22°41	11° 2	28° 6	17°48	19°47	7°41	6° 8	28°15	8° 6	S 9
M10	17 41 37	25°33'17	12♊42	0♋34	2° 7	9°29	22°54	11° 8	28° 4	17°50	19°46	7°37	6° 5	28°22	8° 7	M10
T 11	17 45 34	26°30'29	25°57	2°42	3°17	9°51	23° 7	11°15	28° 2	17°52	19°46	7°31	6° 2	28°28	8° 9	T 11
W12	17 49 30	27°27'41	9♋29	4°48	4°28	10°13	23°20	11°21	28° 0	17°54	19°46	7°23	5°58	28°35	8°10	W12
T 13	17 53 27	28°24'53	23°17	6°52	5°38	10°36	23°33	11°27	27°58	17°56	19°45	7°15	5°55	28°42	8°11	T 13
F 14	17 57 23	29°22'04	7♌17	8°55	6°48	10°59	23°45	11°33	27°56	17°59	19°45	7° 7	5°52	28°48	8°12	F 14
S 15	18 1 20	0♋19'16	21°24	10°57	7°58	11°22	23°58	11°40	27°54	18° 1	19°45	7° 0	5°49	28°55	8°13	S 15
S 16	18 5 16	1°16'27	5♍36	12°56	9° 8	11°46	24°11	11°46	27°52	18° 3	19°44	6°55	5°46	29° 2	8°14	S 16
M17	18 9 13	2°13'38	19°49	14°53	10°18	12°10	24°23	11°52	27°50	18° 5	19°44	6°53	5°43	29° 8	8°15	M17
T 18	18 13 10	3°10'48	3♎59	16°49	11°27	12°34	24°36	11°59	27°48	18° 7	19°44	6°D52	5°39	29°15	8°16	T 18
W19	18 17 6	4° 7'58	18° 7	18°43	12°37	12°59	24°48	12° 5	27°46	18°10	19°44	6°53	5°36	29°22	8°17	W19
T 20	18 21 3	5° 5'09	2♏10	20°35	13°47	13°24	25° 0	12°12	27°44	18°12	19°44	6°R53	5°33	29°29	8°18	T 20
F 21	18 24 59	6° 2'19	16° 7	22°25	14°56	13°50	25°13	12°19	27°41	18°14	19°44	6°53	5°30	29°35	8°19	F 21
S 22	18 28 56	6°59'29	29°58	24°13	16° 5	14°16	25°25	12°25	27°39	18°16	19°44	6°51	5°27	29°42	8°19	S 22
S 23	18 32 52	7°56'39	13♐39	25°58	17°15	14°42	25°37	12°32	27°37	18°18	19°D44	6°47	5°24	29°49	8°20	S 23
M24	18 36 49	8°53'50	27°10	27°42	18°24	15° 9	25°49	12°39	27°35	18°20	19°44	6°40	5°20	29°55	8°21	M24
T 25	18 40 45	9°51'00	10♑28	29°25	19°33	15°36	26° 1	12°46	27°33	18°22	19°44	6°30	5°17	0♈ 2	8°21	T 25
W26	18 44 42	10°48'11	23°31	1♌ 5	20°42	16° 3	26°13	12°53	27°30	18°25	19°44	6°20	5°14	0° 9	8°22	W26
T 27	18 48 39	11°45'23	6♒19	2°43	21°51	16°31	26°25	12°59	27°28	18°27	19°44	6° 9	5°11	0°15	8°22	T 27
F 28	18 52 35	12°42'35	18°50	4°19	23° 0	16°59	26°37	13° 6	27°26	18°29	19°44	5°58	5° 8	0°22	8°22	F 28
S 29	18 56 32	13°39'47	1♓ 6	5°53	24° 8	17°27	26°48	13°13	27°23	18°31	19°44	5°50	5° 4	0°29	8°23	S 29
S 30	19 0 28	14♋37'00	13♓ 9	7♌25	25♌17	17♎55	27♉ 0	13♌20	27♏21	18♊33	19♎45	5♉43	5♉ 1	0♈35	8♈23	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n54	18s35	5s 0	22n31	0n20	23n42	1n55	2s43	0s 6	17n16	0s50	18n50	1n 8	21s 9	0s35	21n41	1s17	8n 7	17n11	14n 9	13n46	4s 2	5n21	2n24
S 2	22 59	13 55	4 36	22 59	0 31	23 31	1 55	2 52	0 8	17 19	0 50	18 48	1 8	21 9	0 35	21 41	1 17	8 7	17 10	14 8	13 45	3 59	5 22	2 24
M 3	23 4	8 47	4 0	23 24	0 40	23 19	1 55	3 0	0 10	17 23	0 50	18 46	1 7	21 10	0 35	21 41	1 17	8 7	17 10	14 7	13 44	3 56	5 23	2 24
T 4	23 9	3 23	3 15	23 47	0 50	23 6	1 56	3 9	0 11	17 26	0 50	18 45	1 7	21 10	0 35	21 41	1 17	8 6	17 9	14 8	13 43	3 52	5 23	2 25
W 5	23 13	2n 9	2 21	24 7	0 59	22 53	1 56	3 18	0 13	17 29	0 50	18 43	1 7	21 10	0 35	21 41	1 17	8 6	17 9	14 8	13 41	3 49	5 24	2 25
T 6	23 17	7 39	1 20	24 24	1 7	22 39	1 56	3 27	0 15	17 33	0 50	18 42	1 7	21 11	0 35	21 42	1 17	8 6	17 8	14 8	13 40	3 46	5 25	2 25
F 7	23 20	12 57	0 16	24 39	1 15	22 25	1 55	3 37	0 16	17 36	0 50	18 40	1 7	21 11	0 35	21 42	1 17	8 5	17 8	14 9	13 39	3 43	5 25	2 25
S 8	23 23	17 51	0n51	24 51	1 22	22 10	1 55	3 46	0 18	17 40	0 50	18 38	1 7	21 12	0 35	21 42	1 17	8 5	17 7	14 9	13 38	3 39	5 26	2 25
S 9	23 26	22 5	1 56	25 0	1 28	21 54	1 55	3 56	0 19	17 43	0 50	18 37	1 7	21 12	0 35	21 42	1 17	8 5	17 7	14 8	13 37	3 36	5 27	2 25
M10	23 28	25 21	2 57	25 6	1 34	21 38	1 54	4 6	0 21	17 46	0 50	18 35	1 7	21 12	0 35	21 42	1 17	8 4	17 6	14 6	13 36	3 33	5 27	2 25
T 11	23 30	27 19	3 50	25 10	1 39	21 21	1 54	4 16	0 22	17 49	0 50	18 33	1 7	21 13	0 35	21 43	1 17	8 4	17 5	14 4	13 35	3 29	5 28	2 25
W12	23 31	27 42	4 31	25 10	1 43	21 4	1 53	4 26	0 24	17 53	0 50	18 32	1 7	21 13	0 35	21 43	1 17	8 4	17 5	14 2	13 34	3 26	5 28	2 25
T 13	23 32	26 24	4 57	25 8	1 47	20 46	1 53	4 36	0 25	17 56	0 50	18 30	1 7	21 14	0 35	21 43	1 17	8 3	17 4	13 59	13 33	3 23	5 29	2 25
F 14	23 32	23 28	5 6	25 4	1 50	20 27	1 52	4 46	0 27	17 59	0 50	18 28	1 7	21 14	0 35	21 43	1 17	8 3	17 4	13 57	13 32	3 19	5 29	2 25
S 15	23 32	19 6	4 57	24 57	1 52	20 8	1 51	4 57	0 28	18 2	0 50	18 26	1 7	21 14	0 35	21 43	1 17	8 2	17 3	13 55	13 31	3 16	5 30	2 25
S 16	23 32	13 40	4 29	24 47	1 53	19 49	1 50	5 8	0 30	18 5	0 50	18 25	1 7	21 15	0 35	21 44	1 17	8 2	17 3	13 53	13 30	3 13	5 30	2 25
M17	23 31	7 30	3 45	24 35	1 54	19 29	1 49	5 18	0 31	18 8	0 50	18 23	1 7	21 15	0 35	21 44	1 17	8 2	17 2	13 52	13 29	3 9	5 31	2 25
T 18	23 30	0 57	2 47	24 21	1 54	19 8	1 48	5 29	0 32	18 11	0 50	18 21	1 7	21 16	0 35	21 44	1 17	8 1	17 2	13 52	13 28	3 6	5 31	2 25
W19	23 28	5s37	1 39	24 5	1 53	18 47	1 46	5 40	0 34	18 14	0 50	18 19	1 7	21 16	0 35	21 44	1 17	8 1	17 1	13 52	13 27	3 3	5 31	2 25
T 20	23 26	11 53	0 25	23 48	1 52	18 26	1 45	5 51	0 35	18 17	0 50	18 17	1 7	21 17	0 35	21 44	1 17	8 0	17 0	13 52	13 26	3 0	5 32	2 26
F 21	23 24	17 31	0s49	23 28	1 50	18 4	1 43	6 2	0 37	18 20	0 50	18 15	1 8	21 17	0 35	21 45	1 17	8 0	17 0	13 52	13 25	2 56	5 32	2 26
S 22	23 21	22 11	2 0	23 7	1 47	17 42	1 42	6 14	0 38	18 23	0 50	18 14	1 8	21 18	0 35	21 45	1 17	7 59	16 59	13 52	13 24	2 53	5 33	2 26
S 23	23 18	25 34	3 3	22 45	1 44	17 19	1 40	6 25	0 39	18 26	0 50	18 12	1 8	21 18	0 35	21 45	1 17	7 59	16 59	13 50	13 22	2 50	5 33	2 26
M24	23 14	27 25	3 55	22 21	1 40	16 56	1 38	6 37	0 40	18 29	0 50	18 10	1 8	21 18	0 35	21 45	1 17	7 58	16 58	13 48	13 21	2 46	5 33	2 26
T 25	23 10	27 39	4 33	21 55	1 36	16 33	1 37	6 48	0 42	18 32	0 50	18 8	1 8	21 19	0 35	21 45	1 17	7 57	16 57	13 45	13 20	2 43	5 33	2 26
W26	23 6	26 20	4 55	21 29	1 31	16 9	1 35	7 0	0 43	18 35	0 50	18 6	1 8	21 19	0 35	21 45	1 17	7 57	16 57	13 41	13 19	2 40	5 34	2 26
T 27	23 1	23 39	5 3	21 2	1 26	15 45	1 33	7 12	0 44	18 37	0 50	18 4	1 8	21 20	0 35	21 46	1 17	7 56	16 56	13 37	13 18	2 36	5 34	2 26
F 28	22 56	19 55	4 55	20 33	1 20	15 20	1 30	7 23	0 45	18 40	0 50	18 2	1 8	21 20	0 35	21 46	1 17	7 56	16 56	13 34	13 17	2 33	5 34	2 26
S 29	22 50	15 24	4 34	20 4	1 14	14 55	1 28	7 35	0 46	18 43	0 50	18 0	1 8	21 21	0 35	21 46	1 17	7 55	16 55	13 31	13 16	2 30	5 34	2 26
S 30	22n44	10s21	4s 1	19n34	1n 7	14n30	1n26	7s47	0s47	18n45	0s50	17n58	1n 8	21s21	0s35	21n46	1s17	7n54	16n55	13n29	13n15	2s26	5n35	2n26

Julian Day Number = 2174484.5, Delta T = 12m01s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'43, Lahiri = 13°16'43 Julian Calendar 1 June 1241 == Greg. Calendar 8 June 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

JULY 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 4 25	15♋34'14	25♓ 4	8♌56	26♌25	18♎24	27♉11	13♌27	27°R19	18♊35	19♎45	5°R39	4♉58	0♈42	8♈23	M 1
T 2	19 8 21	16°31'28	6♈54	10°24	27°34	18°53	27°23	13°34	27♏16	18°37	19°45	5♉37	4°55	0°49	8°23	T 2
W 3	19 12 18	17°28'44	18°44	11°50	28°42	19°23	27°34	13°41	27°14	18°39	19°45	5°D36	4°52	0°55	8°24	W 3
T 4	19 16 14	18°26'00	0♉40	13°14	29°50	19°52	27°45	13°49	27°12	18°41	19°46	5°R37	4°49	1° 2	8°24	T 4
F 5	19 20 11	19°23'17	12°47	14°37	0♍58	20°22	27°57	13°56	27° 9	18°43	19°46	5°36	4°45	1° 9	8°R24	F 5
S 6	19 24 8	20°20'35	25°10	15°57	2° 6	20°53	28° 8	14° 3	27° 7	18°45	19°47	5°35	4°42	1°15	8°24	S 6
S 7	19 28 4	21°17'54	7♊53	17°15	3°14	21°23	28°19	14°10	27° 5	18°47	19°47	5°31	4°39	1°22	8°24	S 7
M 8	19 32 1	22°15'14	20°59	18°30	4°21	21°54	28°30	14°17	27° 2	18°49	19°48	5°25	4°36	1°29	8°23	M 8
T 9	19 35 57	23°12'35	4♋29	19°44	5°29	22°25	28°40	14°25	27° 0	18°51	19°48	5°17	4°33	1°35	8°23	T 9
W10	19 39 54	24° 9'57	18°23	20°55	6°36	22°56	28°51	14°32	26°57	18°53	19°49	5° 6	4°30	1°42	8°23	W10
T 11	19 43 50	25° 7'20	2♌35	22° 4	7°44	23°28	29° 2	14°39	26°55	18°55	19°49	4°55	4°26	1°49	8°23	T 11
F 12	19 47 47	26° 4'43	17° 1	23°10	8°51	24° 0	29°12	14°47	26°53	18°56	19°50	4°44	4°23	1°55	8°22	F 12
S 13	19 51 44	27° 2'07	1♍34	24°14	9°58	24°32	29°23	14°54	26°50	18°58	19°51	4°34	4°20	2° 2	8°22	S 13
S 14	19 55 40	27°59'32	16° 8	25°15	11° 5	25° 4	29°33	15° 1	26°48	19° 0	19°51	4°27	4°17	2° 9	8°21	S 14
M15	19 59 37	28°56'57	0♎36	26°13	12°11	25°37	29°43	15° 9	26°45	19° 2	19°52	4°23	4°14	2°15	8°21	M15
T 16	20 3 33	29°54'24	14°55	27° 8	13°18	26° 9	29°53	15°16	26°43	19° 4	19°53	4°21	4°10	2°22	8°20	T 16
W17	20 7 30	0♏51'50	29° 2	28° 0	14°24	26°43	0♊ 3	15°24	26°41	19° 6	19°54	4°20	4° 7	2°29	8°20	W17
T 18	20 11 26	1°49'18	12♏57	28°49	15°30	27°16	0°13	15°31	26°38	19° 7	19°54	4°20	4° 4	2°35	8°19	T 18
F 19	20 15 23	2°46'46	26°39	29°35	16°37	27°49	0°23	15°39	26°36	19° 9	19°55	4°19	4° 1	2°42	8°18	F 19
S 20	20 19 19	3°44'15	10♐10	0♍17	17°42	28°23	0°33	15°46	26°34	19°11	19°56	4°16	3°58	2°49	8°17	S 20
S 21	20 23 16	4°41'46	23°30	0°56	18°48	28°57	0°42	15°54	26°31	19°12	19°57	4°10	3°55	2°55	8°17	S 21
M22	20 27 13	5°39'17	6♑38	1°30	19°54	29°31	0°52	16° 1	26°29	19°14	19°58	4° 2	3°51	3° 2	8°16	M22
T 23	20 31 9	6°36'49	19°35	2° 1	20°59	0♏ 5	1° 1	16° 9	26°26	19°16	19°59	3°51	3°48	3° 9	8°15	T 23
W24	20 35 6	7°34'22	2♒20	2°27	22° 4	0°40	1°10	16°16	26°24	19°17	20° 0	3°38	3°45	3°15	8°14	W24
T 25	20 39 2	8°31'56	14°52	2°49	23° 9	1°15	1°19	16°24	26°22	19°19	20° 1	3°25	3°42	3°22	8°13	T 25
F 26	20 42 59	9°29'32	27°12	3° 5	24°14	1°50	1°28	16°32	26°19	19°21	20° 2	3°12	3°39	3°29	8°12	F 26
S 27	20 46 55	10°27'08	9♓21	3°17	25°18	2°25	1°37	16°39	26°17	19°22	20° 3	3° 1	3°36	3°35	8°11	S 27
S 28	20 50 52	11°24'47	21°19	3°24	26°23	3° 0	1°46	16°47	26°15	19°24	20° 5	2°53	3°32	3°42	8° 9	S 28
M29	20 54 48	12°22'26	3♈11	3°R26	27°27	3°35	1°54	16°54	26°13	19°25	20° 6	2°47	3°29	3°49	8° 8	M29
T 30	20 58 45	13°20'08	14°59	3°21	28°31	4°11	2° 3	17° 2	26°10	19°27	20° 7	2°44	3°26	3°55	8° 7	T 30
W31	21 2 41	14♌17'50	26♈48	3♍12	29♍35	4♏47	2♊11	17♌10	26♑ 8	19♊28	20♎ 8	2♉43	3♉23	4♈ 2	8♈ 5	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n38	5s 0	3s18	19n 4	1n 0	14n 4	1n23	8s 0	0s49	18n48	0s50	17n56	1n 8	21s22	0s35	21n46	1s17	7n54	16n54	13n28	13n14	2s23	5n35	2n26
T 2	22 31	0n31	2 26	18 33	0 52	13 38	1 21	8 12	0 50	18 51	0 50	17 54	1 8	21 22	0 35	21 46	1 17	7 53	16 53	13 27	13 13	2 20	5 35	2 26
W 3	22 24	6 0	1 28	18 1	0 44	13 12	1 18	8 24	0 51	18 53	0 50	17 52	1 8	21 23	0 35	21 47	1 17	7 52	16 53	13 27	13 12	2 16	5 35	2 26
T 4	22 16	11 21	0 26	17 29	0 36	12 45	1 15	8 36	0 52	18 56	0 50	17 50	1 8	21 23	0 35	21 47	1 17	7 52	16 52	13 27	13 11	2 13	5 35	2 26
F 5	22 8	16 21	0n38	16 57	0 27	12 18	1 12	8 48	0 53	18 58	0 50	17 48	1 8	21 24	0 35	21 47	1 17	7 51	16 52	13 27	13 10	2 10	5 35	2 27
S 6	22 0	20 47	1 42	16 25	0 18	11 51	1 9	9 1	0 54	19 1	0 50	17 46	1 8	21 24	0 35	21 47	1 17	7 50	16 51	13 26	13 9	2 6	5 35	2 27
S 7	21 51	24 23	2 42	15 52	0 9	11 24	1 6	9 13	0 55	19 3	0 50	17 44	1 8	21 25	0 35	21 47	1 17	7 50	16 50	13 25	13 8	2 3	5 35	2 27
M 8	21 42	26 49	3 36	15 20	0s 1	10 56	1 3	9 26	0 56	19 5	0 50	17 42	1 8	21 25	0 35	21 47	1 17	7 49	16 50	13 23	13 6	2 0	5 35	2 27
T 9	21 32	27 47	4 19	14 47	0 11	10 28	1 0	9 38	0 57	19 8	0 50	17 40	1 8	21 26	0 35	21 48	1 17	7 48	16 49	13 20	13 5	1 56	5 35	2 27
W10	21 22	27 2	4 48	14 15	0 21	10 0	0 57	9 51	0 58	19 10	0 50	17 37	1 8	21 26	0 35	21 48	1 17	7 47	16 49	13 17	13 4	1 53	5 35	2 27
T 11	21 12	24 32	5 0	13 43	0 32	9 32	0 53	10 4	0 59	19 12	0 50	17 35	1 8	21 26	0 35	21 48	1 17	7 47	16 48	13 13	13 3	1 50	5 35	2 27
F 12	21 1	20 28	4 54	13 11	0 42	9 3	0 50	10 16	1 0	19 15	0 51	17 33	1 8	21 27	0 35	21 48	1 17	7 46	16 47	13 9	13 2	1 46	5 35	2 27
S 13	20 50	15 8	4 28	12 40	0 53	8 34	0 46	10 29	1 1	19 17	0 51	17 31	1 8	21 27	0 35	21 48	1 17	7 45	16 47	13 6	13 1	1 43	5 35	2 27
S 14	20 39	8 57	3 45	12 9	1 5	8 6	0 42	10 42	1 2	19 19	0 51	17 29	1 8	21 28	0 35	21 48	1 17	7 44	16 46	13 3	13 0	1 40	5 35	2 27
M15	20 27	2 20	2 48	11 38	1 16	7 37	0 38	10 55	1 3	19 21	0 51	17 27	1 8	21 28	0 35	21 48	1 17	7 44	16 46	13 2	12 59	1 36	5 35	2 27
T 16	20 15	4s21	1 41	11 9	1 28	7 7	0 35	11 8	1 3	19 23	0 51	17 25	1 8	21 29	0 35	21 49	1 17	7 43	16 45	13 1	12 58	1 33	5 34	2 27
W17	20 3	10 44	0 28	10 40	1 39	6 38	0 31	11 20	1 4	19 25	0 51	17 22	1 8	21 29	0 35	21 49	1 17	7 42	16 45	13 1	12 57	1 29	5 34	2 27
T 18	19 50	16 31	0s45	10 12	1 51	6 8	0 26	11 33	1 5	19 27	0 51	17 20	1 8	21 30	0 35	21 49	1 17	7 41	16 44	13 1	12 56	1 26	5 34	2 27
F 19	19 37	21 21	1 55	9 45	2 3	5 39	0 22	11 46	1 6	19 29	0 51	17 18	1 8	21 30	0 35	21 49	1 17	7 40	16 43	13 1	12 55	1 23	5 34	2 27
S 20	19 24	24 59	2 57	9 19	2 15	5 9	0 18	11 59	1 7	19 31	0 51	17 16	1 8	21 31	0 36	21 49	1 17	7 39	16 43	13 0	12 54	1 19	5 33	2 28
S 21	19 10	27 11	3 49	8 54	2 26	4 39	0 14	12 12	1 8	19 33	0 51	17 14	1 8	21 31	0 36	21 49	1 17	7 39	16 42	12 58	12 52	1 16	5 33	2 28
M22	18 56	27 49	4 27	8 31	2 38	4 9	0 9	12 25	1 8	19 35	0 51	17 11	1 8	21 32	0 36	21 49	1 17	7 38	16 42	12 55	12 51	1 13	5 33	2 28
T 23	18 42	26 54	4 51	8 9	2 50	3 39	0 5	12 38	1 9	19 37	0 51	17 9	1 9	21 32	0 36	21 49	1 17	7 37	16 41	12 51	12 50	1 9	5 33	2 28
W24	18 27	24 35	5 0	7 49	3 1	3 9	0s 0	12 51	1 10	19 39	0 51	17 7	1 9	21 33	0 36	21 49	1 17	7 36	16 41	12 47	12 49	1 6	5 32	2 28
T 25	18 12	21 7	4 54	7 31	3 13	2 39	0 5	13 4	1 11	19 41	0 51	17 5	1 9	21 33	0 36	21 50	1 17	7 35	16 40	12 42	12 48	1 3	5 32	2 28
F 26	17 57	16 47	4 35	7 15	3 24	2 9	0 10	13 17	1 12	19 42	0 51	17 2	1 9	21 33	0 36	21 50	1 17	7 34	16 40	12 38	12 47	0 59	5 32	2 28
S 27	17 42	11 50	4 3	7 0	3 34	1 39	0 14	13 29	1 12	19 44	0 51	17 0	1 9	21 34	0 36	21 50	1 17	7 33	16 39	12 34	12 46	0 56	5 31	2 28
S 28	17 26	6 31	3 20	6 49	3 45	1 9	0 19	13 42	1 13	19 46	0 51	16 58	1 9	21 34	0 36	21 50	1 17	7 32	16 39	12 31	12 45	0 53	5 31	2 28
M29	17 10	1 1	2 30	6 39	3 54	0 39	0 24	13 55	1 14	19 48	0 51	16 56	1 9	21 35	0 35	21 50	1 17	7 31	16 38	12 29	12 44	0 49	5 30	2 28
T 30	16 53	4n30	1 33	6 32	4 3	0 9	0 30	14 8	1 14	19 49	0 51	16 53	1 9	21 35	0 35	21 50	1 17	7 30	16 37	12 28	12 43	0 46	5 30	2 28
W31	16n37	9n53	0s31	6n28	4s12	0s22	0s35	14s21	1s15	19n51	0s51	16n51	1n 9	21s36	0s35	21n50	1s17	7n30	16n37	12n28	12n42	0s43	5n29	2n28

Julian Day Number = 2174514.5, Delta T = 12m01s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'47, Lahiri = 13°16'47 Julian Calendar 1 July 1241 == Greg. Calendar 8 July 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

AUGUST 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 6 38	15♌15'35	8♉42	2°R56	0♎38	5♏23	2♊19	17♌17	26°R 6	19♊30	20♎10	2°D43	3♉20	4♈ 9	8°R 4	T 1
F 2	21 10 35	16°13'21	20°48	2♍35	1°41	5°59	2°27	17°25	26♑ 4	19°31	20°11	2°R43	3°16	4°15	8♈ 3	F 2
S 3	21 14 31	17°11'09	3♊10	2° 8	2°44	6°36	2°35	17°33	26° 1	19°32	20°12	2♉42	3°13	4°22	8° 1	S 3
S 4	21 18 28	18° 8'59	15°53	1°36	3°47	7°12	2°43	17°40	25°59	19°34	20°14	2°39	3°10	4°29	8° 0	S 4
M 5	21 22 24	19° 6'51	29° 2	0°58	4°50	7°49	2°51	17°48	25°57	19°35	20°15	2°34	3° 7	4°35	7°58	M 5
T 6	21 26 21	20° 4'44	12♋39	0°16	5°52	8°26	2°58	17°55	25°55	19°36	20°16	2°26	3° 4	4°42	7°56	T 6
W 7	21 30 17	21° 2'39	26°43	29♌29	6°54	9° 3	3° 6	18° 3	25°53	19°38	20°18	2°17	3° 1	4°49	7°55	W 7
T 8	21 34 14	22° 0'36	11♌11	28°39	7°55	9°41	3°13	18°11	25°51	19°39	20°19	2° 6	2°57	4°55	7°53	T 8
F 9	21 38 11	22°58'34	25°57	27°46	8°57	10°18	3°20	18°18	25°49	19°40	20°21	1°56	2°54	5° 2	7°51	F 9
S 10	21 42 7	23°56'34	10♍53	26°51	9°58	10°56	3°27	18°26	25°47	19°41	20°22	1°47	2°51	5° 9	7°50	S 10
S 11	21 46 4	24°54'35	25°50	25°55	10°59	11°34	3°34	18°34	25°45	19°43	20°24	1°40	2°48	5°15	7°48	S 11
M12	21 50 0	25°52'38	10♎39	24°59	11°59	12°11	3°40	18°41	25°43	19°44	20°26	1°36	2°45	5°22	7°46	M12
T 13	21 53 57	26°50'42	25°14	24° 5	12°59	12°50	3°47	18°49	25°41	19°45	20°27	1°D35	2°41	5°29	7°44	T 13
W14	21 57 53	27°48'48	9♏31	23°14	13°59	13°28	3°53	18°56	25°39	19°46	20°29	1°35	2°38	5°35	7°42	W14
T 15	22 1 50	28°46'55	23°29	22°26	14°59	14° 6	3°59	19° 4	25°37	19°47	20°30	1°R35	2°35	5°42	7°40	T 15
F 16	22 5 46	29°45'04	7♐ 8	21°44	15°58	14°45	4° 5	19°11	25°35	19°48	20°32	1°35	2°32	5°49	7°38	F 16
S 17	22 9 43	0♍43'14	20°29	21° 7	16°56	15°24	4°11	19°19	25°33	19°49	20°34	1°33	2°29	5°55	7°36	S 17
S 18	22 13 40	1°41'26	3♑34	20°38	17°55	16° 3	4°16	19°26	25°31	19°50	20°36	1°29	2°26	6° 2	7°34	S 18
M19	22 17 36	2°39'39	16°25	20°16	18°53	16°42	4°22	19°34	25°30	19°51	20°37	1°23	2°22	6° 9	7°32	M19
T 20	22 21 33	3°37'54	29° 4	20° 2	19°50	17°21	4°27	19°41	25°28	19°52	20°39	1°14	2°19	6°15	7°29	T 20
W21	22 25 29	4°36'10	11♒31	19°D57	20°47	18° 0	4°32	19°49	25°26	19°53	20°41	1° 4	2°16	6°22	7°27	W21
T 22	22 29 26	5°34'28	23°49	20° 1	21°44	18°40	4°37	19°56	25°25	19°53	20°43	0°54	2°13	6°28	7°25	T 22
F 23	22 33 22	6°32'48	5♓57	20°14	22°40	19°19	4°42	20° 4	25°23	19°54	20°45	0°44	2°10	6°35	7°23	F 23
S 24	22 37 19	7°31'10	17°56	20°37	23°36	19°59	4°47	20°11	25°21	19°55	20°47	0°35	2° 7	6°42	7°20	S 24
S 25	22 41 15	8°29'33	29°50	21° 8	24°31	20°39	4°51	20°19	25°20	19°56	20°48	0°29	2° 3	6°48	7°18	S 25
M26	22 45 12	9°27'59	11♈38	21°47	25°25	21°19	4°56	20°26	25°18	19°56	20°50	0°24	2° 0	6°55	7°16	M26
T 27	22 49 8	10°26'26	23°25	22°35	26°19	21°59	5° 0	20°33	25°17	19°57	20°52	0°22	1°57	7° 2	7°13	T 27
W28	22 53 5	11°24'56	5♉14	23°31	27°13	22°39	5° 4	20°41	25°15	19°58	20°54	0°D22	1°54	7° 8	7°11	W28
T 29	22 57 2	12°23'28	17° 8	24°34	28° 6	23°19	5° 7	20°48	25°14	19°58	20°56	0°23	1°51	7°15	7° 8	T 29
F 30	23 0 58	13°22'02	29°12	25°45	28°58	24° 0	5°11	20°55	25°13	19°59	20°58	0°25	1°47	7°22	7° 6	F 30
S 31	23 4 55	14♍20'38	11♊33	27♌ 1	29♎50	24♏40	5♊14	21♌ 2	25♑11	20♊ 0	21♎ 0	0°R25	1♉44	7♈28	7♈ 3	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n20	14n58	0n32	6n27	4s19	0s52	0s40	14s34	1s16	19n52	0s51	16n49	1n 9	21s36	0s35	21n50	1s17	7n29	16n36	12n28	12n41	0s39	5n29	2n28
F 2	16 2	19 33	1 34	6 28	4 25	1 22	0 45	14 46	1 16	19 54	0 51	16 47	1 9	21 36	0 35	21 50	1 17	7 28	16 36	12 28	12 39	0 36	5 28	2 28
S 3	15 45	23 24	2 34	6 33	4 30	1 52	0 51	14 59	1 17	19 55	0 52	16 44	1 9	21 37	0 35	21 50	1 17	7 27	16 35	12 28	12 38	0 32	5 28	2 28
S 4	15 27	26 14	3 28	6 41	4 34	2 22	0 56	15 12	1 18	19 57	0 52	16 42	1 9	21 37	0 35	21 50	1 17	7 26	16 35	12 27	12 37	0 29	5 27	2 28
M 5	15 9	27 45	4 13	6 52	4 36	2 52	1 2	15 24	1 18	19 58	0 52	16 40	1 9	21 38	0 35	21 51	1 17	7 25	16 34	12 25	12 36	0 26	5 27	2 28
T 6	14 51	27 39	4 45	7 7	4 37	3 22	1 7	15 37	1 19	20 0	0 52	16 38	1 9	21 38	0 35	21 51	1 18	7 24	16 34	12 22	12 35	0 22	5 26	2 28
W 7	14 33	25 49	5 1	7 24	4 35	3 52	1 13	15 50	1 19	20 1	0 52	16 35	1 10	21 38	0 35	21 51	1 18	7 23	16 33	12 19	12 34	0 19	5 25	2 28
T 8	14 14	22 16	4 59	7 44	4 32	4 22	1 19	16 2	1 20	20 2	0 52	16 33	1 10	21 39	0 35	21 51	1 18	7 22	16 33	12 15	12 33	0 16	5 25	2 28
F 9	13 55	17 15	4 36	8 7	4 27	4 51	1 24	16 15	1 21	20 4	0 52	16 31	1 10	21 39	0 35	21 51	1 18	7 21	16 32	12 12	12 32	0 12	5 24	2 28
S 10	13 36	11 8	3 55	8 32	4 21	5 21	1 30	16 27	1 21	20 5	0 52	16 28	1 10	21 40	0 35	21 51	1 18	7 20	16 32	12 9	12 31	0 9	5 23	2 28
S 11	13 16	4 23	2 58	8 59	4 12	5 50	1 36	16 39	1 22	20 6	0 52	16 26	1 10	21 40	0 35	21 51	1 18	7 19	16 31	12 6	12 30	0 6	5 23	2 28
M12	12 57	2s34	1 49	9 27	4 1	6 19	1 42	16 52	1 22	20 7	0 52	16 24	1 10	21 40	0 35	21 51	1 18	7 18	16 31	12 5	12 29	0 2	5 22	2 29
T 13	12 37	9 17	0 34	9 57	3 49	6 49	1 48	17 4	1 23	20 8	0 52	16 22	1 10	21 41	0 35	21 51	1 18	7 17	16 30	12 4	12 27	0n 1	5 21	2 29
W14	12 17	15 23	0s42	10 27	3 35	7 18	1 54	17 16	1 23	20 10	0 52	16 19	1 10	21 41	0 35	21 51	1 18	7 16	16 30	12 4	12 26	0 5	5 20	2 29
T 15	11 57	20 34	1 54	10 57	3 19	7 46	2 0	17 28	1 24	20 11	0 52	16 17	1 10	21 41	0 35	21 51	1 18	7 15	16 30	12 5	12 25	0 8	5 20	2 29
F 16	11 36	24 31	2 58	11 26	3 3	8 15	2 7	17 40	1 24	20 12	0 52	16 15	1 10	21 42	0 35	21 51	1 18	7 14	16 29	12 4	12 24	0 11	5 19	2 29
S 17	11 16	27 2	3 50	11 55	2 45	8 43	2 13	17 52	1 25	20 13	0 52	16 12	1 10	21 42	0 35	21 51	1 18	7 13	16 29	12 4	12 23	0 15	5 18	2 29
S 18	10 55	27 59	4 30	12 21	2 27	9 12	2 19	18 4	1 25	20 14	0 52	16 10	1 11	21 42	0 35	21 51	1 18	7 12	16 28	12 2	12 22	0 18	5 17	2 29
M19	10 34	27 24	4 55	12 46	2 8	9 40	2 25	18 16	1 26	20 15	0 53	16 8	1 11	21 43	0 35	21 51	1 18	7 11	16 28	12 0	12 21	0 21	5 16	2 29
T 20	10 13	25 24	5 4	13 9	1 49	10 8	2 32	18 27	1 26	20 16	0 53	16 6	1 11	21 43	0 35	21 51	1 18	7 10	16 27	11 57	12 20	0 25	5 16	2 29
W21	9 52	22 12	5 0	13 28	1 30	10 35	2 38	18 39	1 26	20 16	0 53	16 3	1 11	21 43	0 35	21 51	1 18	7 9	16 27	11 54	12 19	0 28	5 15	2 29
T 22	9 30	18 3	4 41	13 45	1 11	11 2	2 44	18 50	1 27	20 17	0 53	16 1	1 11	21 43	0 35	21 51	1 18	7 7	16 27	11 50	12 18	0 32	5 14	2 29
F 23	9 9	13 14	4 10	13 58	0 52	11 29	2 51	19 2	1 27	20 18	0 53	15 59	1 11	21 44	0 35	21 51	1 18	7 6	16 26	11 47	12 16	0 35	5 13	2 29
S 24	8 47	7 58	3 28	14 8	0 35	11 56	2 57	19 13	1 28	20 19	0 53	15 56	1 11	21 44	0 35	21 51	1 18	7 5	16 26	11 44	12 15	0 38	5 12	2 29
S 25	8 25	2 28	2 37	14 14	0 17	12 23	3 4	19 24	1 28	20 20	0 53	15 54	1 11	21 44	0 35	21 51	1 18	7 4	16 25	11 41	12 14	0 42	5 11	2 29
M26	8 3	3n 6	1 39	14 17	0 1	12 49	3 10	19 35	1 28	20 20	0 53	15 52	1 11	21 45	0 35	21 51	1 18	7 3	16 25	11 40	12 13	0 45	5 10	2 29
T 27	7 41	8 33	0 37	14 16	0n14	13 15	3 16	19 46	1 29	20 21	0 53	15 50	1 12	21 45	0 35	21 51	1 18	7 2	16 25	11 39	12 12	0 48	5 9	2 29
W28	7 19	13 44	0n26	14 11	0 28	13 41	3 23	19 57	1 29	20 22	0 53	15 47	1 12	21 45	0 35	21 52	1 18	7 1	16 24	11 39	12 11	0 52	5 8	2 29
T 29	6 56	18 27	1 29	14 2	0 42	14 6	3 29	20 8	1 30	20 22	0 53	15 45	1 12	21 45	0 35	21 52	1 18	7 0	16 24	11 39	12 10	0 55	5 7	2 29
F 30	6 34	22 30	2 30	13 50	0 54	14 31	3 36	20 18	1 30	20 23	0 53	15 43	1 12	21 46	0 35	21 52	1 18	6 59	16 24	11 40	12 9	0 59	5 6	2 29
S 31	6n11	25n38	3n24	13n34	1n 4	14s55	3s42	20s28	1s30	20n23	0s53	15n41	1n12	21s46	0s35	21n52	1s18	6n58	16n23	11n40	12n 8	1n 2	5n 5	2n29

Julian Day Number = 2174545.5, Delta T = 12m01s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'51, Lahiri = 13°16'51 Julian Calendar 1 Aug. 1241 == Greg. Calendar 8 Aug. 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

SEPTEMBER 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 51	15♍19'17	24♊13	28♌23	0♏41	25♏21	5♊18	21♌10	25°R10	20♊ 0	21♎ 2	0°R25	1♉41	7♈35	7°R 1	S 1
M 2	23 12 48	16°17'58	7♋18	29°50	1°32	26° 2	5°21	21°17	25♂ 9	20° 1	21° 4	0♉23	1°38	7°42	6♈58	M 2
T 3	23 16 44	17°16'41	20°51	1♍21	2°21	26°43	5°23	21°24	25° 8	20° 1	21° 7	0°19	1°35	7°48	6°56	T 3
W 4	23 20 41	18°15'27	4♌53	2°56	3°10	27°24	5°26	21°31	25° 7	20° 1	21° 9	0°14	1°32	7°55	6°53	W 4
T 5	23 24 37	19°14'15	19°23	4°34	3°59	28° 5	5°28	21°38	25° 5	20° 2	21°11	0° 8	1°28	8° 2	6°51	T 5
F 6	23 28 34	20°13'04	4♍15	6°15	4°46	28°47	5°31	21°45	25° 4	20° 2	21°13	0° 1	1°25	8° 8	6°48	F 6
S 7	23 32 31	21°11'56	19°22	7°58	5°33	29°28	5°33	21°52	25° 3	20° 2	21°15	29♈56	1°22	8°15	6°45	S 7
S 8	23 36 27	22°10'50	4♎34	9°43	6°19	0♐10	5°35	21°59	25° 2	20° 3	21°17	29°52	1°19	8°22	6°43	S 8
M 9	23 40 24	23° 9'46	19°41	11°29	7° 4	0°52	5°36	22° 6	25° 1	20° 3	21°19	29°50	1°16	8°28	6°40	M 9
T 10	23 44 20	24° 8'44	4♏34	13°16	7°48	1°33	5°38	22°13	25° 1	20° 3	21°22	29°D50	1°13	8°35	6°37	T 10
W11	23 48 17	25° 7'44	19° 7	15° 4	8°32	2°15	5°39	22°20	25° 0	20° 3	21°24	29°51	1° 9	8°42	6°34	W11
T 12	23 52 13	26° 6'45	3♐17	16°52	9°14	2°57	5°40	22°27	24°59	20° 4	21°26	29°52	1° 6	8°48	6°32	T 12
F 13	23 56 10	27° 5'49	17° 3	18°40	9°55	3°40	5°41	22°33	24°58	20° 4	21°28	29°54	1° 3	8°55	6°29	F 13
S 14	0 0 6	28° 4'54	0♑25	20°28	10°35	4°22	5°42	22°40	24°58	20° 4	21°31	29°R54	1° 0	9° 2	6°26	S 14
S 15	0 4 3	29° 4'01	13°25	22°16	11°14	5° 4	5°42	22°47	24°57	20° 4	21°33	29°53	0°57	9° 8	6°23	S 15
M16	0 8 0	0♎ 3'09	26° 8	24° 4	11°52	5°47	5°42	22°53	24°56	20°R 4	21°35	29°51	0°53	9°15	6°21	M16
T 17	0 11 56	1° 2'20	8♒35	25°52	12°29	6°29	5°R42	23° 0	24°56	20° 4	21°37	29°47	0°50	9°22	6°18	T 17
W18	0 15 53	2° 1'32	20°50	27°39	13° 4	7°12	5°42	23° 6	24°55	20° 4	21°40	29°43	0°47	9°28	6°15	W18
T 19	0 19 49	3° 0'46	2♓55	29°25	13°38	7°55	5°42	23°13	24°55	20° 4	21°42	29°38	0°44	9°35	6°12	T 19
F 20	0 23 46	4° 0'02	14°53	1♎11	14°11	8°37	5°41	23°19	24°54	20° 3	21°44	29°33	0°41	9°42	6° 9	F 20
S 21	0 27 42	4°59'21	26°45	2°56	14°42	9°20	5°41	23°26	24°54	20° 3	21°47	29°30	0°38	9°48	6° 7	S 21
S 22	0 31 39	5°58'41	8♈35	4°41	15°12	10° 3	5°40	23°32	24°54	20° 3	21°49	29°27	0°34	9°55	6° 4	S 22
M23	0 35 35	6°58'03	20°23	6°24	15°40	10°47	5°39	23°38	24°54	20° 3	21°51	29°25	0°31	10° 1	6° 1	M23
T 24	0 39 32	7°57'27	2♉11	8° 7	16° 7	11°30	5°37	23°44	24°53	20° 3	21°54	29°D25	0°28	10° 8	5°58	T 24
W25	0 43 29	8°56'54	14° 4	9°50	16°32	12°13	5°36	23°51	24°53	20° 2	21°56	29°26	0°25	10°15	5°55	W25
T 26	0 47 25	9°56'23	26° 2	11°32	16°56	12°56	5°34	23°57	24°53	20° 2	21°59	29°27	0°22	10°21	5°53	T 26
F 27	0 51 22	10°55'54	8♊11	13°13	17°17	13°40	5°32	24° 3	24°D53	20° 2	22° 1	29°29	0°18	10°28	5°50	F 27
S 28	0 55 18	11°55'27	20°33	14°53	17°37	14°23	5°30	24° 9	24°53	20° 1	22° 3	29°30	0°15	10°35	5°47	S 28
S 29	0 59 15	12°55'03	3♋12	16°33	17°55	15° 7	5°28	24°15	24°53	20° 1	22° 6	29°31	0°12	10°41	5°44	S 29
M30	1 3 11	13♎54'41	16♋13	18♎12	18♏11	15♐51	5♊25	24♌20	24♑53	20♊ 0	22♎ 8	29°R31	0♉ 9	10♈48	5♈42	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n49	27n35	4n10	13n15	1n14	15s20	3s49	20s39	1s30	20n24	0s53	15n39	1n12	21s46	0s35	21n52	1s18	6n57	16n23	11n40	12n 7	1n 5	5n 4	2n29
M 2	5 26	28 5	4 45	12 52	1 23	15 44	3 55	20 49	1 31	20 24	0 54	15 36	1 12	21 46	0 35	21 52	1 18	6 56	16 23	11 39	12 5	1 9	5 3	2 29
T 3	5 3	26 57	5 6	12 26	1 30	16 7	4 2	20 59	1 31	20 25	0 54	15 34	1 12	21 46	0 35	21 52	1 18	6 55	16 22	11 38	12 4	1 12	5 2	2 29
W 4	4 40	24 7	5 9	11 58	1 36	16 30	4 8	21 9	1 31	20 25	0 54	15 32	1 12	21 47	0 35	21 52	1 18	6 54	16 22	11 36	12 3	1 15	5 1	2 29
T 5	4 17	19 42	4 53	11 27	1 41	16 53	4 15	21 18	1 32	20 26	0 54	15 30	1 13	21 47	0 35	21 52	1 19	6 53	16 22	11 34	12 2	1 19	5 0	2 29
F 6	3 53	13 58	4 17	10 53	1 45	17 15	4 21	21 28	1 32	20 26	0 54	15 28	1 13	21 47	0 35	21 52	1 19	6 52	16 21	11 32	12 1	1 22	4 59	2 28
S 7	3 30	7 20	3 22	10 18	1 48	17 37	4 27	21 37	1 32	20 26	0 54	15 26	1 13	21 47	0 35	21 51	1 19	6 51	16 21	11 30	12 0	1 26	4 58	2 28
S 8	3 7	0 13	2 13	9 40	1 51	17 59	4 34	21 46	1 32	20 26	0 54	15 23	1 13	21 47	0 35	21 51	1 19	6 50	16 21	11 28	11 59	1 29	4 57	2 28
M 9	2 44	6s53	0 55	9 1	1 52	18 20	4 40	21 55	1 33	20 27	0 54	15 21	1 13	21 47	0 35	21 51	1 19	6 49	16 20	11 28	11 58	1 32	4 56	2 28
T 10	2 20	13 30	0s26	8 20	1 52	18 40	4 46	22 4	1 33	20 27	0 54	15 19	1 13	21 48	0 35	21 51	1 19	6 48	16 20	11 28	11 57	1 36	4 54	2 28
W11	1 57	19 14	1 43	7 38	1 52	19 1	4 52	22 13	1 33	20 27	0 54	15 17	1 13	21 48	0 35	21 51	1 19	6 47	16 20	11 28	11 55	1 39	4 53	2 28
T 12	1 33	23 43	2 53	6 55	1 51	19 20	4 58	22 22	1 33	20 27	0 54	15 15	1 14	21 48	0 35	21 51	1 19	6 45	16 20	11 28	11 54	1 42	4 52	2 28
F 13	1 10	26 43	3 50	6 11	1 50	19 39	5 4	22 30	1 33	20 27	0 54	15 13	1 14	21 48	0 35	21 51	1 19	6 44	16 19	11 29	11 53	1 46	4 51	2 28
S 14	0 46	28 5	4 33	5 26	1 48	19 58	5 10	22 38	1 33	20 27	0 54	15 11	1 14	21 48	0 35	21 51	1 19	6 43	16 19	11 29	11 52	1 49	4 50	2 28
S 15	0 22	27 50	5 0	4 41	1 45	20 16	5 16	22 46	1 34	20 27	0 54	15 9	1 14	21 48	0 35	21 51	1 19	6 42	16 19	11 29	11 51	1 53	4 49	2 28
M16	0s 1	26 7	5 12	3 55	1 42	20 33	5 22	22 54	1 34	20 27	0 54	15 7	1 14	21 48	0 35	21 51	1 19	6 41	16 19	11 28	11 50	1 56	4 48	2 28
T 17	0 25	23 10	5 9	3 9	1 38	20 50	5 28	23 1	1 34	20 27	0 54	15 5	1 14	21 48	0 35	21 51	1 19	6 40	16 19	11 27	11 49	1 59	4 46	2 28
W18	0 49	19 13	4 52	2 23	1 34	21 7	5 33	23 9	1 34	20 27	0 55	15 3	1 14	21 48	0 35	21 51	1 19	6 39	16 18	11 25	11 48	2 3	4 45	2 28
T 19	1 12	14 33	4 22	1 36	1 30	21 22	5 38	23 16	1 34	20 27	0 55	15 1	1 15	21 48	0 35	21 51	1 19	6 38	16 18	11 23	11 47	2 6	4 44	2 28
F 20	1 36	9 22	3 41	0 50	1 25	21 37	5 44	23 23	1 34	20 27	0 55	14 59	1 15	21 48	0 35	21 51	1 19	6 37	16 18	11 22	11 45	2 9	4 43	2 28
S 21	1 59	3 54	2 50	0 3	1 20	21 52	5 49	23 30	1 34	20 27	0 55	14 57	1 15	21 48	0 35	21 51	1 19	6 36	16 18	11 20	11 44	2 13	4 42	2 28
S 22	2 23	1n42	1 52	0s43	1 15	22 5	5 54	23 36	1 34	20 26	0 55	14 55	1 15	21 49	0 35	21 51	1 19	6 35	16 18	11 19	11 43	2 16	4 41	2 28
M23	2 47	7 14	0 50	1 30	1 9	22 19	5 59	23 43	1 34	20 26	0 55	14 53	1 15	21 49	0 35	21 51	1 19	6 34	16 17	11 19	11 42	2 20	4 39	2 28
T 24	3 10	12 31	0n15	2 16	1 4	22 31	6 3	23 49	1 35	20 26	0 55	14 51	1 15	21 49	0 35	21 51	1 19	6 33	16 17	11 19	11 41	2 23	4 38	2 28
W25	3 34	17 24	1 20	3 2	0 58	22 42	6 7	23 55	1 35	20 26	0 55	14 49	1 16	21 49	0 35	21 51	1 19	6 32	16 17	11 19	11 40	2 26	4 37	2 27
T 26	3 57	21 39	2 22	3 47	0 52	22 53	6 12	24 1	1 35	20 25	0 55	14 47	1 16	21 49	0 35	21 51	1 19	6 31	16 17	11 20	11 39	2 30	4 36	2 27
F 27	4 21	25 2	3 18	4 32	0 45	23 3	6 15	24 6	1 35	20 25	0 55	14 45	1 16	21 49	0 35	21 51	1 19	6 30	16 17	11 20	11 38	2 33	4 35	2 27
S 28	4 44	27 18	4 7	5 17	0 39	23 13	6 19	24 11	1 35	20 24	0 55	14 43	1 16	21 49	0 35	21 51	1 19	6 29	16 17	11 21	11 37	2 37	4 33	2 27
S 29	5 7	28 14	4 44	6 2	0 32	23 21	6 22	24 16	1 35	20 24	0 55	14 42	1 16	21 48	0 35	21 51	1 19	6 28	16 17	11 21	11 35	2 40	4 32	2 27
M30	5s31	27n39	5n 8	6s46	0n26	23s29	6s26	24s21	1s35	20n24	0s55	14n40	1n16	21s48	0s35	21n51	1s19	6n28	16n17	11n21	11n34	2n43	4n31	2n27

Julian Day Number = 2174576.5, Delta T = 12m01s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'55, Lahiri = 13°16'56 Julian Calendar 1 Sept. 1241 == Greg. Calendar 8 Sept. 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

OCTOBER 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 7 8	14♎54'22	29♋38	19♎50	18♏25	16♐35	5°R22	24♌26	24♑53	20°R 0	22♎11	29°R31	0♉ 6	10♈55	5°R39	T 1
W 2	1 11 4	15°54'04	13♌29	21°28	18°37	17°19	5♊19	24°32	24°54	19♊59	22°13	29♈30	0° 3	11° 1	5♈36	W 2
T 3	1 15 1	16°53'49	27°47	23° 5	18°47	18° 3	5°16	24°38	24°54	19°59	22°15	29°28	29♈59	11° 8	5°33	T 3
F 4	1 18 58	17°53'37	12♍29	24°42	18°54	18°47	5°13	24°43	24°54	19°58	22°18	29°27	29°56	11°15	5°31	F 4
S 5	1 22 54	18°53'26	27°29	26°18	19° 0	19°31	5°10	24°49	24°55	19°58	22°20	29°25	29°53	11°21	5°28	S 5
S 6	1 26 51	19°53'18	12♎40	27°53	19° 3	20°15	5° 6	24°54	24°55	19°57	22°23	29°25	29°50	11°28	5°25	S 6
M 7	1 30 47	20°53'11	27°52	29°28	19°R 3	20°59	5° 2	25° 0	24°55	19°56	22°25	29°D24	29°47	11°35	5°23	M 7
T 8	1 34 44	21°53'07	12♏55	1♏ 2	19° 2	21°44	4°58	25° 5	24°56	19°56	22°28	29°25	29°44	11°41	5°20	T 8
W 9	1 38 40	22°53'04	27°42	2°36	18°58	22°28	4°54	25°10	24°57	19°55	22°30	29°25	29°40	11°48	5°17	W 9
T 10	1 42 37	23°53'03	12♐ 6	4° 9	18°52	23°13	4°49	25°15	24°57	19°54	22°32	29°26	29°37	11°55	5°15	T 10
F 11	1 46 33	24°53'04	26° 3	5°42	18°43	23°57	4°45	25°20	24°58	19°53	22°35	29°26	29°34	12° 1	5°12	F 11
S 12	1 50 30	25°53'07	9♑33	7°15	18°31	24°42	4°40	25°25	24°59	19°52	22°37	29°26	29°31	12° 8	5° 9	S 12
S 13	1 54 27	26°53'11	22°38	8°46	18°18	25°27	4°35	25°30	24°59	19°52	22°40	29°R26	29°28	12°15	5° 7	S 13
M14	1 58 23	27°53'17	5♒20	10°18	18° 2	26°12	4°30	25°35	25° 0	19°51	22°42	29°26	29°24	12°21	5° 4	M14
T 15	2 2 20	28°53'25	17°44	11°49	17°43	26°57	4°24	25°40	25° 1	19°50	22°45	29°26	29°21	12°28	5° 2	T 15
W16	2 6 16	29°53'34	29°53	13°19	17°22	27°42	4°19	25°44	25° 2	19°49	22°47	29°D26	29°18	12°35	4°59	W16
T 17	2 10 13	0♏53'44	11♓51	14°49	17° 0	28°27	4°13	25°49	25° 3	19°48	22°49	29°27	29°15	12°41	4°57	T 17
F 18	2 14 9	1°53'56	23°43	16°19	16°34	29°12	4° 8	25°54	25° 4	19°47	22°52	29°27	29°12	12°48	4°54	F 18
S 19	2 18 6	2°54'10	5♈31	17°48	16° 7	29°57	4° 2	25°58	25° 5	19°46	22°54	29°27	29° 9	12°54	4°52	S 19
S 20	2 22 2	3°54'25	17°19	19°17	15°38	0♑42	3°56	26° 2	25° 6	19°45	22°57	29°27	29° 5	13° 1	4°50	S 20
M21	2 25 59	4°54'43	29°10	20°45	15° 8	1°27	3°49	26° 7	25° 7	19°44	22°59	29°R28	29° 2	13° 8	4°47	M21
T 22	2 29 55	5°55'02	11♉ 5	22°13	14°36	2°12	3°43	26°11	25° 9	19°43	23° 1	29°27	28°59	13°14	4°45	T 22
W23	2 33 52	6°55'22	23° 6	23°40	14° 2	2°58	3°37	26°15	25°10	19°42	23° 4	29°27	28°56	13°21	4°43	W23
T 24	2 37 49	7°55'45	5♊15	25° 6	13°28	3°43	3°30	26°19	25°11	19°40	23° 6	29°26	28°53	13°28	4°40	T 24
F 25	2 41 45	8°56'09	17°35	26°32	12°52	4°29	3°23	26°23	25°13	19°39	23° 8	29°25	28°50	13°34	4°38	F 25
S 26	2 45 42	9°56'36	0♋ 7	27°58	12°17	5°14	3°16	26°27	25°14	19°38	23°11	29°23	28°46	13°41	4°36	S 26
S 27	2 49 38	10°57'04	12°53	29°22	11°40	6° 0	3° 9	26°30	25°15	19°37	23°13	29°22	28°43	13°48	4°34	S 27
M28	2 53 35	11°57'34	25°56	0♐46	11° 4	6°45	3° 2	26°34	25°17	19°35	23°16	29°21	28°40	13°54	4°32	M28
T 29	2 57 31	12°58'06	9♌17	2° 9	10°27	7°31	2°55	26°37	25°18	19°34	23°18	29°D20	28°37	14° 1	4°30	T 29
W30	3 1 28	13°58'39	22°58	3°31	9°51	8°17	2°48	26°41	25°20	19°33	23°20	29°20	28°34	14° 8	4°28	W30
T 31	3 5 25	14♏59'15	7♍ 0	4♐52	9♏16	9♑ 2	2♊40	26♌44	25♑22	19♊32	23♎22	29♈21	28♈30	14♈14	4♈26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s54	25n28	5n17	7s29	0n19	23s35	6s28	24s26	1s35	20n23	0s55	14n38	1n17	21s48	0s34	21n50	1s19	6n27	16n16	11n21	11n33	2n47	4n30	2n27
W 2	6 17	21 45	5 7	8 13	0 13	23 41	6 31	24 30	1 35	20 22	0 55	14 36	1 17	21 48	0 34	21 50	1 19	6 26	16 16	11 20	11 32	2 50	4 29	2 27
T 3	6 40	16 39	4 39	8 55	0 6	23 46	6 33	24 34	1 35	20 22	0 55	14 35	1 17	21 48	0 34	21 50	1 20	6 25	16 16	11 20	11 31	2 53	4 28	2 27
F 4	7 3	10 29	3 52	9 37	0s 1	23 49	6 34	24 38	1 35	20 21	0 55	14 33	1 17	21 48	0 34	21 50	1 20	6 24	16 16	11 19	11 30	2 57	4 26	2 27
S 5	7 26	3 35	2 48	10 18	0 8	23 52	6 35	24 42	1 35	20 21	0 55	14 31	1 17	21 48	0 34	21 50	1 20	6 23	16 16	11 19	11 29	3 0	4 25	2 27
S 6	7 49	3s37	1 32	10 59	0 14	23 54	6 36	24 45	1 35	20 20	0 55	14 29	1 17	21 48	0 34	21 50	1 20	6 22	16 16	11 19	11 28	3 4	4 24	2 26
M 7	8 11	10 37	0 9	11 40	0 21	23 54	6 37	24 48	1 34	20 19	0 55	14 28	1 18	21 48	0 34	21 50	1 20	6 21	16 16	11 19	11 26	3 7	4 23	2 26
T 8	8 34	16 58	1s14	12 19	0 28	23 54	6 36	24 51	1 34	20 18	0 55	14 26	1 18	21 48	0 34	21 50	1 20	6 20	16 16	11 19	11 25	3 10	4 22	2 26
W 9	8 56	22 11	2 31	12 58	0 35	23 52	6 36	24 54	1 34	20 18	0 55	14 25	1 18	21 48	0 34	21 50	1 20	6 19	16 16	11 19	11 24	3 14	4 21	2 26
T 10	9 18	25 54	3 36	13 36	0 41	23 49	6 34	24 56	1 34	20 17	0 55	14 23	1 18	21 47	0 34	21 50	1 20	6 18	16 16	11 19	11 23	3 17	4 19	2 26
F 11	9 41	27 54	4 26	14 14	0 48	23 44	6 32	24 58	1 34	20 16	0 55	14 22	1 18	21 47	0 34	21 50	1 20	6 18	16 16	11 19	11 22	3 20	4 18	2 26
S 12	10 2	28 10	4 59	14 51	0 54	23 39	6 30	25 0	1 34	20 15	0 55	14 20	1 19	21 47	0 34	21 50	1 20	6 17	16 16	11 19	11 21	3 24	4 17	2 26
S 13	10 24	26 49	5 16	15 27	1 1	23 32	6 27	25 1	1 34	20 14	0 55	14 19	1 19	21 47	0 34	21 49	1 20	6 16	16 16	11 19	11 20	3 27	4 16	2 26
M14	10 46	24 7	5 16	16 2	1 7	23 24	6 23	25 3	1 34	20 13	0 55	14 17	1 19	21 47	0 34	21 49	1 20	6 15	16 16	11 19	11 19	3 31	4 15	2 25
T 15	11 8	20 22	5 2	16 36	1 13	23 14	6 18	25 4	1 34	20 12	0 55	14 16	1 19	21 47	0 34	21 49	1 20	6 14	16 16	11 19	11 17	3 34	4 14	2 25
W16	11 29	15 50	4 34	17 10	1 19	23 3	6 13	25 5	1 33	20 11	0 55	14 14	1 19	21 46	0 34	21 49	1 20	6 13	16 16	11 19	11 16	3 37	4 13	2 25
T 17	11 50	10 46	3 55	17 43	1 25	22 50	6 7	25 5	1 33	20 10	0 55	14 13	1 20	21 46	0 34	21 49	1 20	6 13	16 16	11 19	11 15	3 41	4 11	2 25
F 18	12 11	5 21	3 6	18 15	1 31	22 37	6 1	25 5	1 33	20 9	0 55	14 12	1 20	21 46	0 34	21 49	1 20	6 12	16 16	11 19	11 14	3 44	4 10	2 25
S 19	12 32	0n14	2 9	18 46	1 37	22 22	5 53	25 5	1 33	20 8	0 55	14 10	1 20	21 46	0 34	21 49	1 20	6 11	16 16	11 20	11 13	3 47	4 9	2 25
S 20	12 52	5 48	1 7	19 16	1 42	22 5	5 45	25 5	1 33	20 7	0 55	14 9	1 20	21 46	0 34	21 49	1 20	6 10	16 16	11 20	11 12	3 51	4 8	2 25
M21	13 13	11 12	0 2	19 45	1 48	21 47	5 36	25 4	1 33	20 6	0 55	14 8	1 20	21 45	0 34	21 49	1 20	6 9	16 17	11 20	11 11	3 54	4 7	2 25
T 22	13 33	16 14	1n 4	20 13	1 53	21 29	5 27	25 4	1 32	20 5	0 55	14 6	1 21	21 45	0 34	21 49	1 20	6 9	16 17	11 20	11 10	3 58	4 6	2 24
W23	13 53	20 41	2 8	20 40	1 58	21 8	5 16	25 3	1 32	20 4	0 55	14 5	1 21	21 45	0 34	21 48	1 20	6 8	16 17	11 19	11 8	4 1	4 5	2 24
T 24	14 13	24 19	3 6	21 6	2 2	20 47	5 5	25 1	1 32	20 2	0 55	14 4	1 21	21 45	0 34	21 48	1 20	6 7	16 17	11 19	11 7	4 4	4 4	2 24
F 25	14 32	26 53	3 57	21 31	2 7	20 25	4 53	24 59	1 32	20 1	0 55	14 3	1 21	21 44	0 34	21 48	1 20	6 6	16 17	11 19	11 6	4 8	4 3	2 24
S 26	14 51	28 9	4 37	21 55	2 11	20 2	4 41	24 58	1 31	20 0	0 55	14 2	1 21	21 44	0 34	21 48	1 20	6 6	16 17	11 18	11 5	4 11	4 2	2 24
S 27	15 10	27 57	5 4	22 18	2 15	19 39	4 28	24 55	1 31	19 59	0 55	14 1	1 22	21 44	0 34	21 48	1 20	6 5	16 17	11 18	11 4	4 14	4 1	2 24
M28	15 29	26 13	5 16	22 39	2 18	19 14	4 15	24 53	1 31	19 57	0 55	14 0	1 22	21 43	0 34	21 48	1 20	6 4	16 17	11 17	11 3	4 18	4 0	2 23
T 29	15 48	23 1	5 12	22 59	2 22	18 49	4 1	24 50	1 31	19 56	0 55	13 59	1 22	21 43	0 34	21 48	1 20	6 4	16 18	11 17	11 2	4 21	3 59	2 23
W30	16 6	18 29	4 50	23 19	2 24	18 24	3 46	24 47	1 30	19 54	0 55	13 58	1 22	21 43	0 34	21 48	1 20	6 3	16 18	11 17	11 0	4 25	3 58	2 23
T 31	16s24	12n51	4n11	23s36	2s27	17s59	3s32	24s44	1s30	19n53	0s55	13n57	1n23	21s43	0s34	21n47	1s20	6n 2	16n18	11n17	10n59	4n28	3n57	2n23

Julian Day Number = 2174606.5, Delta T = 12m01s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°09'59, Lahiri = 13°17'00 Julian Calendar 1 Oct. 1241 == Greg. Calendar 8 Oct. 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

NOVEMBER 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 9 21	15♏59'52	21♍23	6♐12	8°R42	9♑48	2°R33	26♌47	25♑23	19°R30	23♎25	29♈22	28♈27	14♈21	4°R24	F 1
S 2	3 13 18	17° 0'31	6♎ 3	7°30	8♏ 8	10°34	2♊25	26°51	25°25	19♊29	23°27	29°24	28°24	14°28	4♈22	S 2
S 3	3 17 14	18° 1'12	20°56	8°47	7°36	11°20	2°17	26°54	25°27	19°28	23°29	29°24	28°21	14°34	4°20	S 3
M 4	3 21 11	19° 1'54	5♏55	10° 2	7° 6	12° 6	2°10	26°57	25°29	19°26	23°32	29°R24	28°18	14°41	4°18	M 4
T 5	3 25 7	20° 2'38	20°52	11°15	6°37	12°52	2° 2	26°59	25°31	19°25	23°34	29°23	28°15	14°48	4°17	T 5
W 6	3 29 4	21° 3'24	5♐38	12°26	6°10	13°38	1°54	27° 2	25°33	19°23	23°36	29°21	28°11	14°54	4°15	W 6
T 7	3 33 0	22° 4'10	20° 7	13°34	5°45	14°24	1°46	27° 5	25°35	19°22	23°38	29°18	28° 8	15° 1	4°13	T 7
F 8	3 36 57	23° 4'58	4♑12	14°39	5°22	15°10	1°38	27° 7	25°37	19°20	23°40	29°15	28° 5	15° 7	4°12	F 8
S 9	3 40 54	24° 5'47	17°51	15°41	5° 1	15°56	1°30	27°10	25°39	19°19	23°43	29°11	28° 2	15°14	4°10	S 9
S 10	3 44 50	25° 6'37	1♒ 3	16°39	4°42	16°43	1°22	27°12	25°41	19°17	23°45	29° 8	27°59	15°21	4° 9	S 10
M11	3 48 47	26° 7'28	13°50	17°33	4°26	17°29	1°14	27°14	25°43	19°16	23°47	29° 6	27°56	15°27	4° 7	M11
T 12	3 52 43	27° 8'20	26°16	18°21	4°12	18°15	1° 6	27°17	25°45	19°14	23°49	29°D 6	27°52	15°34	4° 6	T 12
W13	3 56 40	28° 9'13	8♓25	19° 4	4° 1	19° 1	0°57	27°19	25°47	19°13	23°51	29° 6	27°49	15°41	4° 4	W13
T 14	4 0 36	29°10'06	20°21	19°40	3°52	19°48	0°49	27°21	25°50	19°11	23°53	29° 7	27°46	15°47	4° 3	T 14
F 15	4 4 33	0♗11'01	2♈11	20° 9	3°46	20°34	0°41	27°22	25°52	19°10	23°55	29° 9	27°43	15°54	4° 2	F 15
S 16	4 8 29	1°11'56	13°58	20°31	3°42	21°21	0°33	27°24	25°54	19° 8	23°57	29°11	27°40	16° 1	4° 0	S 16
S 17	4 12 26	2°12'52	25°47	20°43	3°D41	22° 7	0°25	27°26	25°57	19° 6	23°59	29°R12	27°36	16° 7	3°59	S 17
M18	4 16 23	3°13'49	7♉42	20°R45	3°42	22°53	0°16	27°27	25°59	19° 5	24° 1	29°12	27°33	16°14	3°58	M18
T 19	4 20 19	4°14'47	19°45	20°37	3°45	23°40	0° 8	27°28	26° 1	19° 3	24° 3	29°10	27°30	16°21	3°57	T 19
W20	4 24 16	5°15'45	1♊58	20°18	3°51	24°26	0° 0	27°30	26° 4	19° 1	24° 5	29° 6	27°27	16°27	3°56	W20
T 21	4 28 12	6°16'45	14°24	19°48	3°59	25°13	29♉52	27°31	26° 6	19° 0	24° 7	29° 0	27°24	16°34	3°55	T 21
F 22	4 32 9	7°17'46	27° 2	19° 6	4°10	25°59	29°44	27°32	26° 9	18°58	24° 9	28°54	27°21	16°41	3°54	F 22
S 23	4 36 5	8°18'48	9♋53	18°13	4°23	26°46	29°36	27°33	26°12	18°57	24°11	28°46	27°17	16°47	3°53	S 23
S 24	4 40 2	9°19'50	22°56	17°11	4°37	27°32	29°28	27°34	26°14	18°55	24°13	28°39	27°14	16°54	3°53	S 24
M25	4 43 58	10°20'54	6♌12	15°59	4°54	28°19	29°20	27°34	26°17	18°53	24°15	28°34	27°11	17° 0	3°52	M25
T 26	4 47 55	11°21'58	19°41	14°42	5°13	29° 6	29°12	27°35	26°20	18°52	24°17	28°29	27° 8	17° 7	3°51	T 26
W27	4 51 52	12°23'03	3♍22	13°20	5°34	29°52	29° 5	27°35	26°22	18°50	24°18	28°27	27° 5	17°14	3°50	W27
T 28	4 55 48	13°24'10	17°15	11°57	5°57	0♒39	28°57	27°36	26°25	18°48	24°20	28°D27	27° 2	17°20	3°50	T 28
F 29	4 59 45	14°25'17	1♎21	10°36	6°22	1°26	28°49	27°36	26°28	18°46	24°22	28°28	26°58	17°27	3°49	F 29
S 30	5 3 41	15♗26'25	15♎39	9♗18	6♏49	2♒12	28♉42	27♌36	26♑31	18♊45	24♎24	28♈29	26♈55	17♈34	3♈49	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s42	6n25	3n15	23s53	2s29	17s33	3s17	24s40	1s30	19n52	0s55	13n56	1n23	21s42	0s34	21n47	1s20	6n 2	16n18	11n18	10n58	4n31	3n56	2n23
S 2	16 59	0s29	2 6	24 8	2 30	17 8	3 1	24 36	1 30	19 50	0 55	13 55	1 23	21 42	0 34	21 47	1 20	6 1	16 18	11 18	10 57	4 35	3 55	2 23
S 3	17 16	7 29	0 47	24 21	2 32	16 43	2 46	24 32	1 29	19 49	0 55	13 54	1 23	21 41	0 34	21 47	1 20	6 0	16 18	11 19	10 56	4 38	3 55	2 23
M 4	17 33	14 7	0s36	24 33	2 32	16 18	2 30	24 28	1 29	19 47	0 55	13 53	1 23	21 41	0 34	21 47	1 20	6 0	16 19	11 19	10 55	4 41	3 54	2 22
T 5	17 50	19 54	1 56	24 44	2 32	15 54	2 15	24 23	1 29	19 46	0 54	13 53	1 24	21 41	0 34	21 47	1 20	5 59	16 19	11 18	10 54	4 45	3 53	2 22
W 6	18 6	24 24	3 7	24 53	2 31	15 30	1 59	24 18	1 28	19 44	0 54	13 52	1 24	21 40	0 34	21 47	1 20	5 59	16 19	11 17	10 53	4 48	3 52	2 22
T 7	18 22	27 14	4 4	25 0	2 30	15 7	1 44	24 13	1 28	19 43	0 54	13 51	1 24	21 40	0 34	21 47	1 20	5 58	16 19	11 16	10 51	4 52	3 51	2 22
F 8	18 37	28 13	4 45	25 6	2 28	14 45	1 29	24 7	1 28	19 41	0 54	13 50	1 24	21 40	0 34	21 46	1 20	5 58	16 20	11 15	10 50	4 55	3 50	2 22
S 9	18 53	27 26	5 8	25 10	2 25	14 24	1 13	24 2	1 27	19 40	0 54	13 50	1 25	21 39	0 34	21 46	1 20	5 57	16 20	11 14	10 49	4 58	3 50	2 21
S 10	19 7	25 7	5 14	25 12	2 21	14 4	0 58	23 56	1 27	19 38	0 54	13 49	1 25	21 39	0 34	21 46	1 20	5 57	16 20	11 13	10 48	5 2	3 49	2 21
M11	19 22	21 35	5 4	25 13	2 16	13 44	0 44	23 49	1 26	19 37	0 54	13 49	1 25	21 38	0 34	21 46	1 20	5 56	16 20	11 12	10 47	5 5	3 48	2 21
T 12	19 36	17 12	4 40	25 11	2 10	13 26	0 29	23 43	1 26	19 35	0 54	13 48	1 25	21 38	0 34	21 46	1 20	5 56	16 21	11 12	10 46	5 8	3 47	2 21
W13	19 50	12 13	4 4	25 8	2 3	13 9	0 15	23 36	1 26	19 34	0 54	13 48	1 25	21 38	0 34	21 46	1 20	5 55	16 21	11 12	10 45	5 12	3 47	2 21
T 14	20 3	6 51	3 17	25 3	1 55	12 53	0 2	23 29	1 25	19 32	0 54	13 47	1 26	21 37	0 34	21 46	1 20	5 55	16 21	11 13	10 43	5 15	3 46	2 21
F 15	20 16	1 19	2 23	24 56	1 45	12 39	0n12	23 21	1 25	19 31	0 53	13 47	1 26	21 37	0 33	21 46	1 20	5 54	16 22	11 13	10 42	5 18	3 45	2 20
S 16	20 29	4n16	1 23	24 46	1 35	12 25	0 24	23 14	1 25	19 29	0 53	13 46	1 26	21 36	0 33	21 45	1 20	5 54	16 22	11 14	10 41	5 22	3 45	2 20
S 17	20 41	9 43	0 19	24 35	1 23	12 13	0 37	23 6	1 24	19 27	0 53	13 46	1 26	21 36	0 33	21 45	1 20	5 53	16 22	11 14	10 40	5 25	3 44	2 20
M18	20 53	14 52	0n46	24 22	1 9	12 2	0 49	22 58	1 24	19 26	0 53	13 46	1 27	21 35	0 33	21 45	1 20	5 53	16 22	11 14	10 39	5 29	3 43	2 20
T 19	21 5	19 30	1 50	24 6	0 54	11 52	1 1	22 49	1 23	19 24	0 53	13 46	1 27	21 35	0 33	21 45	1 20	5 52	16 23	11 13	10 38	5 32	3 43	2 20
W20	21 16	23 24	2 49	23 48	0 37	11 44	1 12	22 41	1 23	19 23	0 53	13 45	1 27	21 34	0 33	21 45	1 20	5 52	16 23	11 12	10 37	5 35	3 42	2 19
T 21	21 27	26 17	3 41	23 28	0 20	11 36	1 23	22 32	1 22	19 21	0 53	13 45	1 27	21 34	0 33	21 45	1 20	5 52	16 23	11 10	10 35	5 39	3 42	2 19
F 22	21 37	27 54	4 23	23 6	0 1	11 30	1 33	22 23	1 22	19 20	0 52	13 45	1 28	21 33	0 33	21 45	1 20	5 51	16 24	11 8	10 34	5 42	3 41	2 19
S 23	21 47	28 2	4 53	22 42	0n19	11 25	1 43	22 13	1 21	19 18	0 52	13 45	1 28	21 33	0 33	21 44	1 20	5 51	16 24	11 5	10 33	5 45	3 40	2 19
S 24	21 57	26 38	5 8	22 16	0 39	11 21	1 52	22 4	1 21	19 16	0 52	13 45	1 28	21 32	0 33	21 44	1 20	5 51	16 25	11 3	10 32	5 49	3 40	2 19
M25	22 6	23 45	5 7	21 49	0 59	11 18	2 1	21 54	1 21	19 15	0 52	13 45	1 28	21 32	0 33	21 44	1 20	5 50	16 25	11 0	10 31	5 52	3 40	2 19
T 26	22 14	19 32	4 49	21 21	1 19	11 17	2 10	21 44	1 20	19 13	0 52	13 45	1 29	21 31	0 33	21 44	1 20	5 50	16 25	10 59	10 30	5 55	3 39	2 18
W27	22 22	14 16	4 14	20 52	1 38	11 16	2 18	21 34	1 20	19 12	0 52	13 45	1 29	21 31	0 33	21 44	1 20	5 50	16 26	10 58	10 28	5 59	3 39	2 18
T 28	22 30	8 11	3 24	20 24	1 56	11 16	2 26	21 23	1 19	19 10	0 51	13 45	1 29	21 30	0 33	21 44	1 20	5 50	16 26	10 58	10 27	6 2	3 38	2 18
F 29	22 38	1 37	2 21	19 57	2 12	11 17	2 33	21 12	1 19	19 9	0 51	13 45	1 29	21 30	0 33	21 44	1 20	5 49	16 26	10 58	10 26	6 5	3 38	2 18
S 30	22s44	5s 8	1n 9	19s32	2n26	11s19	2n40	21s 1	1s18	19n 7	0s51	13n45	1n30	21s29	0s33	21n43	1s20	5n49	16n27	10n59	10n25	6n 9	3n37	2n18

Julian Day Number = 2174637.5, Delta T = 12m01s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'04, Lahiri = 13°17'04 Julian Calendar 1 Nov. 1241 == Greg. Calendar 8 Nov. 1241

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ASTRODIENST EPHEMERIS for the year 1241
geocentric

DECEMBER 1241 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 7 38	16♐27'34	0♏ 6	8°R 8	7♏17	2♒59	28°R34	27°R36	26♉34	18°R43	24♎25	28°R30	26♈52	17♈40	3°R48	S 1
M 2	5 11 34	17°28'44	14°40	7♐ 6	7°47	3°46	28♉27	27♌36	26°36	18♊41	24°27	28♈28	26°49	17°47	3♈48	M 2
T 3	5 15 31	18°29'54	29°14	6°13	8°18	4°32	28°20	27°36	26°39	18°40	24°29	28°25	26°46	17°54	3°48	T 3
W 4	5 19 27	19°31'05	13♐44	5°31	8°51	5°19	28°12	27°36	26°42	18°38	24°30	28°19	26°42	18° 0	3°48	W 4
T 5	5 23 24	20°32'17	28° 1	5° 0	9°25	6° 6	28° 5	27°35	26°45	18°36	24°32	28°11	26°39	18° 7	3°47	T 5
F 6	5 27 21	21°33'29	12♑ 2	4°39	10° 1	6°52	27°59	27°35	26°48	18°35	24°34	28° 2	26°36	18°14	3°47	F 6
S 7	5 31 17	22°34'41	25°40	4°29	10°38	7°39	27°52	27°34	26°51	18°33	24°35	27°52	26°33	18°20	3°47	S 7
S 8	5 35 14	23°35'53	8♒55	4°D29	11°17	8°26	27°45	27°34	26°54	18°31	24°37	27°43	26°30	18°27	3°D47	S 8
M 9	5 39 10	24°37'05	21°45	4°38	11°56	9°13	27°39	27°33	26°58	18°29	24°38	27°36	26°27	18°34	3°47	M 9
T 10	5 43 7	25°38'17	4♓14	4°55	12°37	10° 0	27°32	27°32	27° 1	18°28	24°40	27°31	26°23	18°40	3°47	T 10
W11	5 47 3	26°39'29	16°25	5°20	13°19	10°46	27°26	27°31	27° 4	18°26	24°41	27°29	26°20	18°47	3°48	W11
T 12	5 51 0	27°40'40	28°23	5°52	14° 2	11°33	27°20	27°29	27° 7	18°24	24°42	27°D28	26°17	18°53	3°48	T 12
F 13	5 54 57	28°41'52	10♈12	6°30	14°47	12°20	27°14	27°28	27°10	18°23	24°44	27°28	26°14	19° 0	3°48	F 13
S 14	5 58 53	29°43'03	21°59	7°14	15°32	13° 7	27° 8	27°27	27°13	18°21	24°45	27°R29	26°11	19° 7	3°48	S 14
S 15	6 2 50	0♑44'14	3♉49	8° 3	16°18	13°53	27° 2	27°25	27°16	18°19	24°46	27°29	26° 8	19°13	3°49	S 15
M16	6 6 46	1°45'25	15°47	8°55	17° 5	14°40	26°57	27°24	27°20	18°18	24°48	27°27	26° 4	19°20	3°49	M16
T 17	6 10 43	2°46'36	27°57	9°52	17°53	15°27	26°52	27°22	27°23	18°16	24°49	27°23	26° 1	19°27	3°50	T 17
W18	6 14 39	3°47'46	10♊22	10°53	18°42	16°14	26°46	27°20	27°26	18°14	24°50	27°16	25°58	19°33	3°50	W18
T 19	6 18 36	4°48'56	23° 3	11°56	19°32	17° 0	26°41	27°18	27°30	18°13	24°51	27° 6	25°55	19°40	3°51	T 19
F 20	6 22 32	5°50'06	6♋ 2	13° 2	20°22	17°47	26°37	27°16	27°33	18°11	24°52	26°55	25°52	19°47	3°52	F 20
S 21	6 26 29	6°51'16	19°17	14°11	21°14	18°34	26°32	27°14	27°36	18°10	24°53	26°42	25°48	19°53	3°52	S 21
S 22	6 30 26	7°52'26	2♌45	15°22	22° 6	19°21	26°28	27°12	27°40	18° 8	24°54	26°30	25°45	20° 0	3°53	S 22
M23	6 34 22	8°53'35	16°25	16°34	22°59	20° 7	26°23	27°10	27°43	18° 6	24°55	26°20	25°42	20° 7	3°54	M23
T 24	6 38 19	9°54'44	0♍14	17°49	23°52	20°54	26°19	27° 7	27°46	18° 5	24°56	26°12	25°39	20°13	3°55	T 24
W25	6 42 15	10°55'53	14° 9	19° 5	24°46	21°41	26°15	27° 5	27°50	18° 3	24°57	26° 6	25°36	20°20	3°56	W25
T 26	6 46 12	11°57'02	28° 8	20°23	25°41	22°27	26°12	27° 2	27°53	18° 2	24°58	26° 4	25°33	20°27	3°57	T 26
F 27	6 50 8	12°58'10	12♎11	21°42	26°37	23°14	26° 8	26°59	27°56	18° 0	24°59	26°D 3	25°29	20°33	3°58	F 27
S 28	6 54 5	13°59'18	26°16	23° 2	27°33	24° 1	26° 5	26°57	28° 0	17°59	25° 0	26°R 3	25°26	20°40	3°59	S 28
S 29	6 58 1	15° 0'27	10♏23	24°24	28°29	24°47	26° 2	26°54	28° 3	17°57	25° 1	26° 3	25°23	20°46	4° 0	S 29
M30	7 1 58	16° 1'35	24°31	25°46	29°27	25°34	25°59	26°51	28° 7	17°56	25° 2	26° 0	25°20	20°53	4° 1	M30
T 31	7 5 55	17♑ 2'42	8♐38	27♐10	0♐24	26♒21	25♉56	26♌48	28♑10	17♊54	25♎ 2	25♈55	25♈17	21♈ 0	4♈ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s51	11s42	0s 9	19s10	2n37	11s22	2n47	20s50	1s18	19n 6	0s51	13n46	1n30	21s28	0s33	21n43	1s20	5n49	16n27	10n59	10n24	6n12	3n37	2n17
M 2	22 57	17 41	1 26	18 51	2 46	11 26	2 53	20 38	1 17	19 5	0 51	13 46	1 30	21 28	0 33	21 43	1 20	5 49	16 28	10 59	10 23	6 16	3 37	2 17
T 3	23 2	22 38	2 38	18 36	2 53	11 31	2 59	20 27	1 17	19 3	0 50	13 46	1 30	21 27	0 33	21 43	1 20	5 49	16 28	10 57	10 22	6 19	3 37	2 17
W 4	23 7	26 10	3 39	18 24	2 58	11 36	3 4	20 15	1 16	19 2	0 50	13 46	1 31	21 27	0 33	21 43	1 20	5 48	16 29	10 55	10 20	6 22	3 36	2 17
T 5	23 12	27 56	4 25	18 16	3 0	11 42	3 9	20 3	1 16	19 0	0 50	13 47	1 31	21 26	0 33	21 43	1 20	5 48	16 29	10 52	10 19	6 26	3 36	2 17
F 6	23 16	27 52	4 54	18 12	3 1	11 49	3 14	19 50	1 15	18 59	0 50	13 47	1 31	21 26	0 33	21 43	1 20	5 48	16 29	10 49	10 18	6 29	3 36	2 16
S 7	23 20	26 6	5 6	18 11	2 59	11 56	3 19	19 38	1 14	18 58	0 50	13 48	1 31	21 25	0 33	21 43	1 20	5 48	16 30	10 46	10 17	6 32	3 36	2 16
S 8	23 23	22 55	5 0	18 14	2 57	12 4	3 23	19 25	1 14	18 56	0 49	13 48	1 31	21 24	0 33	21 42	1 20	5 48	16 30	10 42	10 16	6 36	3 35	2 16
M 9	23 26	18 43	4 39	18 19	2 53	12 12	3 27	19 12	1 13	18 55	0 49	13 49	1 32	21 24	0 33	21 42	1 20	5 48	16 31	10 40	10 15	6 39	3 35	2 16
T 10	23 28	13 48	4 6	18 27	2 48	12 21	3 30	18 59	1 13	18 54	0 49	13 49	1 32	21 23	0 33	21 42	1 20	5 48	16 31	10 38	10 14	6 42	3 35	2 16
W11	23 30	8 29	3 22	18 37	2 43	12 31	3 34	18 46	1 12	18 53	0 49	13 50	1 32	21 23	0 33	21 42	1 20	5 48	16 32	10 37	10 12	6 46	3 35	2 15
T 12	23 31	2 56	2 29	18 49	2 36	12 40	3 36	18 32	1 12	18 52	0 48	13 50	1 32	21 22	0 33	21 42	1 20	5 48	16 32	10 37	10 11	6 49	3 35	2 15
F 13	23 32	2n40	1 31	19 2	2 29	12 51	3 39	18 19	1 11	18 50	0 48	13 51	1 33	21 21	0 33	21 42	1 20	5 48	16 33	10 37	10 10	6 52	3 35	2 15
S 14	23 32	8 9	0 29	19 17	2 22	13 1	3 42	18 5	1 10	18 49	0 48	13 52	1 33	21 21	0 33	21 42	1 20	5 48	16 33	10 37	10 9	6 56	3 35	2 15
S 15	23 32	13 23	0n34	19 32	2 14	13 12	3 44	17 51	1 10	18 48	0 48	13 52	1 33	21 20	0 33	21 41	1 20	5 48	16 34	10 37	10 8	6 59	3 35	2 15
M16	23 32	18 10	1 36	19 48	2 6	13 24	3 46	17 36	1 9	18 47	0 48	13 53	1 33	21 19	0 33	21 41	1 20	5 48	16 34	10 37	10 7	7 2	3 35	2 14
T 17	23 31	22 18	2 35	20 5	1 58	13 36	3 47	17 22	1 9	18 46	0 47	13 54	1 34	21 19	0 33	21 41	1 20	5 48	16 35	10 35	10 5	7 6	3 35	2 14
W18	23 29	25 31	3 27	20 22	1 49	13 48	3 49	17 7	1 8	18 45	0 47	13 55	1 34	21 18	0 33	21 41	1 20	5 48	16 35	10 33	10 4	7 9	3 35	2 14
T 19	23 27	27 32	4 11	20 39	1 40	14 0	3 50	16 53	1 8	18 44	0 47	13 56	1 34	21 17	0 33	21 41	1 20	5 48	16 36	10 29	10 3	7 12	3 35	2 14
F 20	23 25	28 6	4 42	20 56	1 32	14 12	3 51	16 38	1 7	18 43	0 47	13 57	1 34	21 17	0 33	21 41	1 20	5 48	16 36	10 25	10 2	7 16	3 35	2 14
S 21	23 22	27 5	4 59	21 13	1 23	14 25	3 52	16 23	1 6	18 43	0 46	13 58	1 34	21 16	0 33	21 41	1 20	5 48	16 37	10 20	10 1	7 19	3 35	2 13
S 22	23 18	24 29	5 0	21 30	1 14	14 38	3 52	16 7	1 6	18 42	0 46	13 59	1 35	21 15	0 33	21 41	1 20	5 48	16 37	10 16	10 0	7 22	3 35	2 13
M23	23 14	20 29	4 44	21 46	1 5	14 51	3 53	15 52	1 5	18 41	0 46	14 0	1 35	21 15	0 33	21 41	1 20	5 48	16 38	10 12	9 58	7 26	3 35	2 13
T 24	23 10	15 20	4 11	22 2	0 57	15 4	3 53	15 36	1 4	18 40	0 46	14 1	1 35	21 14	0 33	21 40	1 20	5 48	16 38	10 9	9 57	7 29	3 36	2 13
W25	23 5	9 23	3 23	22 17	0 48	15 17	3 53	15 21	1 4	18 40	0 45	14 2	1 35	21 13	0 33	21 40	1 20	5 48	16 39	10 7	9 56	7 32	3 36	2 13
T 26	23 0	2 55	2 22	22 32	0 40	15 30	3 52	15 5	1 3	18 39	0 45	14 3	1 36	21 13	0 33	21 40	1 20	5 49	16 39	10 6	9 55	7 36	3 36	2 12
F 27	22 54	3s43	1 13	22 46	0 31	15 43	3 52	14 49	1 3	18 38	0 45	14 4	1 36	21 12	0 33	21 40	1 20	5 49	16 40	10 6	9 54	7 39	3 36	2 12
S 28	22 48	10 12	0s 1	22 58	0 23	15 56	3 51	14 33	1 2	18 38	0 45	14 5	1 36	21 11	0 33	21 40	1 20	5 49	16 40	10 6	9 53	7 42	3 37	2 12
S 29	22 41	16 11	1 15	23 11	0 15	16 9	3 51	14 17	1 1	18 37	0 44	14 6	1 36	21 11	0 33	21 40	1 20	5 49	16 41	10 6	9 51	7 46	3 37	2 12
M30	22 34	21 19	2 24	23 22	0 7	16 23	3 50	14 0	1 1	18 37	0 44	14 8	1 36	21 10	0 33	21 40	1 20	5 49	16 41	10 5	9 50	7 49	3 37	2 12
T 31	22s27	25s12	3s25	23s32	0s 1	16s36	3n48	13s44	1s 0	18n36	0s44	14n 9	1n37	21s 9	0s33	21n40	1s20	5n50	16n42	10n 3	9n49	7n52	3n38	2n12

Julian Day Number = 2174667.5, Delta T = 12m00s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'08, Lahiri = 13°17'08 Julian Calendar 1 Dec. 1241 == Greg. Calendar 8 Dec. 1241

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

JANUARY 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 9 51	18♑ 3'50	22♐40	28♐34	1♐22	27♒ 7	25°R53	26°R45	28♑14	17°R53	25♎ 3	25°R46	25♈14	21♈ 6	4♈ 4	W 1
T 2	7 13 48	19° 4'57	6♑34	29°59	2°21	27°54	25♉51	26♌41	28°17	17♊52	25° 4	25♈35	25°10	21°13	4° 5	T 2
F 3	7 17 44	20° 6'03	20°15	1♑25	3°20	28°40	25°49	26°38	28°21	17°50	25° 4	25°22	25° 7	21°20	4° 7	F 3
S 4	7 21 41	21° 7'08	3♒40	2°52	4°20	29°27	25°47	26°35	28°24	17°49	25° 5	25° 9	25° 4	21°26	4° 8	S 4
S 5	7 25 37	22° 8'12	16°46	4°20	5°20	0♓13	25°45	26°31	28°28	17°47	25° 6	24°56	25° 1	21°33	4°10	S 5
M 6	7 29 34	23° 9'16	29°32	5°48	6°20	1° 0	25°44	26°28	28°31	17°46	25° 6	24°45	24°58	21°40	4°12	M 6
T 7	7 33 31	24°10'18	11♓59	7°17	7°21	1°46	25°43	26°24	28°35	17°45	25° 7	24°37	24°54	21°46	4°13	T 7
W 8	7 37 27	25°11'19	24°10	8°47	8°22	2°33	25°41	26°20	28°38	17°44	25° 7	24°31	24°51	21°53	4°15	W 8
T 9	7 41 24	26°12'19	6♈ 8	10°17	9°24	3°19	25°41	26°16	28°42	17°42	25° 8	24°29	24°48	22° 0	4°17	T 9
F 10	7 45 20	27°13'18	17°58	11°49	10°26	4° 6	25°40	26°13	28°45	17°41	25° 8	24°28	24°45	22° 6	4°18	F 10
S 11	7 49 17	28°14'16	29°45	13°20	11°28	4°52	25°39	26° 9	28°49	17°40	25° 8	24°28	24°42	22°13	4°20	S 11
S 12	7 53 13	29°15'12	11♉36	14°53	12°30	5°39	25°39	26° 5	28°52	17°39	25° 9	24°27	24°39	22°20	4°22	S 12
M13	7 57 10	0♒16'07	23°34	16°26	13°33	6°25	25°D39	26° 1	28°56	17°37	25° 9	24°25	24°35	22°26	4°24	M13
T 14	8 1 6	1°17'01	5♊47	18° 0	14°37	7°11	25°39	25°56	28°59	17°36	25° 9	24°21	24°32	22°33	4°26	T 14
W15	8 5 3	2°17'53	18°17	19°35	15°40	7°58	25°39	25°52	29° 3	17°35	25° 9	24°14	24°29	22°39	4°28	W15
T 16	8 9 0	3°18'44	1♋ 9	21°10	16°44	8°44	25°40	25°48	29° 6	17°34	25°10	24° 5	24°26	22°46	4°30	T 16
F 17	8 12 56	4°19'34	14°22	22°46	17°48	9°30	25°41	25°44	29°10	17°33	25°10	23°53	24°23	22°53	4°32	F 17
S 18	8 16 53	5°20'23	27°57	24°23	18°52	10°16	25°42	25°39	29°13	17°32	25°10	23°41	24°20	22°59	4°35	S 18
S 19	8 20 49	6°21'10	11♌50	26° 1	19°57	11° 2	25°43	25°35	29°17	17°31	25°10	23°28	24°16	23° 6	4°37	S 19
M20	8 24 46	7°21'55	25°57	27°39	21° 2	11°49	25°44	25°31	29°20	17°30	25°R10	23°17	24°13	23°13	4°39	M20
T 21	8 28 42	8°22'40	10♍13	29°18	22° 7	12°35	25°46	25°26	29°24	17°29	25°10	23° 9	24°10	23°19	4°41	T 21
W22	8 32 39	9°23'23	24°33	0♒58	23°12	13°21	25°47	25°22	29°27	17°28	25°10	23° 3	24° 7	23°26	4°44	W22
T 23	8 36 35	10°24'05	8♎52	2°39	24°18	14° 7	25°49	25°17	29°31	17°27	25°10	23° 0	24° 4	23°33	4°46	T 23
F 24	8 40 32	11°24'46	23° 6	4°21	25°24	14°53	25°51	25°13	29°34	17°26	25°10	23°D 0	24° 0	23°39	4°49	F 24
S 25	8 44 29	12°25'26	7♏15	6° 3	26°30	15°39	25°54	25° 8	29°38	17°26	25° 9	23°R 0	23°57	23°46	4°51	S 25
S 26	8 48 25	13°26'05	21°16	7°46	27°36	16°25	25°56	25° 3	29°41	17°25	25° 9	23° 0	23°54	23°53	4°54	S 26
M27	8 52 22	14°26'42	5♐ 9	9°31	28°42	17°11	25°59	24°59	29°44	17°24	25° 9	22°58	23°51	23°59	4°56	M27
T 28	8 56 18	15°27'19	18°55	11°16	29°49	17°57	26° 2	24°54	29°48	17°23	25° 9	22°54	23°48	24° 6	4°59	T 28
W29	9 0 15	16°27'54	2♑32	13° 2	0♑56	18°42	26° 5	24°49	29°51	17°23	25° 8	22°47	23°45	24°12	5° 1	W29
T 30	9 4 11	17°28'28	15°59	14°48	2° 3	19°28	26° 8	24°44	29°55	17°22	25° 8	22°37	23°41	24°19	5° 4	T 30
F 31	9 8 8	18♒29'00	29♑15	16♒36	3♑10	20♓14	26♉12	24♌40	29♑58	17♊21	25♎ 8	22♈26	23♈38	24♈26	5♈ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s19	27s32	4s12	23s41	0s 9	16s49	3n47	13s27	0s59	18n36	0s44	14n10	1n37	21s 9	0s33	21n40	1s20	5n50	16n42	10n 0	9n48	7n56	3n38	2n11
T 2	22 11	28 6	4 44	23 49	0 16	17 2	3 46	13 10	0 59	18 36	0 43	14 11	1 37	21 8	0 33	21 39	1 20	5 50	16 43	9 56	9 47	7 59	3 38	2 11
F 3	22 2	26 56	4 59	23 56	0 24	17 14	3 44	12 54	0 58	18 36	0 43	14 13	1 37	21 7	0 33	21 39	1 20	5 50	16 44	9 51	9 46	8 2	3 39	2 11
S 4	21 52	24 13	4 57	24 2	0 31	17 27	3 43	12 37	0 57	18 35	0 43	14 14	1 37	21 6	0 33	21 39	1 20	5 51	16 44	9 46	9 45	8 6	3 39	2 11
S 5	21 43	20 18	4 39	24 6	0 38	17 40	3 41	12 19	0 57	18 35	0 43	14 15	1 38	21 6	0 33	21 39	1 20	5 51	16 45	9 42	9 43	8 9	3 40	2 11
M 6	21 33	15 32	4 7	24 9	0 45	17 52	3 39	12 2	0 56	18 35	0 42	14 17	1 38	21 5	0 33	21 39	1 20	5 51	16 45	9 38	9 42	8 12	3 40	2 10
T 7	21 22	10 14	3 24	24 12	0 51	18 4	3 37	11 45	0 55	18 35	0 42	14 18	1 38	21 4	0 33	21 39	1 20	5 52	16 46	9 35	9 41	8 15	3 41	2 10
W 8	21 11	4 40	2 33	24 12	0 58	18 16	3 34	11 28	0 55	18 35	0 42	14 20	1 38	21 4	0 33	21 39	1 20	5 52	16 46	9 33	9 40	8 19	3 41	2 10
T 9	21 0	0n59	1 35	24 12	1 4	18 27	3 32	11 10	0 54	18 35	0 42	14 21	1 38	21 3	0 33	21 39	1 20	5 52	16 47	9 32	9 39	8 22	3 42	2 10
F 10	20 48	6 33	0 34	24 10	1 10	18 39	3 30	10 53	0 53	18 35	0 41	14 23	1 39	21 2	0 33	21 39	1 20	5 53	16 47	9 31	9 38	8 25	3 42	2 10
S 11	20 36	11 52	0n28	24 7	1 15	18 50	3 27	10 35	0 53	18 35	0 41	14 24	1 39	21 1	0 33	21 39	1 19	5 53	16 48	9 31	9 36	8 29	3 43	2 10
S 12	20 24	16 48	1 29	24 2	1 21	19 1	3 24	10 17	0 52	18 35	0 41	14 26	1 39	21 1	0 33	21 39	1 19	5 54	16 49	9 31	9 35	8 32	3 43	2 9
M13	20 11	21 8	2 28	23 57	1 26	19 11	3 22	9 59	0 51	18 36	0 41	14 27	1 39	21 0	0 33	21 39	1 19	5 54	16 49	9 30	9 34	8 35	3 44	2 9
T 14	19 57	24 39	3 20	23 49	1 31	19 21	3 19	9 42	0 51	18 36	0 40	14 29	1 39	20 59	0 33	21 39	1 19	5 54	16 50	9 29	9 33	8 39	3 45	2 9
W15	19 44	27 5	4 4	23 40	1 35	19 31	3 16	9 24	0 50	18 36	0 40	14 30	1 39	20 59	0 33	21 38	1 19	5 55	16 50	9 26	9 32	8 42	3 45	2 9
T 16	19 30	28 9	4 37	23 30	1 39	19 41	3 13	9 6	0 49	18 37	0 40	14 32	1 40	20 58	0 33	21 38	1 19	5 55	16 51	9 23	9 30	8 45	3 46	2 9
F 17	19 15	27 41	4 57	23 18	1 43	19 50	3 9	8 47	0 49	18 37	0 40	14 34	1 40	20 57	0 33	21 38	1 19	5 56	16 51	9 18	9 29	8 48	3 47	2 9
S 18	19 1	25 33	5 0	23 5	1 47	19 59	3 6	8 29	0 48	18 37	0 39	14 35	1 40	20 56	0 33	21 38	1 19	5 56	16 52	9 14	9 28	8 52	3 47	2 8
S 19	18 46	21 53	4 46	22 50	1 50	20 7	3 3	8 11	0 47	18 38	0 39	14 37	1 40	20 56	0 33	21 38	1 19	5 57	16 52	9 9	9 27	8 55	3 48	2 8
M20	18 30	16 54	4 14	22 34	1 53	20 15	3 0	7 53	0 47	18 39	0 39	14 38	1 40	20 55	0 33	21 38	1 19	5 57	16 53	9 5	9 26	8 58	3 49	2 8
T 21	18 15	10 56	3 26	22 16	1 56	20 22	2 56	7 34	0 46	18 39	0 39	14 40	1 40	20 54	0 33	21 38	1 19	5 58	16 53	9 2	9 25	9 2	3 50	2 8
W22	17 59	4 23	2 25	21 57	1 58	20 30	2 53	7 16	0 45	18 40	0 39	14 42	1 40	20 54	0 33	21 38	1 19	5 58	16 54	9 0	9 23	9 5	3 50	2 8
T 23	17 42	2s23	1 14	21 36	2 0	20 36	2 49	6 58	0 44	18 40	0 38	14 43	1 41	20 53	0 33	21 38	1 19	5 59	16 55	8 59	9 22	9 8	3 51	2 8
F 24	17 26	9 2	0s 1	21 14	2 2	20 42	2 45	6 39	0 44	18 41	0 38	14 45	1 41	20 52	0 33	21 38	1 19	5 59	16 55	8 59	9 21	9 11	3 52	2 7
S 25	17 9	15 10	1 15	20 50	2 3	20 48	2 42	6 21	0 43	18 42	0 38	14 47	1 41	20 51	0 33	21 38	1 19	6 0	16 56	8 59	9 20	9 15	3 53	2 7
S 26	16 52	20 28	2 24	20 24	2 4	20 53	2 38	6 2	0 42	18 43	0 38	14 49	1 41	20 51	0 33	21 38	1 19	6 0	16 56	8 59	9 19	9 18	3 54	2 7
M27	16 34	24 36	3 24	19 57	2 4	20 58	2 34	5 43	0 42	18 44	0 37	14 50	1 41	20 50	0 33	21 38	1 19	6 1	16 57	8 58	9 18	9 21	3 55	2 7
T 28	16 16	27 15	4 12	19 28	2 4	21 2	2 30	5 25	0 41	18 45	0 37	14 52	1 41	20 49	0 33	21 38	1 19	6 2	16 57	8 56	9 16	9 25	3 55	2 7
W29	15 58	28 15	4 44	18 57	2 4	21 6	2 26	5 6	0 40	18 46	0 37	14 54	1 41	20 48	0 33	21 38	1 19	6 2	16 58	8 54	9 15	9 28	3 56	2 7
T 30	15 40	27 33	5 1	18 25	2 3	21 9	2 22	4 48	0 40	18 47	0 37	14 55	1 41	20 48	0 33	21 38	1 19	6 3	16 58	8 50	9 14	9 31	3 57	2 6
F 31	15s21	25s18	5s 1	17s52	2s 2	21s12	2n18	4s29	0s39	18n48	0s36	14n57	1n42	20s47	0s33	21n38	1s19	6n 3	16n59	8n46	9n13	9n34	3n58	2n 6

Julian Day Number = 2174698.5, Delta T = 12m00s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'12, Lahiri = 13°17'12 Julian Calendar 1 Jan. 1242 == Greg. Calendar 8 Jan. 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

FEBRUARY 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 4	19♒29'31	12♒18	18♒25	4♉17	21♓ 0	26♉15	24°R35	0♒ 1	17°R21	25°R 7	22°R14	23♈35	24♈32	5♈10	S 1
S 2	9 16 1	20°30'00	25° 6	20°14	5°25	21°45	26°19	24♌30	0° 5	17♊20	25♎ 7	22♈ 3	23°32	24°39	5°12	S 2
M 3	9 19 58	21°30'28	7♓40	22° 4	6°33	22°31	26°23	24°25	0° 8	17°19	25° 6	21°54	23°29	24°46	5°15	M 3
T 4	9 23 54	22°30'54	19°59	23°55	7°40	23°17	26°28	24°20	0°11	17°19	25° 6	21°46	23°26	24°52	5°18	T 4
W 5	9 27 51	23°31'17	2♈ 5	25°47	8°48	24° 2	26°32	24°16	0°15	17°18	25° 5	21°42	23°22	24°59	5°21	W 5
T 6	9 31 47	24°31'39	14° 1	27°40	9°56	24°48	26°37	24°11	0°18	17°18	25° 5	21°40	23°19	25° 6	5°24	T 6
F 7	9 35 44	25°31'59	25°50	29°33	11° 5	25°33	26°41	24° 6	0°21	17°17	25° 4	21°D39	23°16	25°12	5°27	F 7
S 8	9 39 40	26°32'17	7♉37	1♓27	12°13	26°19	26°46	24° 1	0°25	17°17	25° 4	21°40	23°13	25°19	5°30	S 8
S 9	9 43 37	27°32'33	19°26	3°21	13°21	27° 4	26°51	23°56	0°28	17°17	25° 3	21°41	23°10	25°26	5°33	S 9
M10	9 47 33	28°32'47	1♊24	5°16	14°30	27°50	26°57	23°51	0°31	17°16	25° 2	21°R41	23° 6	25°32	5°36	M10
T 11	9 51 30	29°32'59	13°35	7°11	15°39	28°35	27° 2	23°47	0°34	17°16	25° 2	21°40	23° 3	25°39	5°39	T 11
W12	9 55 27	0♓33'09	26° 5	9° 6	16°48	29°21	27° 8	23°42	0°37	17°16	25° 1	21°37	23° 0	25°46	5°42	W12
T 13	9 59 23	1°33'17	8♋58	11° 0	17°56	0♈ 6	27°13	23°37	0°40	17°16	25° 0	21°32	22°57	25°52	5°45	T 13
F 14	10 3 20	2°33'22	22°16	12°54	19° 6	0°51	27°19	23°32	0°44	17°15	24°59	21°25	22°54	25°59	5°48	F 14
S 15	10 7 16	3°33'26	5♌59	14°48	20°15	1°36	27°26	23°28	0°47	17°15	24°58	21°17	22°51	26° 5	5°52	S 15
S 16	10 11 13	4°33'27	20° 7	16°40	21°24	2°21	27°32	23°23	0°50	17°15	24°57	21° 9	22°47	26°12	5°55	S 16
M17	10 15 9	5°33'27	4♍34	18°30	22°33	3° 6	27°38	23°18	0°53	17°15	24°57	21° 2	22°44	26°19	5°58	M17
T 18	10 19 6	6°33'24	19°15	20°19	23°43	3°51	27°45	23°14	0°56	17°15	24°56	20°56	22°41	26°25	6° 1	T 18
W19	10 23 2	7°33'20	4♎ 1	22° 5	24°52	4°36	27°52	23° 9	0°59	17°D15	24°55	20°53	22°38	26°32	6° 5	W19
T 20	10 26 59	8°33'13	18°46	23°49	26° 2	5°21	27°58	23° 4	1° 2	17°15	24°54	20°D52	22°35	26°39	6° 8	T 20
F 21	10 30 55	9°33'05	3♏23	25°29	27°12	6° 6	28° 6	23° 0	1° 5	17°15	24°53	20°53	22°31	26°45	6°11	F 21
S 22	10 34 52	10°32'56	17°48	27° 5	28°21	6°51	28°13	22°55	1° 8	17°15	24°52	20°54	22°28	26°52	6°15	S 22
S 23	10 38 49	11°32'44	1♐58	28°37	29°31	7°36	28°20	22°51	1°10	17°15	24°50	20°55	22°25	26°59	6°18	S 23
M24	10 42 45	12°32'31	15°51	0♈ 4	0♒41	8°21	28°28	22°47	1°13	17°15	24°49	20°R55	22°22	27° 5	6°21	M24
T 25	10 46 42	13°32'17	29°29	1°26	1°51	9° 6	28°35	22°42	1°16	17°16	24°48	20°54	22°19	27°12	6°25	T 25
W26	10 50 38	14°32'00	12♑51	2°42	3° 2	9°50	28°43	22°38	1°19	17°16	24°47	20°51	22°16	27°19	6°28	W26
T 27	10 54 35	15°31'42	25°59	3°51	4°12	10°35	28°51	22°34	1°22	17°16	24°46	20°47	22°12	27°25	6°32	T 27
F 28	10 58 31	16♓31'22	8♒52	4♈54	5♒22	11♈20	28♉59	22♌29	1♒24	17♊16	24♎45	20♈41	22♈ 9	27♈32	6♈35	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 2	21s44	4s45	17s16	2s 0	21s14	2n14	4s10	0s38	18n49	0s36	14n59	1n42	20s46	0s33	21n38	1s19	6n 4	16n59	8n42	9n12	9n38	3n59	2n 6
S 2	14 43	17 12	4 15	16 39	1 57	21 16	2 10	3 51	0 37	18 50	0 36	15 1	1 42	20 46	0 33	21 38	1 18	6 5	17 0	8 37	9 11	9 41	4 0	2 6
M 3	14 24	12 1	3 33	16 1	1 54	21 17	2 6	3 33	0 37	18 51	0 36	15 2	1 42	20 45	0 33	21 38	1 18	6 5	17 0	8 34	9 9	9 44	4 1	2 6
T 4	14 4	6 27	2 41	15 21	1 51	21 17	2 2	3 14	0 36	18 52	0 35	15 4	1 42	20 44	0 33	21 38	1 18	6 6	17 1	8 31	9 8	9 48	4 2	2 6
W 5	13 44	0 45	1 43	14 39	1 47	21 17	1 58	2 55	0 35	18 53	0 35	15 6	1 42	20 44	0 33	21 38	1 18	6 7	17 1	8 29	9 7	9 51	4 3	2 6
T 6	13 24	4n55	0 41	13 56	1 42	21 17	1 53	2 36	0 35	18 55	0 35	15 7	1 42	20 43	0 33	21 38	1 18	6 7	17 2	8 29	9 6	9 54	4 4	2 5
F 7	13 4	10 22	0n22	13 12	1 37	21 16	1 49	2 17	0 34	18 56	0 35	15 9	1 42	20 42	0 33	21 38	1 18	6 8	17 2	8 29	9 5	9 57	4 5	2 5
S 8	12 43	15 27	1 25	12 26	1 31	21 14	1 45	1 59	0 33	18 57	0 35	15 11	1 42	20 42	0 33	21 38	1 18	6 9	17 3	8 29	9 3	10 1	4 6	2 5
S 9	12 23	19 58	2 24	11 38	1 25	21 12	1 41	1 40	0 32	18 59	0 34	15 12	1 42	20 41	0 33	21 38	1 18	6 9	17 3	8 29	9 2	10 4	4 7	2 5
M10	12 2	23 45	3 17	10 50	1 18	21 9	1 37	1 21	0 32	19 0	0 34	15 14	1 42	20 40	0 33	21 38	1 18	6 10	17 4	8 29	9 1	10 7	4 9	2 5
T 11	11 41	26 32	4 3	10 0	1 10	21 5	1 32	1 2	0 31	19 2	0 34	15 16	1 43	20 39	0 33	21 38	1 18	6 11	17 4	8 29	9 0	10 10	4 10	2 5
W12	11 19	28 7	4 38	9 9	1 2	21 1	1 28	0 44	0 30	19 3	0 34	15 17	1 43	20 39	0 33	21 38	1 18	6 11	17 5	8 28	8 59	10 14	4 11	2 5
T 13	10 58	28 14	5 0	8 17	0 53	20 57	1 24	0 25	0 30	19 5	0 33	15 19	1 43	20 38	0 34	21 38	1 18	6 12	17 5	8 26	8 58	10 17	4 12	2 4
F 14	10 36	26 45	5 8	7 25	0 44	20 52	1 20	0 6	0 29	19 6	0 33	15 21	1 43	20 37	0 34	21 38	1 18	6 13	17 6	8 23	8 56	10 20	4 13	2 4
S 15	10 15	23 39	4 58	6 32	0 34	20 46	1 15	0n13	0 28	19 8	0 33	15 22	1 43	20 37	0 34	21 38	1 18	6 13	17 6	8 20	8 55	10 23	4 14	2 4
S 16	9 53	19 6	4 30	5 38	0 23	20 39	1 11	0 31	0 28	19 10	0 33	15 24	1 43	20 36	0 34	21 38	1 18	6 14	17 7	8 17	8 54	10 27	4 15	2 4
M17	9 31	13 21	3 44	4 45	0 12	20 33	1 7	0 50	0 27	19 11	0 33	15 25	1 43	20 36	0 34	21 38	1 18	6 15	17 7	8 14	8 53	10 30	4 16	2 4
T 18	9 9	6 46	2 43	3 51	0 0	20 25	1 3	1 8	0 26	19 13	0 32	15 27	1 43	20 35	0 34	21 38	1 18	6 16	17 7	8 12	8 52	10 33	4 18	2 4
W19	8 46	0s14	1 30	2 58	0n12	20 17	0 59	1 27	0 25	19 15	0 32	15 29	1 43	20 34	0 34	21 38	1 18	6 16	17 8	8 11	8 50	10 36	4 19	2 4
T 20	8 24	7 12	0 11	2 5	0 25	20 8	0 54	1 46	0 25	19 16	0 32	15 30	1 43	20 34	0 34	21 38	1 18	6 17	17 8	8 11	8 49	10 40	4 20	2 4
F 21	8 1	13 45	1s 7	1 14	0 38	19 59	0 50	2 4	0 24	19 18	0 32	15 32	1 43	20 33	0 34	21 38	1 18	6 18	17 9	8 11	8 48	10 43	4 21	2 3
S 22	7 39	19 28	2 21	0 23	0 51	19 49	0 46	2 23	0 23	19 20	0 32	15 33	1 43	20 32	0 34	21 38	1 17	6 19	17 9	8 11	8 47	10 46	4 23	2 3
S 23	7 16	23 59	3 25	0n25	1 4	19 39	0 42	2 41	0 23	19 22	0 31	15 35	1 43	20 32	0 34	21 39	1 17	6 19	17 9	8 12	8 46	10 49	4 24	2 3
M24	6 53	27 1	4 15	1 13	1 17	19 28	0 38	2 59	0 22	19 24	0 31	15 36	1 43	20 31	0 34	21 39	1 17	6 20	17 10	8 12	8 44	10 52	4 25	2 3
T 25	6 30	28 22	4 50	1 57	1 31	19 17	0 34	3 18	0 21	19 26	0 31	15 38	1 43	20 31	0 34	21 39	1 17	6 21	17 10	8 12	8 43	10 56	4 26	2 3
W26	6 7	28 2	5 8	2 40	1 44	19 5	0 30	3 36	0 20	19 27	0 31	15 39	1 43	20 30	0 34	21 39	1 17	6 22	17 11	8 10	8 42	10 59	4 28	2 3
T 27	5 44	26 7	5 10	3 19	1 57	18 52	0 26	3 54	0 20	19 29	0 31	15 40	1 43	20 29	0 34	21 39	1 17	6 22	17 11	8 9	8 41	11 2	4 29	2 3
F 28	5s20	22s52	4s56	3n56	2n 9	18s39	0n22	4n12	0s19	19n31	0s30	15n42	1n43	20s29	0s34	21n39	1s17	6n23	17n11	8n 7	8n40	11n 5	4n30	2n 3

Julian Day Number = 2174729.5, Delta T = 12m00s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'16, Lahiri = 13°17'17 Julian Calendar 1 Feb. 1242 == Greg. Calendar 8 Feb. 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

MARCH 1242 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 28	17♓31'00	21♒33	5♈50	6♒33	12♈ 4	29♉ 7	22°R25	1♒27	17♊17	24°R43	20°R35	22♈ 6	27♈38	6♈39	S 1
S 2	11 6 25	18°30'36	4♓ 2	6°39	7°43	12°49	29°15	22♌21	1°30	17°17	24♎42	20♈30	22° 3	27°45	6°42	S 2
M 3	11 10 21	19°30'10	16°19	7°20	8°54	13°33	29°24	22°17	1°32	17°17	24°41	20°25	22° 0	27°52	6°46	M 3
T 4	11 14 18	20°29'42	28°26	7°53	10° 4	14°18	29°32	22°13	1°35	17°18	24°40	20°21	21°57	27°58	6°49	T 4
W 5	11 18 14	21°29'12	10♈24	8°19	11°15	15° 2	29°41	22° 9	1°38	17°18	24°38	20°19	21°53	28° 5	6°53	W 5
T 6	11 22 11	22°28'39	22°16	8°36	12°25	15°46	29°50	22° 6	1°40	17°19	24°37	20°D19	21°50	28°12	6°56	T 6
F 7	11 26 7	23°28'05	4♉ 4	8°46	13°36	16°31	29°59	22° 2	1°43	17°19	24°36	20°20	21°47	28°18	7° 0	F 7
S 8	11 30 4	24°27'28	15°50	8°R48	14°47	17°15	0♊ 8	21°58	1°45	17°20	24°34	20°21	21°44	28°25	7° 3	S 8
S 9	11 34 0	25°26'49	27°40	8°43	15°58	17°59	0°17	21°54	1°48	17°20	24°33	20°23	21°41	28°32	7° 7	S 9
M10	11 37 57	26°26'08	9♊38	8°30	17° 9	18°43	0°26	21°51	1°50	17°21	24°31	20°25	21°37	28°38	7°11	M10
T 11	11 41 53	27°25'24	21°48	8°11	18°20	19°27	0°36	21°47	1°52	17°22	24°30	20°R26	21°34	28°45	7°14	T 11
W12	11 45 50	28°24'38	4♋15	7°45	19°31	20°11	0°45	21°44	1°55	17°22	24°28	20°26	21°31	28°52	7°18	W12
T 13	11 49 47	29°23'50	17° 3	7°13	20°42	20°55	0°55	21°41	1°57	17°23	24°27	20°25	21°28	28°58	7°21	T 13
F 14	11 53 43	0♈23'00	0♌17	6°37	21°53	21°39	1° 5	21°38	1°59	17°24	24°25	20°23	21°25	29° 5	7°25	F 14
S 15	11 57 40	1°22'07	13°58	5°56	23° 4	22°23	1°15	21°34	2° 1	17°25	24°24	20°20	21°22	29°12	7°29	S 15
S 16	12 1 36	2°21'11	28° 6	5°13	24°15	23° 7	1°25	21°31	2° 3	17°25	24°22	20°18	21°18	29°18	7°32	S 16
M17	12 5 33	3°20'14	12♍38	4°26	25°26	23°51	1°35	21°28	2° 5	17°26	24°21	20°16	21°15	29°25	7°36	M17
T 18	12 9 29	4°19'14	27°30	3°39	26°37	24°35	1°45	21°25	2° 8	17°27	24°19	20°14	21°12	29°31	7°40	T 18
W19	12 13 26	5°18'12	12♎33	2°51	27°49	25°18	1°55	21°23	2°10	17°28	24°18	20°13	21° 9	29°38	7°43	W19
T 20	12 17 22	6°17'08	27°39	2° 3	29° 0	26° 2	2° 6	21°20	2°12	17°29	24°16	20°D13	21° 6	29°45	7°47	T 20
F 21	12 21 19	7°16'02	12♏39	1°17	0♓11	26°45	2°16	21°17	2°14	17°30	24°15	20°14	21° 3	29°51	7°51	F 21
S 22	12 25 16	8°14'54	27°25	0°33	1°23	27°29	2°27	21°15	2°15	17°31	24°13	20°15	20°59	29°58	7°54	S 22
S 23	12 29 12	9°13'45	11♐52	29♓52	2°34	28°13	2°38	21°12	2°17	17°32	24°11	20°16	20°56	0♉ 5	7°58	S 23
M24	12 33 9	10°12'34	25°57	29°14	3°46	28°56	2°48	21°10	2°19	17°33	24°10	20°16	20°53	0°11	8° 2	M24
T 25	12 37 5	11°11'21	9♑39	28°40	4°57	29°39	2°59	21° 8	2°21	17°34	24° 8	20°R17	20°50	0°18	8° 5	T 25
W26	12 41 2	12°10'07	22°58	28°11	6° 9	0♉23	3°10	21° 6	2°23	17°35	24° 6	20°16	20°47	0°25	8° 9	W26
T 27	12 44 58	13° 8'50	5♒57	27°47	7°21	1° 6	3°21	21° 4	2°24	17°36	24° 5	20°16	20°43	0°31	8°13	T 27
F 28	12 48 55	14° 7'32	18°37	27°27	8°32	1°49	3°32	21° 2	2°26	17°38	24° 3	20°15	20°40	0°38	8°16	F 28
S 29	12 52 51	15° 6'12	1♓ 3	27°13	9°44	2°33	3°44	21° 0	2°28	17°39	24° 1	20°14	20°37	0°45	8°20	S 29
S 30	12 56 48	16° 4'51	13°16	27° 4	10°56	3°16	3°55	20°58	2°29	17°40	24° 0	20°14	20°34	0°51	8°23	S 30
M31	13 0 45	17♈ 3'27	25♓20	27°D 0	12♓ 7	3♉59	4♊ 6	20♌56	2♒31	17♊41	23♎58	20♈13	20♈31	0♉58	8♈27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s57	18s35	4s27	4n29	2n21	18s26	0n18	4n31	0s18	19n33	0s30	15n43	1n43	20s28	0s34	21n39	1s17	6n24	17n12	8n 4	8n39	11n 9	4n31	2n 3
S 2	4 34	13 35	3 46	4 59	2 33	18 11	0 14	4 49	0 18	19 35	0 30	15 45	1 43	20 28	0 34	21 39	1 17	6 25	17 12	8 2	8 37	11 12	4 33	2 3
M 3	4 10	8 7	2 55	5 25	2 44	17 57	0 10	5 7	0 17	19 37	0 30	15 46	1 43	20 27	0 34	21 39	1 17	6 25	17 12	8 0	8 36	11 15	4 34	2 2
T 4	3 47	2 25	1 57	5 48	2 53	17 42	0 6	5 25	0 16	19 39	0 30	15 47	1 43	20 27	0 34	21 39	1 17	6 26	17 13	7 59	8 35	11 18	4 35	2 2
W 5	3 23	3n18	0 54	6 6	3 2	17 26	0 3	5 42	0 16	19 41	0 29	15 48	1 43	20 26	0 34	21 39	1 17	6 27	17 13	7 58	8 34	11 21	4 37	2 2
T 6	3 0	8 52	0n11	6 20	3 10	17 10	0s 1	6 0	0 15	19 43	0 29	15 50	1 43	20 25	0 34	21 39	1 17	6 28	17 13	7 58	8 33	11 25	4 38	2 2
F 7	2 36	14 6	1 15	6 30	3 16	16 53	0 5	6 18	0 14	19 46	0 29	15 51	1 43	20 25	0 34	21 40	1 17	6 28	17 14	7 59	8 31	11 28	4 39	2 2
S 8	2 13	18 49	2 16	6 35	3 22	16 36	0 8	6 36	0 14	19 48	0 29	15 52	1 43	20 24	0 34	21 40	1 17	6 29	17 14	7 59	8 30	11 31	4 41	2 2
S 9	1 49	22 50	3 11	6 37	3 25	16 19	0 12	6 53	0 13	19 50	0 29	15 53	1 43	20 24	0 34	21 40	1 17	6 30	17 14	8 0	8 29	11 34	4 42	2 2
M10	1 25	25 56	3 59	6 33	3 27	16 1	0 16	7 11	0 12	19 52	0 29	15 54	1 43	20 23	0 34	21 40	1 17	6 31	17 14	8 0	8 28	11 37	4 43	2 2
T 11	1 2	27 54	4 37	6 26	3 28	15 42	0 19	7 28	0 11	19 54	0 28	15 55	1 43	20 23	0 34	21 40	1 17	6 31	17 15	8 1	8 27	11 41	4 45	2 2
W12	0 38	28 31	5 3	6 15	3 27	15 23	0 22	7 45	0 11	19 56	0 28	15 57	1 43	20 22	0 34	21 40	1 17	6 32	17 15	8 1	8 25	11 44	4 46	2 2
T 13	0 14	27 39	5 15	6 0	3 24	15 4	0 26	8 3	0 10	19 58	0 28	15 58	1 43	20 22	0 34	21 40	1 16	6 33	17 15	8 0	8 24	11 47	4 47	2 2
F 14	0n 9	25 14	5 11	5 41	3 19	14 44	0 29	8 20	0 9	20 1	0 28	15 59	1 43	20 21	0 34	21 40	1 16	6 34	17 15	8 0	8 23	11 50	4 49	2 1
S 15	0 33	21 19	4 49	5 19	3 13	14 24	0 32	8 37	0 9	20 3	0 28	16 0	1 43	20 21	0 34	21 40	1 16	6 34	17 16	7 59	8 22	11 53	4 50	2 1
S 16	0 56	16 5	4 10	4 54	3 5	14 3	0 35	8 54	0 8	20 5	0 27	16 0	1 43	20 21	0 34	21 41	1 16	6 35	17 16	7 58	8 21	11 57	4 52	2 1
M17	1 20	9 49	3 13	4 27	2 56	13 42	0 39	9 11	0 7	20 7	0 27	16 1	1 43	20 20	0 34	21 41	1 16	6 36	17 16	7 57	8 19	12 0	4 53	2 1
T 18	1 43	2 52	2 3	3 58	2 45	13 21	0 42	9 27	0 7	20 9	0 27	16 2	1 43	20 20	0 34	21 41	1 16	6 37	17 16	7 56	8 18	12 3	4 54	2 1
W19	2 7	4s20	0 42	3 28	2 32	12 59	0 45	9 44	0 6	20 12	0 27	16 3	1 43	20 19	0 34	21 41	1 16	6 37	17 16	7 56	8 17	12 6	4 56	2 1
T 20	2 30	11 19	0s41	2 57	2 19	12 37	0 48	10 1	0 5	20 14	0 27	16 4	1 42	20 19	0 34	21 41	1 16	6 38	17 17	7 56	8 16	12 9	4 57	2 1
F 21	2 54	17 37	2 1	2 25	2 5	12 14	0 50	10 17	0 5	20 16	0 27	16 5	1 42	20 18	0 34	21 41	1 16	6 39	17 17	7 56	8 15	12 12	4 58	2 1
S 22	3 17	22 47	3 12	1 53	1 49	11 51	0 53	10 34	0 4	20 18	0 26	16 6	1 42	20 18	0 34	21 41	1 16	6 39	17 17	7 57	8 13	12 16	5 0	2 1
S 23	3 40	26 25	4 9	1 23	1 34	11 28	0 56	10 50	0 3	20 21	0 26	16 6	1 42	20 18	0 35	21 42	1 16	6 40	17 17	7 57	8 12	12 19	5 1	2 1
M24	4 4	28 18	4 49	0 53	1 18	11 5	0 59	11 6	0 3	20 23	0 26	16 7	1 42	20 17	0 35	21 42	1 16	6 41	17 17	7 57	8 11	12 22	5 3	2 1
T 25	4 27	28 22	5 12	0 24	1 1	10 41	1 1	11 22	0 2	20 25	0 26	16 8	1 42	20 17	0 35	21 42	1 16	6 41	17 17	7 57	8 10	12 25	5 4	2 1
W26	4 50	26 47	5 17	0s 2	0 45	10 17	1 4	11 38	0 1	20 27	0 26	16 8	1 42	20 16	0 35	21 42	1 16	6 42	17 17	7 57	8 9	12 28	5 5	2 1
T 27	5 13	23 48	5 6	0 27	0 29	9 52	1 6	11 54	0 1	20 30	0 26	16 9	1 42	20 16	0 35	21 42	1 16	6 43	17 17	7 57	8 7	12 31	5 7	2 1
F 28	5 36	19 44	4 39	0 49	0 13	9 28	1 8	12 9	0 0	20 32	0 26	16 9	1 42	20 16	0 35	21 42	1 16	6 43	17 18	7 57	8 6	12 35	5 8	2 1
S 29	5 58	14 53	4 1	1 9	0s 3	9 3	1 11	12 25	0n 1	20 34	0 25	16 10	1 42	20 15	0 35	21 42	1 16	6 44	17 18	7 57	8 5	12 38	5 10	2 0
S 30	6 21	9 32	3 11	1 27	0 18	8 37	1 13	12 40	0 1	20 37	0 25	16 10	1 42	20 15	0 35	21 43	1 16	6 45	17 18	7 56	8 4	12 41	5 11	2 0
M31	6n44	3s55	2s14	1s42	0s33	8s12	1s15	12n56	0n 2	20n39	0s25	16n11	1n42	20s15	0s35	21n43	1s16	6n45	17n18	7n56	8n 3	12n44	5n12	2n 0

Julian Day Number = 2174757.5, Delta T = 12m00s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'20, Lahiri = 13°17'21 Julian Calendar 1 March 1242 == Greg. Calendar 8 March 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

APRIL 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 41	18♈ 2'02	7♈16	27♓ 1	13♓19	4♉42	4♊18	20°R55	2♒32	17♊43	23°R56	20°R13	20♈28	1♉ 5	8♈31	T 1
W 2	13 8 38	19° 0'34	19° 7	27° 8	14°31	5°25	4°29	20♌53	2°33	17°44	23♎55	20°D13	20°24	1°11	8°34	W 2
T 3	13 12 34	19°59'05	0♉55	27°19	15°43	6° 8	4°41	20°52	2°35	17°45	23°53	20°R13	20°21	1°18	8°38	T 3
F 4	13 16 31	20°57'34	12°42	27°35	16°54	6°51	4°53	20°51	2°36	17°47	23°51	20♈13	20°18	1°24	8°42	F 4
S 5	13 20 27	21°56'01	24°31	27°56	18° 6	7°34	5° 4	20°50	2°37	17°48	23°50	20°13	20°15	1°31	8°45	S 5
S 6	13 24 24	22°54'26	6♊24	28°21	19°18	8°17	5°16	20°48	2°39	17°49	23°48	20°13	20°12	1°38	8°49	S 6
M 7	13 28 20	23°52'48	18°25	28°50	20°30	8°59	5°28	20°48	2°40	17°51	23°46	20°12	20° 8	1°44	8°52	M 7
T 8	13 32 17	24°51'09	0♋37	29°24	21°42	9°42	5°40	20°47	2°41	17°52	23°45	20°12	20° 5	1°51	8°56	T 8
W 9	13 36 14	25°49'28	13° 4	0♈ 1	22°54	10°25	5°52	20°46	2°42	17°54	23°43	20°11	20° 2	1°58	8°59	W 9
T 10	13 40 10	26°47'45	25°49	0°43	24° 6	11° 7	6° 4	20°45	2°43	17°55	23°41	20°D11	19°59	2° 4	9° 3	T 10
F 11	13 44 7	27°45'59	8♌57	1°28	25°18	11°50	6°17	20°45	2°44	17°57	23°40	20°11	19°56	2°11	9° 6	F 11
S 12	13 48 3	28°44'11	22°29	2°16	26°30	12°33	6°29	20°44	2°45	17°59	23°38	20°12	19°53	2°18	9°10	S 12
S 13	13 52 0	29°42'22	6♍27	3° 8	27°42	13°15	6°41	20°44	2°46	18° 0	23°36	20°13	19°49	2°24	9°13	S 13
M14	13 55 56	0♉40'30	20°52	4° 3	28°54	13°57	6°53	20°44	2°47	18° 2	23°34	20°14	19°46	2°31	9°17	M14
T 15	13 59 53	1°38'36	5♎38	5° 1	0♈ 6	14°40	7° 6	20°D44	2°47	18° 3	23°33	20°14	19°43	2°38	9°20	T 15
W16	14 3 49	2°36'40	20°42	6° 2	1°18	15°22	7°18	20°44	2°48	18° 5	23°31	20°R14	19°40	2°44	9°24	W16
T 17	14 7 46	3°34'43	5♏55	7° 6	2°30	16° 4	7°31	20°44	2°49	18° 7	23°29	20°14	19°37	2°51	9°27	T 17
F 18	14 11 42	4°32'44	21° 7	8°13	3°42	16°47	7°43	20°44	2°50	18° 9	23°28	20°13	19°34	2°58	9°31	F 18
S 19	14 15 39	5°30'44	6♐ 8	9°22	4°55	17°29	7°56	20°44	2°50	18°10	23°26	20°11	19°30	3° 4	9°34	S 19
S 20	14 19 36	6°28'42	20°51	10°34	6° 7	18°11	8° 9	20°45	2°51	18°12	23°24	20° 9	19°27	3°11	9°37	S 20
M21	14 23 32	7°26'39	5♑10	11°48	7°19	18°53	8°22	20°45	2°51	18°14	23°23	20° 7	19°24	3°17	9°41	M21
T 22	14 27 29	8°24'34	19° 2	13° 5	8°31	19°35	8°34	20°46	2°52	18°16	23°21	20° 6	19°21	3°24	9°44	T 22
W23	14 31 25	9°22'28	2♒26	14°24	9°43	20°17	8°47	20°47	2°52	18°17	23°20	20° 5	19°18	3°31	9°47	W23
T 24	14 35 22	10°20'21	15°25	15°46	10°56	20°59	9° 0	20°48	2°52	18°19	23°18	20°D 5	19°14	3°37	9°51	T 24
F 25	14 39 18	11°18'12	28° 2	17°10	12° 8	21°41	9°13	20°49	2°53	18°21	23°16	20° 6	19°11	3°44	9°54	F 25
S 26	14 43 15	12°16'02	10♓20	18°36	13°20	22°23	9°26	20°50	2°53	18°23	23°15	20° 7	19° 8	3°51	9°57	S 26
S 27	14 47 12	13°13'51	22°25	20° 5	14°32	23° 5	9°39	20°51	2°53	18°25	23°13	20° 9	19° 5	3°57	10° 0	S 27
M28	14 51 8	14°11'39	4♈21	21°36	15°45	23°47	9°52	20°52	2°53	18°27	23°12	20°10	19° 2	4° 4	10° 3	M28
T 29	14 55 5	15° 9'25	16°10	23° 9	16°57	24°28	10° 5	20°53	2°53	18°29	23°10	20°R11	18°59	4°11	10° 7	T 29
W30	14 59 1	16♉ 7'10	27♈57	24♈44	18♈ 9	25♉10	10♊18	20♌55	2°R53	18♊31	23♎ 9	20♈11	18♈55	4♉17	10♈10	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 6	1n48	1s11	1s54	0s47	7s46	1s17	13n11	0n 3	20n41	0s25	16n11	1n42	20s14	0s35	21n43	1s16	6n46	17n18	7n56	8n 1	12n47	5n14	2n 0
W 2	7 28	7 25	0 6	2 4	1 1	7 20	1 19	13 26	0 3	20 43	0 25	16 12	1 42	20 14	0 35	21 43	1 15	6 47	17 18	7 56	8 0	12 50	5 15	2 0
T 3	7 51	12 46	0n59	2 12	1 13	6 54	1 21	13 41	0 4	20 46	0 25	16 12	1 41	20 14	0 35	21 43	1 15	6 47	17 18	7 56	7 59	12 54	5 17	2 0
F 4	8 13	17 39	2 2	2 16	1 25	6 28	1 23	13 56	0 4	20 48	0 24	16 12	1 41	20 14	0 35	21 43	1 15	6 48	17 18	7 56	7 58	12 57	5 18	2 0
S 5	8 35	21 52	2 59	2 18	1 37	6 1	1 24	14 10	0 5	20 50	0 24	16 13	1 41	20 13	0 35	21 44	1 15	6 49	17 18	7 56	7 57	13 0	5 19	2 0
S 6	8 57	25 14	3 49	2 18	1 47	5 34	1 26	14 25	0 6	20 52	0 24	16 13	1 41	20 13	0 35	21 44	1 15	6 49	17 18	7 56	7 55	13 3	5 21	2 0
M 7	9 18	27 31	4 30	2 15	1 57	5 7	1 28	14 39	0 6	20 55	0 24	16 13	1 41	20 13	0 35	21 44	1 15	6 50	17 18	7 56	7 54	13 6	5 22	2 0
T 8	9 40	28 32	4 59	2 10	2 6	4 40	1 29	14 53	0 7	20 57	0 24	16 13	1 41	20 13	0 35	21 44	1 15	6 50	17 18	7 56	7 53	13 9	5 23	2 0
W 9	10 1	28 7	5 15	2 3	2 15	4 13	1 31	15 8	0 8	20 59	0 24	16 13	1 41	20 12	0 35	21 44	1 15	6 51	17 18	7 55	7 52	13 12	5 25	2 0
T 10	10 22	26 14	5 16	1 54	2 22	3 46	1 32	15 22	0 8	21 1	0 24	16 14	1 41	20 12	0 35	21 44	1 15	6 51	17 18	7 55	7 51	13 15	5 26	2 0
F 11	10 43	22 56	5 1	1 42	2 29	3 18	1 33	15 35	0 9	21 4	0 23	16 14	1 41	20 12	0 35	21 45	1 15	6 52	17 18	7 55	7 49	13 19	5 28	2 0
S 12	11 4	18 18	4 29	1 28	2 36	2 50	1 34	15 49	0 9	21 6	0 23	16 14	1 41	20 12	0 35	21 45	1 15	6 52	17 18	7 56	7 48	13 22	5 29	2 0
S 13	11 25	12 35	3 40	1 13	2 41	2 23	1 36	16 3	0 10	21 8	0 23	16 14	1 40	20 12	0 35	21 45	1 15	6 53	17 18	7 56	7 47	13 25	5 30	2 0
M14	11 45	6 2	2 36	0 55	2 46	1 55	1 37	16 16	0 11	21 10	0 23	16 14	1 40	20 12	0 35	21 45	1 15	6 54	17 18	7 56	7 46	13 28	5 32	2 0
T 15	12 6	1s 1	1 20	0 36	2 50	1 27	1 38	16 29	0 11	21 13	0 23	16 14	1 40	20 11	0 35	21 45	1 15	6 54	17 17	7 56	7 45	13 31	5 33	2 0
W16	12 26	8 9	0s 3	0 14	2 53	0 59	1 38	16 42	0 12	21 15	0 23	16 14	1 40	20 11	0 35	21 46	1 15	6 54	17 17	7 57	7 43	13 34	5 34	2 0
T 17	12 46	14 54	1 26	0n 8	2 56	0 31	1 39	16 55	0 13	21 17	0 23	16 13	1 40	20 11	0 35	21 46	1 15	6 55	17 17	7 56	7 42	13 37	5 36	2 0
F 18	13 5	20 44	2 43	0 33	2 58	0 3	1 40	17 8	0 13	21 19	0 22	16 13	1 40	20 11	0 35	21 46	1 15	6 55	17 17	7 56	7 41	13 40	5 37	2 0
S 19	13 25	25 10	3 48	0 59	2 59	0n25	1 40	17 20	0 14	21 21	0 22	16 13	1 40	20 11	0 35	21 46	1 15	6 56	17 17	7 55	7 40	13 43	5 38	2 0
S 20	13 44	27 49	4 36	1 27	3 0	0 53	1 41	17 33	0 14	21 24	0 22	16 13	1 40	20 11	0 35	21 46	1 15	6 56	17 17	7 55	7 39	13 47	5 40	2 0
M21	14 3	28 32	5 5	1 56	3 0	1 22	1 42	17 45	0 15	21 26	0 22	16 13	1 40	20 11	0 36	21 47	1 15	6 57	17 17	7 54	7 37	13 50	5 41	2 0
T 22	14 22	27 24	5 16	2 26	2 59	1 50	1 42	17 57	0 16	21 28	0 22	16 12	1 40	20 11	0 36	21 47	1 15	6 57	17 16	7 53	7 36	13 53	5 42	2 0
W23	14 41	24 42	5 9	2 58	2 58	2 18	1 42	18 9	0 16	21 30	0 22	16 12	1 39	20 11	0 36	21 47	1 15	6 58	17 16	7 53	7 35	13 56	5 43	2 0
T 24	14 59	20 50	4 46	3 32	2 56	2 46	1 42	18 21	0 17	21 32	0 22	16 12	1 39	20 11	0 36	21 47	1 15	6 58	17 16	7 53	7 34	13 59	5 45	2 0
F 25	15 17	16 6	4 10	4 6	2 53	3 14	1 43	18 32	0 17	21 34	0 22	16 11	1 39	20 11	0 36	21 47	1 15	6 58	17 16	7 53	7 33	14 2	5 46	2 0
S 26	15 35	10 51	3 22	4 42	2 50	3 43	1 43	18 44	0 18	21 36	0 21	16 11	1 39	20 11	0 36	21 48	1 15	6 59	17 16	7 54	7 31	14 5	5 47	2 0
S 27	15 53	5 16	2 27	5 18	2 47	4 11	1 43	18 55	0 19	21 38	0 21	16 10	1 39	20 11	0 36	21 48	1 15	6 59	17 15	7 54	7 30	14 8	5 49	2 0
M28	16 10	0n25	1 26	5 56	2 43	4 39	1 43	19 6	0 19	21 40	0 21	16 10	1 39	20 11	0 36	21 48	1 14	6 59	17 15	7 55	7 29	14 11	5 50	2 0
T 29	16 27	6 3	0 22	6 35	2 38	5 7	1 42	19 17	0 20	21 42	0 21	16 9	1 39	20 11	0 36	21 48	1 14	7 0	17 15	7 55	7 28	14 14	5 51	2 0
W30	16n44	11n27	0n43	7n15	2s33	5n35	1s42	19n28	0n20	21n44	0s21	16n 9	1n39	20s11	0s36	21n48	1s14	7n 0	17n15	7n55	7n27	14n17	5n52	2n 0

Julian Day Number = 2174788.5, Delta T = 12m00s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'24, Lahiri = 13°17'25 Julian Calendar 1 Apr. 1242 == Greg. Calendar 8 Apr. 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

MAY 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 58	17♉ 4'54	9♉44	26♈21	19♈22	25♉52	10♊31	20♌56	2°R53	18♊33	23°R 7	20°R 9	18♈52	4♉24	10♈13	T 1
F 2	15 6 54	18° 2'37	21°34	28° 1	20°34	26°33	10°45	20°58	2♒53	18°35	23♎ 6	20♈ 6	18°49	4°31	10°16	F 2
S 3	15 10 51	19° 0'18	3♊28	29°42	21°47	27°15	10°58	21° 0	2°53	18°37	23° 4	20° 2	18°46	4°37	10°19	S 3
S 4	15 14 47	19°57'58	15°29	1♉26	22°59	27°56	11°11	21° 2	2°53	18°39	23° 3	19°57	18°43	4°44	10°22	S 4
M 5	15 18 44	20°55'36	27°39	3°12	24°12	28°38	11°25	21° 4	2°53	18°41	23° 1	19°52	18°40	4°51	10°25	M 5
T 6	15 22 41	21°53'13	9♋59	5° 1	25°24	29°19	11°38	21° 6	2°53	18°43	23° 0	19°47	18°36	4°57	10°28	T 6
W 7	15 26 37	22°50'49	22°32	6°51	26°36	0♊ 1	11°51	21° 8	2°52	18°45	22°58	19°43	18°33	5° 4	10°31	W 7
T 8	15 30 34	23°48'23	5♌20	8°44	27°49	0°42	12° 5	21°10	2°52	18°47	22°57	19°40	18°30	5°11	10°34	T 8
F 9	15 34 30	24°45'56	18°25	10°38	29° 1	1°23	12°18	21°13	2°52	18°49	22°56	19°38	18°27	5°17	10°36	F 9
S 10	15 38 27	25°43'27	1♍51	12°35	0♉14	2° 5	12°32	21°15	2°51	18°51	22°54	19°D38	18°24	5°24	10°39	S 10
S 11	15 42 23	26°40'57	15°39	14°34	1°26	2°46	12°45	21°18	2°51	18°53	22°53	19°39	18°20	5°30	10°42	S 11
M12	15 46 20	27°38'25	29°49	16°34	2°39	3°27	12°59	21°20	2°50	18°55	22°52	19°41	18°17	5°37	10°45	M12
T 13	15 50 16	28°35'52	14♎22	18°37	3°51	4° 8	13°12	21°23	2°50	18°57	22°50	19°R42	18°14	5°44	10°47	T 13
W14	15 54 13	29°33'18	29°12	20°42	5° 4	4°49	13°26	21°26	2°49	18°59	22°49	19°42	18°11	5°50	10°50	W14
T 15	15 58 10	0♊30'43	14♏16	22°48	6°17	5°30	13°39	21°29	2°48	19° 1	22°48	19°40	18° 8	5°57	10°53	T 15
F 16	16 2 6	1°28'06	29°23	24°55	7°29	6°11	13°53	21°32	2°48	19° 4	22°46	19°36	18° 5	6° 4	10°55	F 16
S 17	16 6 3	2°25'29	14♐26	27° 4	8°42	6°52	14° 6	21°35	2°47	19° 6	22°45	19°30	18° 1	6°10	10°58	S 17
S 18	16 9 59	3°22'51	29°14	29°14	9°54	7°33	14°20	21°38	2°46	19° 8	22°44	19°24	17°58	6°17	11° 1	S 18
M19	16 13 56	4°20'12	13♑40	1♊25	11° 7	8°14	14°34	21°42	2°45	19°10	22°43	19°17	17°55	6°24	11° 3	M19
T 20	16 17 52	5°17'33	27°39	3°37	12°20	8°55	14°47	21°45	2°44	19°12	22°42	19°11	17°52	6°30	11° 5	T 20
W21	16 21 49	6°14'53	11♒ 9	5°48	13°32	9°35	15° 1	21°49	2°43	19°14	22°41	19° 7	17°49	6°37	11° 8	W21
T 22	16 25 45	7°12'12	24°12	8° 0	14°45	10°16	15°15	21°52	2°42	19°17	22°40	19° 4	17°46	6°44	11°10	T 22
F 23	16 29 42	8° 9'31	6♓51	10°12	15°58	10°57	15°28	21°56	2°41	19°19	22°39	19°D 3	17°42	6°50	11°13	F 23
S 24	16 33 39	9° 6'49	19° 9	12°24	17°11	11°37	15°42	21°59	2°40	19°21	22°37	19° 4	17°39	6°57	11°15	S 24
S 25	16 37 35	10° 4'07	1♈12	14°34	18°23	12°18	15°56	22° 3	2°39	19°23	22°36	19° 5	17°36	7° 4	11°17	S 25
M26	16 41 32	11° 1'24	13° 5	16°44	19°36	12°59	16° 9	22° 7	2°38	19°25	22°36	19°R 6	17°33	7°10	11°19	M26
T 27	16 45 28	11°58'41	24°52	18°53	20°49	13°39	16°23	22°11	2°37	19°28	22°35	19° 6	17°30	7°17	11°22	T 27
W28	16 49 25	12°55'58	6♉39	21° 0	22° 2	14°20	16°37	22°15	2°35	19°30	22°34	19° 4	17°26	7°24	11°24	W28
T 29	16 53 21	13°53'14	18°28	23° 5	23°15	15° 0	16°51	22°19	2°34	19°32	22°33	19° 0	17°23	7°30	11°26	T 29
F 30	16 57 18	14°50'30	0♊23	25° 9	24°27	15°41	17° 4	22°24	2°33	19°34	22°32	18°54	17°20	7°37	11°28	F 30
S 31	17 1 14	15♊47'45	12♊26	27♊11	25♉40	16♊21	17♊18	22♌28	2♒31	19♊37	22♎31	18♈45	17♈17	7♉44	11♈30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 0	16n27	1n45	7n56	2s27	6n 2	1s42	19n38	0n21	21n47	0s21	16n 8	1n39	20s11	0s36	21n48	1s14	7n 0	17n14	7n55	7n25	14n20	5n54	2n 0
F 2	17 17	20 52	2 44	8 37	2 20	6 30	1 42	19 49	0 21	21 49	0 21	16 7	1 39	20 11	0 36	21 49	1 14	7 1	17 14	7 54	7 24	14 23	5 55	2 0
S 3	17 33	24 28	3 35	9 20	2 14	6 58	1 41	19 59	0 22	21 50	0 21	16 7	1 38	20 11	0 36	21 49	1 14	7 1	17 14	7 52	7 23	14 26	5 56	2 0
S 4	17 48	27 1	4 18	10 3	2 6	7 25	1 41	20 9	0 23	21 52	0 21	16 6	1 38	20 11	0 36	21 49	1 14	7 1	17 14	7 50	7 22	14 30	5 57	2 0
M 5	18 4	28 20	4 49	10 47	1 59	7 52	1 40	20 19	0 23	21 54	0 20	16 5	1 38	20 11	0 36	21 49	1 14	7 1	17 13	7 48	7 20	14 33	5 58	2 0
T 6	18 19	28 16	5 8	11 31	1 50	8 19	1 39	20 28	0 24	21 56	0 20	16 4	1 38	20 11	0 36	21 49	1 14	7 2	17 13	7 46	7 19	14 36	5 59	2 0
W 7	18 34	26 46	5 12	12 15	1 42	8 46	1 39	20 38	0 24	21 58	0 20	16 4	1 38	20 11	0 36	21 50	1 14	7 2	17 13	7 45	7 18	14 39	6 1	2 0
T 8	18 48	23 52	5 1	13 0	1 33	9 13	1 38	20 47	0 25	22 0	0 20	16 3	1 38	20 11	0 36	21 50	1 14	7 2	17 12	7 43	7 17	14 42	6 2	2 0
F 9	19 2	19 42	4 34	13 46	1 23	9 40	1 37	20 56	0 25	22 2	0 20	16 2	1 38	20 11	0 36	21 50	1 14	7 2	17 12	7 43	7 16	14 45	6 3	2 0
S 10	19 16	14 28	3 52	14 31	1 13	10 6	1 36	21 5	0 26	22 4	0 20	16 1	1 38	20 11	0 36	21 50	1 14	7 2	17 12	7 43	7 14	14 48	6 4	2 0
S 11	19 30	8 22	2 55	15 16	1 3	10 32	1 35	21 14	0 26	22 6	0 20	16 0	1 38	20 12	0 36	21 50	1 14	7 2	17 11	7 43	7 13	14 51	6 5	2 0
M12	19 43	1 42	1 46	16 1	0 53	10 58	1 34	21 22	0 27	22 8	0 20	15 59	1 38	20 12	0 36	21 51	1 14	7 3	17 11	7 44	7 12	14 54	6 6	2 0
T 13	19 56	5s14	0 29	16 45	0 43	11 24	1 33	21 31	0 28	22 9	0 19	15 58	1 37	20 12	0 36	21 51	1 14	7 3	17 11	7 44	7 11	14 57	6 7	2 0
W14	20 8	12 2	0s52	17 29	0 32	11 50	1 32	21 39	0 28	22 11	0 19	15 57	1 37	20 12	0 36	21 51	1 14	7 3	17 10	7 44	7 10	15 0	6 8	2 0
T 15	20 21	18 15	2 9	18 12	0 21	12 15	1 30	21 47	0 29	22 13	0 19	15 56	1 37	20 12	0 36	21 51	1 14	7 3	17 10	7 43	7 8	15 3	6 9	2 0
F 16	20 32	23 20	3 19	18 54	0 11	12 40	1 29	21 55	0 29	22 15	0 19	15 55	1 37	20 12	0 36	21 51	1 14	7 3	17 9	7 42	7 7	15 6	6 10	2 0
S 17	20 44	26 49	4 13	19 35	0n 0	13 4	1 28	22 2	0 30	22 16	0 19	15 54	1 37	20 13	0 36	21 52	1 14	7 3	17 9	7 40	7 6	15 9	6 11	2 0
S 18	20 55	28 22	4 50	20 15	0 11	13 29	1 26	22 9	0 30	22 18	0 19	15 53	1 37	20 13	0 36	21 52	1 14	7 3	17 9	7 37	7 5	15 12	6 12	2 0
M19	21 6	27 56	5 7	20 53	0 21	13 53	1 25	22 17	0 31	22 20	0 19	15 52	1 37	20 13	0 36	21 52	1 14	7 3	17 8	7 35	7 3	15 15	6 13	2 0
T 20	21 16	25 42	5 6	21 29	0 31	14 17	1 23	22 24	0 31	22 21	0 19	15 50	1 37	20 13	0 37	21 52	1 14	7 3	17 8	7 33	7 2	15 18	6 14	2 0
W21	21 27	22 5	4 47	22 3	0 41	14 40	1 22	22 30	0 32	22 23	0 19	15 49	1 37	20 14	0 37	21 52	1 14	7 3	17 7	7 31	7 1	15 21	6 15	2 0
T 22	21 36	17 29	4 13	22 34	0 51	15 3	1 20	22 37	0 32	22 25	0 19	15 48	1 37	20 14	0 37	21 53	1 14	7 3	17 7	7 30	7 0	15 24	6 16	2 0
F 23	21 46	12 15	3 28	23 4	1 0	15 26	1 18	22 43	0 33	22 26	0 18	15 47	1 36	20 14	0 37	21 53	1 14	7 3	17 7	7 30	6 59	15 27	6 17	2 0
S 24	21 55	6 41	2 34	23 30	1 9	15 48	1 17	22 49	0 33	22 28	0 18	15 45	1 36	20 14	0 37	21 53	1 14	7 3	17 6	7 30	6 57	15 30	6 18	2 0
S 25	22 3	0 58	1 35	23 55	1 17	16 10	1 15	22 55	0 34	22 29	0 18	15 44	1 36	20 15	0 37	21 53	1 14	7 3	17 6	7 30	6 56	15 33	6 19	2 0
M26	22 11	4n41	0 32	24 16	1 24	16 32	1 13	23 1	0 34	22 31	0 18	15 43	1 36	20 15	0 37	21 53	1 14	7 3	17 5	7 30	6 55	15 36	6 20	2 0
T 27	22 19	10 9	0n31	24 35	1 31	16 53	1 11	23 7	0 35	22 32	0 18	15 41	1 36	20 15	0 37	21 54	1 14	7 3	17 5	7 30	6 54	15 39	6 21	2 0
W28	22 27	15 15	1 33	24 50	1 37	17 14	1 9	23 12	0 35	22 34	0 18	15 40	1 36	20 16	0 37	21 54	1 14	7 3	17 4	7 30	6 53	15 42	6 22	2 0
T 29	22 34	19 49	2 31	25 3	1 42	17 34	1 7	23 17	0 36	22 35	0 18	15 38	1 36	20 16	0 37	21 54	1 14	7 3	17 4	7 28	6 51	15 45	6 23	2 0
F 30	22 40	23 37	3 23	25 14	1 47	17 54	1 5	23 22	0 36	22 37	0 18	15 37	1 36	20 16	0 37	21 54	1 14	7 2	17 3	7 26	6 50	15 48	6 24	2 0
S 31	22n47	26n27	4n 6	25n21	1n51	18n14	1s 3	23n27	0n37	22n38	0s18	15n35	1n36	20s17	0s37	21n54	1s14	7n 2	17n 3	7n23	6n49	15n51	6n24	2n 0

Julian Day Number = 2174818.5, Delta T = 12m00s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'28, Lahiri = 13°17'29 Julian Calendar 1 May 1242 == Greg. Calendar 8 May 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

JUNE 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 11	16♊45'00	24♊39	29♊12	26♉53	17♊ 1	17♊32	22♌32	2°R30	19♊39	22°R30	18°R35	17♈14	7♉50	11♈32	S 1
M 2	17 9 8	17°42'14	7♋ 2	1♋10	28° 6	17°42	17°45	22°37	2♒29	19°41	22♎29	18♈25	17°11	7°57	11°34	M 2
T 3	17 13 4	18°39'28	19°36	3° 6	29°19	18°22	17°59	22°42	2°27	19°43	22°29	18°14	17° 7	8° 4	11°36	T 3
W 4	17 17 1	19°36'42	2♌23	5° 0	0♊32	19° 2	18°13	22°46	2°26	19°46	22°28	18° 5	17° 4	8°10	11°37	W 4
T 5	17 20 57	20°33'55	15°22	6°51	1°45	19°42	18°27	22°51	2°24	19°48	22°27	17°58	17° 1	8°17	11°39	T 5
F 6	17 24 54	21°31'07	28°34	8°41	2°58	20°23	18°40	22°56	2°22	19°50	22°27	17°54	16°58	8°23	11°41	F 6
S 7	17 28 50	22°28'18	12♍ 1	10°28	4°11	21° 3	18°54	23° 1	2°21	19°52	22°26	17°52	16°55	8°30	11°43	S 7
S 8	17 32 47	23°25'29	25°44	12°14	5°24	21°43	19° 8	23° 6	2°19	19°54	22°25	17°D51	16°52	8°37	11°44	S 8
M 9	17 36 43	24°22'40	9♎44	13°57	6°37	22°23	19°22	23°11	2°17	19°57	22°25	17°52	16°48	8°43	11°46	M 9
T 10	17 40 40	25°19'50	24° 0	15°37	7°50	23° 3	19°35	23°16	2°16	19°59	22°24	17°R52	16°45	8°50	11°47	T 10
W11	17 44 37	26°16'59	8♏32	17°16	9° 3	23°43	19°49	23°21	2°14	20° 1	22°24	17°50	16°42	8°57	11°49	W11
T 12	17 48 33	27°14'09	23°16	18°52	10°16	24°23	20° 3	23°26	2°12	20° 3	22°23	17°47	16°39	9° 3	11°50	T 12
F 13	17 52 30	28°11'18	8♐ 6	20°26	11°29	25° 3	20°16	23°31	2°10	20° 6	22°23	17°40	16°36	9°10	11°52	F 13
S 14	17 56 26	29° 8'27	22°54	21°58	12°42	25°42	20°30	23°37	2° 8	20° 8	22°22	17°32	16°32	9°17	11°53	S 14
S 15	18 0 23	0♋ 5'36	7♑32	23°27	13°55	26°22	20°43	23°42	2° 7	20°10	22°22	17°21	16°29	9°23	11°54	S 15
M16	18 4 19	1° 2'44	21°53	24°54	15° 9	27° 2	20°57	23°48	2° 5	20°12	22°22	17°11	16°26	9°30	11°55	M16
T 17	18 8 16	1°59'54	5♒50	26°19	16°22	27°42	21°11	23°53	2° 3	20°14	22°21	17° 1	16°23	9°37	11°57	T 17
W18	18 12 13	2°57'03	19°22	27°42	17°35	28°21	21°24	23°59	2° 1	20°17	22°21	16°53	16°20	9°43	11°58	W18
T 19	18 16 9	3°54'12	2♓27	29° 2	18°48	29° 1	21°38	24° 4	1°59	20°19	22°21	16°47	16°17	9°50	11°59	T 19
F 20	18 20 6	4°51'22	15° 7	0♌19	20° 1	29°41	21°51	24°10	1°57	20°21	22°21	16°43	16°13	9°57	12° 0	F 20
S 21	18 24 2	5°48'32	27°27	1°34	21°15	0♋20	22° 5	24°16	1°55	20°23	22°21	16°42	16°10	10° 3	12° 1	S 21
S 22	18 27 59	6°45'43	9♈30	2°47	22°28	1° 0	22°18	24°22	1°53	20°25	22°20	16°42	16° 7	10°10	12° 2	S 22
M23	18 31 55	7°42'54	21°24	3°57	23°41	1°40	22°32	24°28	1°50	20°28	22°20	16°42	16° 4	10°17	12° 3	M23
T 24	18 35 52	8°40'06	3♉12	5° 4	24°55	2°19	22°45	24°34	1°48	20°30	22°20	16°41	16° 1	10°23	12° 4	T 24
W25	18 39 48	9°37'18	15° 0	6° 8	26° 8	2°59	22°59	24°40	1°46	20°32	22°20	16°38	15°58	10°30	12° 4	W25
T 26	18 43 45	10°34'31	26°53	7°10	27°21	3°38	23°12	24°46	1°44	20°34	22°D20	16°33	15°54	10°37	12° 5	T 26
F 27	18 47 42	11°31'44	8♊55	8° 9	28°35	4°18	23°25	24°52	1°42	20°36	22°20	16°25	15°51	10°43	12° 6	F 27
S 28	18 51 38	12°28'58	21° 8	9° 4	29°48	4°57	23°39	24°58	1°40	20°38	22°20	16°15	15°48	10°50	12° 6	S 28
S 29	18 55 35	13°26'13	3♋34	9°57	1♋ 2	5°36	23°52	25° 4	1°37	20°40	22°20	16° 3	15°45	10°57	12° 7	S 29
M30	18 59 31	14♋23'28	16♋13	10♌46	2♋15	6♋16	24♊ 5	25♌11	1♒35	20♊42	22♎20	15♈50	15♈42	11♉ 3	12♈ 7	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	28n 4	4n38	25n26	1n54	18n33	1s 1	23n31	0n37	22n40	0s18	15n34	1n36	20s17	0s37	21n55	1s14	7n 2	17n 2	7n19	6n48	15n54	6n25	2n 0
M 2	22 58	28 19	4 58	25 28	1 56	18 52	0 59	23 36	0 38	22 41	0 17	15 32	1 36	20 17	0 37	21 55	1 14	7 2	17 2	7 15	6 46	15 57	6 26	2 0
T 3	23 3	27 7	5 4	25 28	1 58	19 10	0 57	23 40	0 38	22 42	0 17	15 31	1 36	20 18	0 37	21 55	1 14	7 2	17 1	7 11	6 45	16 0	6 27	2 0
W 4	23 8	24 30	4 55	25 26	1 59	19 27	0 55	23 44	0 39	22 44	0 17	15 29	1 35	20 18	0 37	21 55	1 14	7 2	17 1	7 7	6 44	16 3	6 27	2 0
T 5	23 12	20 36	4 30	25 21	1 59	19 44	0 53	23 47	0 39	22 45	0 17	15 28	1 35	20 18	0 37	21 55	1 14	7 1	17 0	7 5	6 43	16 6	6 28	2 0
F 6	23 16	15 38	3 51	25 14	1 59	20 1	0 50	23 51	0 40	22 46	0 17	15 26	1 35	20 19	0 37	21 55	1 14	7 1	17 0	7 3	6 42	16 9	6 29	2 0
S 7	23 19	9 50	2 59	25 5	1 58	20 17	0 48	23 54	0 40	22 48	0 17	15 24	1 35	20 19	0 37	21 56	1 14	7 1	16 59	7 2	6 40	16 12	6 30	2 0
S 8	23 23	3 28	1 55	24 54	1 56	20 32	0 46	23 57	0 41	22 49	0 17	15 22	1 35	20 20	0 37	21 56	1 14	7 0	16 59	7 2	6 39	16 14	6 30	2 0
M 9	23 25	3s12	0 43	24 41	1 53	20 47	0 44	24 0	0 41	22 50	0 17	15 21	1 35	20 20	0 37	21 56	1 14	7 0	16 58	7 2	6 38	16 17	6 31	2 0
T 10	23 27	9 51	0s33	24 27	1 50	21 2	0 41	24 3	0 42	22 51	0 17	15 19	1 35	20 20	0 37	21 56	1 14	7 0	16 58	7 2	6 37	16 20	6 32	2 0
W11	23 29	16 6	1 48	24 11	1 47	21 16	0 39	24 5	0 42	22 52	0 17	15 17	1 35	20 21	0 37	21 56	1 14	7 0	16 57	7 2	6 35	16 23	6 32	2 0
T 12	23 31	21 31	2 56	23 54	1 42	21 29	0 36	24 8	0 43	22 53	0 16	15 15	1 35	20 21	0 37	21 56	1 14	6 59	16 57	7 0	6 34	16 26	6 33	2 0
F 13	23 32	25 35	3 54	23 35	1 37	21 41	0 34	24 10	0 43	22 55	0 16	15 14	1 35	20 22	0 37	21 57	1 14	6 59	16 56	6 58	6 33	16 29	6 33	2 1
S 14	23 32	27 55	4 35	23 15	1 32	21 54	0 32	24 12	0 43	22 56	0 16	15 12	1 35	20 22	0 37	21 57	1 14	6 58	16 55	6 54	6 32	16 32	6 34	2 1
S 15	23 32	28 16	4 57	22 54	1 26	22 5	0 29	24 13	0 44	22 57	0 16	15 10	1 35	20 23	0 37	21 57	1 14	6 58	16 55	6 51	6 31	16 35	6 34	2 1
M16	23 32	26 42	5 1	22 32	1 19	22 16	0 27	24 15	0 44	22 58	0 16	15 8	1 35	20 23	0 37	21 57	1 14	6 58	16 54	6 46	6 29	16 38	6 35	2 1
T 17	23 31	23 30	4 46	22 9	1 12	22 26	0 24	24 16	0 45	22 59	0 16	15 6	1 35	20 24	0 37	21 57	1 14	6 57	16 54	6 43	6 28	16 41	6 35	2 1
W18	23 30	19 7	4 15	21 46	1 4	22 36	0 22	24 17	0 45	23 0	0 16	15 4	1 35	20 24	0 37	21 57	1 14	6 57	16 53	6 40	6 27	16 44	6 36	2 1
T 19	23 29	13 56	3 32	21 21	0 56	22 45	0 19	24 18	0 46	23 1	0 16	15 2	1 34	20 25	0 37	21 58	1 14	6 56	16 53	6 37	6 26	16 47	6 36	2 1
F 20	23 27	8 20	2 39	20 56	0 47	22 53	0 17	24 19	0 46	23 2	0 16	15 0	1 34	20 25	0 37	21 58	1 14	6 56	16 52	6 36	6 24	16 49	6 37	2 1
S 21	23 25	2 33	1 40	20 31	0 38	23 1	0 14	24 19	0 47	23 2	0 16	14 58	1 34	20 26	0 37	21 58	1 14	6 55	16 51	6 35	6 23	16 52	6 37	2 1
S 22	23 22	3n12	0 38	20 5	0 29	23 8	0 12	24 19	0 47	23 3	0 16	14 56	1 34	20 26	0 37	21 58	1 14	6 55	16 51	6 35	6 22	16 55	6 38	2 1
M23	23 19	8 46	0n25	19 39	0 19	23 14	0 9	24 19	0 47	23 4	0 16	14 54	1 34	20 26	0 37	21 58	1 14	6 55	16 50	6 35	6 21	16 58	6 38	2 1
T 24	23 15	13 59	1 26	19 13	0 8	23 19	0 7	24 19	0 48	23 5	0 15	14 52	1 34	20 27	0 37	21 58	1 14	6 54	16 50	6 35	6 19	17 1	6 38	2 1
W25	23 11	18 42	2 24	18 47	0s 2	23 24	0 5	24 19	0 48	23 6	0 15	14 50	1 34	20 27	0 37	21 58	1 14	6 53	16 49	6 34	6 18	17 4	6 39	2 1
T 26	23 7	22 43	3 16	18 20	0 14	23 29	0 2	24 18	0 49	23 7	0 15	14 48	1 34	20 28	0 37	21 59	1 14	6 53	16 49	6 32	6 17	17 7	6 39	2 1
F 27	23 2	25 49	3 59	17 54	0 25	23 32	0n 0	24 17	0 49	23 7	0 15	14 46	1 34	20 28	0 38	21 59	1 14	6 52	16 48	6 29	6 16	17 10	6 39	2 1
S 28	22 57	27 46	4 32	17 28	0 37	23 35	0 3	24 16	0 50	23 8	0 15	14 44	1 34	20 29	0 38	21 59	1 14	6 52	16 47	6 25	6 15	17 13	6 40	2 1
S 29	22 52	28 22	4 53	17 2	0 49	23 37	0 5	24 15	0 50	23 9	0 15	14 42	1 34	20 30	0 38	21 59	1 14	6 51	16 47	6 20	6 13	17 15	6 40	2 1
M30	22n46	27n31	5n 0	16n37	1s 2	23n39	0n 8	24n14	0n50	23n10	0s15	14n39	1n34	20s30	0s38	21n59	1s14	6n51	16n46	6n15	6n12	17n18	6n40	2n 1

Julian Day Number = 2174849.5, Delta T = 11m59s
Ecliptic obliquity = 23°32'23, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'33, Lahiri = 13°17'33 Julian Calendar 1 June 1242 == Greg. Calendar 8 June 1242

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1242
geocentric

JULY 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 28	15♋20'43	29♋ 6	11♌32	3♋29	6♋55	24♊18	25♌17	1°R33	20♊44	22♎21	15°R37	15♈38	11♉10	12♈ 8	T 1
W 2	19 7 24	16°17'59	12♌13	12°14	4°42	7°34	24°32	25°23	1♒31	20°47	22°21	15♈26	15°35	11°17	12° 8	W 2
T 3	19 11 21	17°15'16	25°30	12°52	5°56	8°13	24°45	25°30	1°28	20°49	22°21	15°17	15°32	11°23	12° 9	T 3
F 4	19 15 17	18°12'32	8♍59	13°27	7° 9	8°53	24°58	25°36	1°26	20°51	22°21	15°11	15°29	11°30	12° 9	F 4
S 5	19 19 14	19° 9'49	22°37	13°57	8°23	9°32	25°11	25°43	1°24	20°53	22°22	15° 7	15°26	11°37	12° 9	S 5
S 6	19 23 11	20° 7'07	6♎26	14°23	9°37	10°11	25°24	25°49	1°21	20°55	22°22	15° 6	15°23	11°43	12° 9	S 6
M 7	19 27 7	21° 4'24	20°23	14°45	10°50	10°50	25°37	25°56	1°19	20°57	22°22	15° 6	15°19	11°50	12° 9	M 7
T 8	19 31 4	22° 1'43	4♏31	15° 2	12° 4	11°29	25°50	26° 3	1°17	20°59	22°23	15° 6	15°16	11°57	12°10	T 8
W 9	19 35 0	22°59'01	18°47	15°15	13°18	12° 8	26° 3	26° 9	1°14	21° 1	22°23	15° 4	15°13	12° 3	12°R10	W 9
T 10	19 38 57	23°56'21	3♐10	15°22	14°31	12°47	26°16	26°16	1°12	21° 3	22°24	15° 0	15°10	12°10	12°10	T 10
F 11	19 42 53	24°53'41	17°36	15°R25	15°45	13°26	26°29	26°23	1°10	21° 5	22°24	14°53	15° 7	12°17	12° 9	F 11
S 12	19 46 50	25°51'01	2♑ 0	15°22	16°59	14° 5	26°41	26°30	1° 7	21° 6	22°25	14°44	15° 4	12°23	12° 9	S 12
S 13	19 50 47	26°48'22	16°16	15°15	18°13	14°44	26°54	26°37	1° 5	21° 8	22°25	14°33	15° 0	12°30	12° 9	S 13
M14	19 54 43	27°45'44	0♒19	15° 2	19°26	15°23	27° 7	26°44	1° 2	21°10	22°26	14°22	14°57	12°37	12° 9	M14
T 15	19 58 40	28°43'07	14° 3	14°44	20°40	16° 2	27°19	26°51	1° 0	21°12	22°27	14°11	14°54	12°43	12° 9	T 15
W16	20 2 36	29°40'31	27°26	14°21	21°54	16°41	27°32	26°58	0°58	21°14	22°27	14° 2	14°51	12°50	12° 8	W16
T 17	20 6 33	0♌37'56	10♓26	13°53	23° 8	17°20	27°44	27° 5	0°55	21°16	22°28	13°56	14°48	12°57	12° 8	T 17
F 18	20 10 29	1°35'22	23° 5	13°21	24°22	17°58	27°57	27°12	0°53	21°18	22°29	13°52	14°44	13° 3	12° 7	F 18
S 19	20 14 26	2°32'50	5♈24	12°44	25°36	18°37	28° 9	27°19	0°50	21°19	22°29	13°50	14°41	13°10	12° 7	S 19
S 20	20 18 22	3°30'18	17°28	12° 4	26°50	19°16	28°22	27°26	0°48	21°21	22°30	13°D50	14°38	13°17	12° 6	S 20
M21	20 22 19	4°27'49	29°23	11°20	28° 4	19°55	28°34	27°33	0°46	21°23	22°31	13°R50	14°35	13°23	12° 6	M21
T 22	20 26 15	5°25'20	11♉12	10°34	29°18	20°33	28°46	27°40	0°43	21°25	22°32	13°50	14°32	13°30	12° 5	T 22
W23	20 30 12	6°22'53	23° 2	9°46	0♌32	21°12	28°58	27°47	0°41	21°26	22°33	13°49	14°29	13°37	12° 4	W23
T 24	20 34 9	7°20'27	4♊58	8°57	1°46	21°51	29°10	27°54	0°38	21°28	22°34	13°45	14°25	13°43	12° 3	T 24
F 25	20 38 5	8°18'03	17° 5	8° 8	3° 0	22°29	29°22	28° 2	0°36	21°30	22°35	13°39	14°22	13°50	12° 3	F 25
S 26	20 42 2	9°15'41	29°25	7°20	4°14	23° 8	29°34	28° 9	0°34	21°31	22°36	13°31	14°19	13°57	12° 2	S 26
S 27	20 45 58	10°13'20	12♋ 1	6°34	5°28	23°47	29°46	28°16	0°31	21°33	22°37	13°22	14°16	14° 3	12° 1	S 27
M28	20 49 55	11°11'00	24°56	5°51	6°42	24°25	29°58	28°24	0°29	21°35	22°38	13°11	14°13	14°10	12° 0	M28
T 29	20 53 51	12° 8'41	8♌ 8	5°11	7°56	25° 4	0♋10	28°31	0°27	21°36	22°39	13° 0	14°10	14°17	11°59	T 29
W30	20 57 48	13° 6'24	21°36	4°36	9°11	25°42	0°22	28°38	0°24	21°38	22°40	12°51	14° 6	14°23	11°58	W30
T 31	21 1 45	14♌ 4'08	5♍17	4♌ 6	10♌25	26♋21	0♋33	28♌46	0♒22	21♊39	22♎41	12♈44	14♈ 3	14♉30	11♈57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n39	25n11	4n52	16n12	1s14	23n40	0n10	24n12	0n51	23n10	0s15	14n37	1n34	20s31	0s38	21n59	1s14	6n50	16n46	6n10	6n11	17n21	6n40	2n 1
W 2	22 32	21 30	4 28	15 48	1 27	23 40	0 13	24 11	0 51	23 11	0 15	14 35	1 34	20 31	0 38	21 59	1 14	6 49	16 45	6 6	6 10	17 24	6 41	2 1
T 3	22 25	16 41	3 50	15 25	1 41	23 39	0 15	24 9	0 52	23 11	0 15	14 33	1 34	20 32	0 38	22 0	1 14	6 49	16 44	6 2	6 8	17 27	6 41	2 1
F 4	22 18	10 59	2 58	15 2	1 54	23 38	0 17	24 6	0 52	23 12	0 15	14 31	1 34	20 32	0 38	22 0	1 14	6 48	16 44	6 0	6 7	17 30	6 41	2 1
S 5	22 10	4 43	1 56	14 41	2 7	23 36	0 20	24 4	0 53	23 13	0 14	14 28	1 34	20 33	0 38	22 0	1 14	6 47	16 43	5 59	6 6	17 33	6 41	2 1
S 6	22 2	1s52	0 46	14 20	2 21	23 33	0 22	24 2	0 53	23 13	0 14	14 26	1 34	20 33	0 38	22 0	1 14	6 47	16 43	5 58	6 5	17 35	6 41	2 2
M 7	21 53	8 26	0s28	14 1	2 34	23 30	0 24	23 59	0 53	23 14	0 14	14 24	1 34	20 34	0 38	22 0	1 14	6 46	16 42	5 58	6 4	17 38	6 41	2 2
T 8	21 44	14 40	1 41	13 43	2 48	23 26	0 27	23 56	0 54	23 14	0 14	14 22	1 34	20 34	0 38	22 0	1 14	6 45	16 42	5 58	6 2	17 41	6 41	2 2
W 9	21 34	20 10	2 48	13 27	3 1	23 21	0 29	23 53	0 54	23 15	0 14	14 19	1 34	20 35	0 38	22 0	1 14	6 45	16 41	5 58	6 1	17 44	6 41	2 2
T 10	21 25	24 33	3 45	13 12	3 14	23 16	0 31	23 50	0 55	23 15	0 14	14 17	1 34	20 35	0 38	22 0	1 14	6 44	16 40	5 56	6 0	17 47	6 41	2 2
F 11	21 14	27 24	4 28	12 59	3 27	23 10	0 33	23 46	0 55	23 16	0 14	14 15	1 34	20 36	0 38	22 1	1 14	6 43	16 40	5 53	5 59	17 49	6 41	2 2
S 12	21 4	28 25	4 54	12 48	3 39	23 3	0 36	23 42	0 55	23 16	0 14	14 12	1 34	20 36	0 38	22 1	1 14	6 43	16 39	5 50	5 57	17 52	6 41	2 2
S 13	20 53	27 31	5 1	12 39	3 51	22 55	0 38	23 39	0 56	23 16	0 14	14 10	1 34	20 37	0 38	22 1	1 14	6 42	16 39	5 46	5 56	17 55	6 41	2 2
M14	20 42	24 53	4 50	12 33	4 2	22 47	0 40	23 35	0 56	23 17	0 14	14 7	1 34	20 37	0 38	22 1	1 14	6 41	16 38	5 41	5 55	17 58	6 41	2 2
T 15	20 30	20 51	4 22	12 28	4 12	22 38	0 42	23 30	0 56	23 17	0 14	14 5	1 34	20 38	0 38	22 1	1 14	6 40	16 37	5 37	5 54	18 1	6 41	2 2
W16	20 18	15 51	3 40	12 26	4 21	22 28	0 44	23 26	0 57	23 17	0 14	14 3	1 34	20 39	0 38	22 1	1 14	6 40	16 37	5 34	5 52	18 3	6 41	2 2
T 17	20 6	10 16	2 47	12 25	4 30	22 18	0 46	23 21	0 57	23 18	0 13	14 0	1 34	20 39	0 38	22 1	1 14	6 39	16 36	5 31	5 51	18 6	6 41	2 2
F 18	19 53	4 25	1 48	12 28	4 37	22 7	0 48	23 17	0 58	23 18	0 13	13 58	1 34	20 40	0 38	22 1	1 14	6 38	16 36	5 30	5 50	18 9	6 41	2 2
S 19	19 40	1n28	0 45	12 33	4 42	21 56	0 50	23 12	0 58	23 18	0 13	13 55	1 34	20 40	0 38	22 1	1 14	6 37	16 35	5 29	5 49	18 12	6 41	2 2
S 20	19 27	7 11	0n19	12 40	4 46	21 44	0 52	23 7	0 58	23 19	0 13	13 53	1 34	20 41	0 38	22 2	1 14	6 36	16 35	5 29	5 48	18 15	6 41	2 2
M21	19 14	12 34	1 22	12 49	4 49	21 31	0 54	23 1	0 59	23 19	0 13	13 50	1 34	20 41	0 38	22 2	1 14	6 35	16 34	5 29	5 46	18 17	6 40	2 2
T 22	19 0	17 28	2 20	13 1	4 50	21 17	0 56	22 56	0 59	23 19	0 13	13 48	1 34	20 42	0 38	22 2	1 14	6 35	16 33	5 29	5 45	18 20	6 40	2 2
W23	18 45	21 43	3 13	13 14	4 49	21 3	0 57	22 50	0 59	23 19	0 13	13 45	1 34	20 42	0 38	22 2	1 14	6 34	16 33	5 28	5 44	18 23	6 40	2 2
T 24	18 31	25 6	3 57	13 30	4 46	20 49	0 59	22 45	1 0	23 19	0 13	13 43	1 34	20 43	0 38	22 2	1 14	6 33	16 32	5 27	5 43	18 26	6 40	2 2
F 25	18 16	27 25	4 32	13 47	4 41	20 33	1 1	22 39	1 0	23 19	0 13	13 40	1 34	20 43	0 38	22 2	1 14	6 32	16 32	5 25	5 41	18 28	6 39	2 2
S 26	18 1	28 27	4 55	14 5	4 35	20 17	1 2	22 33	1 1	23 20	0 13	13 38	1 34	20 44	0 38	22 2	1 14	6 31	16 31	5 22	5 40	18 31	6 39	2 2
S 27	17 45	28 2	5 3	14 25	4 26	20 1	1 4	22 26	1 1	23 20	0 13	13 35	1 34	20 44	0 38	22 2	1 14	6 30	16 31	5 18	5 39	18 34	6 39	2 2
M28	17 30	26 6	4 57	14 45	4 16	19 44	1 5	22 20	1 1	23 20	0 13	13 33	1 34	20 45	0 38	22 2	1 14	6 29	16 30	5 14	5 38	18 37	6 38	2 2
T 29	17 14	22 44	4 35	15 6	4 5	19 26	1 7	22 13	1 2	23 20	0 13	13 30	1 34	20 45	0 38	22 2	1 14	6 29	16 30	5 9	5 36	18 39	6 38	2 2
W30	16 57	18 7	3 58	15 27	3 52	19 8	1 8	22 6	1 2	23 20	0 12	13 28	1 34	20 46	0 38	22 2	1 14	6 28	16 29	5 6	5 35	18 42	6 37	2 2
T 31	16n41	12n29	3n 6	15n48	3s37	18n49	1n10	22n 0	1n 2	23n20	0s12	13n25	1n34	20s46	0s38	22n 2	1s14	6n27	16n28	5n 3	5n34	18n45	6n37	2n 2

Julian Day Number = 2174879.5, Delta T = 11m59s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'37, Lahiri = 13°17'37 Julian Calendar 1 July 1242 == Greg. Calendar 8 July 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

AUGUST 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 5 41	15♌ 1'54	19♍ 9	3°R42	11♌39	26♋59	0♋45	28♌53	0°R20	21♊41	22♎42	12°R39	14♈ 0	14♉37	11°R55	F 1
S 2	21 9 38	15°59'40	3♎ 9	3♌25	12°53	27°37	0°56	29° 0	0♒17	21°42	22°44	12♈37	13°57	14°43	11♈54	S 2
S 3	21 13 34	16°57'28	17°14	3°14	14° 8	28°16	1° 8	29° 8	0°15	21°44	22°45	12°D37	13°54	14°50	11°53	S 3
M 4	21 17 31	17°55'17	1♏21	3°D11	15°22	28°54	1°19	29°15	0°13	21°45	22°46	12°38	13°50	14°56	11°51	M 4
T 5	21 21 27	18°53'08	15°30	3°16	16°36	29°33	1°30	29°23	0°11	21°46	22°48	12°R38	13°47	15° 3	11°50	T 5
W 6	21 25 24	19°50'59	29°39	3°28	17°51	0♌11	1°41	29°30	0° 8	21°48	22°49	12°38	13°44	15°10	11°49	W 6
T 7	21 29 20	20°48'52	13♐47	3°49	19° 5	0°49	1°52	29°38	0° 6	21°49	22°50	12°36	13°41	15°16	11°47	T 7
F 8	21 33 17	21°46'46	27°52	4°17	20°19	1°27	2° 3	29°45	0° 4	21°51	22°52	12°31	13°38	15°23	11°46	F 8
S 9	21 37 14	22°44'42	11♑50	4°53	21°34	2° 6	2°14	29°53	0° 2	21°52	22°53	12°25	13°35	15°30	11°44	S 9
S 10	21 41 10	23°42'39	25°40	5°37	22°48	2°44	2°25	0♍ 0	29♑59	21°53	22°55	12°18	13°31	15°37	11°42	S 10
M11	21 45 7	24°40'37	9♒17	6°29	24° 2	3°22	2°36	0° 8	29°58	21°54	22°56	12°10	13°28	15°43	11°41	M11
T 12	21 49 3	25°38'37	22°40	7°27	25°17	4° 0	2°47	0°15	29°56	21°56	22°58	12° 2	13°25	15°50	11°39	T 12
W13	21 53 0	26°36'38	5♓45	8°33	26°31	4°38	2°57	0°23	29°53	21°57	22°59	11°56	13°22	15°57	11°37	W13
T 14	21 56 56	27°34'41	18°33	9°45	27°46	5°17	3° 7	0°30	29°51	21°58	23° 1	11°51	13°19	16° 3	11°36	T 14
F 15	22 0 53	28°32'46	1♈ 4	11° 3	29° 0	5°55	3°18	0°38	29°49	21°59	23° 2	11°49	13°16	16°10	11°34	F 15
S 16	22 4 49	29°30'53	13°19	12°26	0♍15	6°33	3°28	0°45	29°47	22° 0	23° 4	11°D48	13°12	16°17	11°32	S 16
S 17	22 8 46	0♍29'02	25°22	13°55	1°29	7°11	3°38	0°53	29°45	22° 1	23° 6	11°49	13° 9	16°23	11°30	S 17
M18	22 12 42	1°27'12	7♉16	15°28	2°44	7°49	3°48	1° 0	29°44	22° 2	23° 7	11°51	13° 6	16°30	11°28	M18
T 19	22 16 39	2°25'25	19° 5	17° 6	3°58	8°27	3°58	1° 8	29°42	22° 3	23° 9	11°52	13° 3	16°37	11°26	T 19
W20	22 20 36	3°23'40	0♊56	18°47	5°13	9° 5	4° 8	1°16	29°40	22° 4	23°11	11°R53	13° 0	16°43	11°24	W20
T 21	22 24 32	4°21'57	12°52	20°31	6°27	9°43	4°18	1°23	29°38	22° 5	23°12	11°53	12°56	16°50	11°22	T 21
F 22	22 28 29	5°20'16	25° 0	22°17	7°42	10°21	4°27	1°31	29°36	22° 6	23°14	11°51	12°53	16°57	11°20	F 22
S 23	22 32 25	6°18'37	7♋22	24° 6	8°57	10°59	4°37	1°38	29°34	22° 7	23°16	11°47	12°50	17° 3	11°18	S 23
S 24	22 36 22	7°17'01	20° 4	25°56	10°11	11°37	4°46	1°46	29°33	22° 8	23°18	11°43	12°47	17°10	11°15	S 24
M25	22 40 18	8°15'26	3♌ 7	27°48	11°26	12°15	4°56	1°53	29°31	22° 9	23°20	11°37	12°44	17°17	11°13	M25
T 26	22 44 15	9°13'53	16°31	29°40	12°40	12°52	5° 5	2° 1	29°29	22° 9	23°21	11°32	12°41	17°23	11°11	T 26
W27	22 48 12	10°12'23	0♍17	1♍33	13°55	13°30	5°14	2° 8	29°28	22°10	23°23	11°27	12°37	17°30	11° 9	W27
T 28	22 52 8	11°10'54	14°20	3°26	15°10	14° 8	5°23	2°16	29°26	22°11	23°25	11°24	12°34	17°37	11° 6	T 28
F 29	22 56 5	12° 9'27	28°38	5°20	16°25	14°46	5°32	2°23	29°24	22°12	23°27	11°22	12°31	17°43	11° 4	F 29
S 30	23 0 1	13° 8'02	13♎ 4	7°13	17°39	15°24	5°40	2°31	29°23	22°12	23°29	11°D21	12°28	17°50	11° 2	S 30
S 31	23 3 58	14♍ 6'39	27♎33	9♍ 6	18♍54	16♌ 1	5♋49	2♍38	29♑21	22♊13	23♎31	11♈22	12♈25	17♉57	10♈59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n24	6n11	2n 2	16n 8	3s22	18n30	1n11	21n52	1n 3	23n20	0s12	13n23	1n34	20s47	0s38	22n 3	1s14	6n26	16n28	5n 1	5n33	18n48	6n37	2n 2
S 2	16 7	0s29	0 51	16 28	3 6	18 10	1 12	21 45	1 3	23 20	0 12	13 20	1 34	20 47	0 38	22 3	1 14	6 25	16 27	5 0	5 31	18 50	6 36	2 3
S 3	15 49	7 10	0s25	16 47	2 49	17 50	1 13	21 38	1 3	23 20	0 12	13 17	1 34	20 48	0 38	22 3	1 14	6 24	16 27	5 0	5 30	18 53	6 36	2 3
M 4	15 31	13 32	1 39	17 4	2 31	17 29	1 15	21 30	1 4	23 20	0 12	13 15	1 34	20 48	0 38	22 3	1 14	6 23	16 26	5 1	5 29	18 56	6 35	2 3
T 5	15 14	19 13	2 47	17 20	2 14	17 8	1 16	21 23	1 4	23 20	0 12	13 12	1 34	20 49	0 38	22 3	1 14	6 22	16 26	5 1	5 28	18 59	6 35	2 3
W 6	14 55	23 49	3 45	17 35	1 56	16 46	1 17	21 15	1 4	23 20	0 12	13 10	1 34	20 49	0 38	22 3	1 14	6 21	16 25	5 1	5 26	19 1	6 34	2 3
T 7	14 37	27 0	4 29	17 48	1 38	16 24	1 18	21 7	1 5	23 20	0 12	13 7	1 34	20 50	0 38	22 3	1 14	6 20	16 25	5 0	5 25	19 4	6 34	2 3
F 8	14 18	28 28	4 57	17 58	1 20	16 1	1 19	20 59	1 5	23 20	0 12	13 4	1 34	20 50	0 38	22 3	1 14	6 19	16 24	4 58	5 24	19 7	6 33	2 3
S 9	13 59	28 6	5 7	18 6	1 3	15 38	1 19	20 50	1 5	23 20	0 12	13 2	1 34	20 51	0 38	22 3	1 14	6 18	16 24	4 56	5 23	19 9	6 32	2 3
S 10	13 40	25 59	4 59	18 12	0 46	15 14	1 20	20 42	1 6	23 20	0 12	12 59	1 34	20 51	0 38	22 3	1 15	6 17	16 23	4 53	5 22	19 12	6 32	2 3
M11	13 21	22 24	4 34	18 15	0 30	14 50	1 21	20 33	1 6	23 19	0 11	12 56	1 34	20 51	0 38	22 3	1 15	6 16	16 23	4 50	5 20	19 15	6 31	2 3
T 12	13 2	17 42	3 54	18 15	0 14	14 26	1 22	20 25	1 6	23 19	0 11	12 54	1 34	20 52	0 38	22 3	1 15	6 15	16 22	4 47	5 19	19 17	6 30	2 3
W13	12 42	12 16	3 2	18 13	0n 1	14 1	1 22	20 16	1 7	23 19	0 11	12 51	1 34	20 52	0 38	22 3	1 15	6 14	16 22	4 44	5 18	19 20	6 30	2 3
T 14	12 22	6 25	2 3	18 7	0 15	13 36	1 23	20 7	1 7	23 19	0 11	12 49	1 34	20 53	0 38	22 3	1 15	6 13	16 21	4 42	5 17	19 23	6 29	2 3
F 15	12 2	0 28	0 58	17 59	0 28	13 10	1 23	19 58	1 7	23 19	0 11	12 46	1 34	20 53	0 38	22 3	1 15	6 12	16 21	4 41	5 15	19 25	6 28	2 3
S 16	11 41	5n24	0n 8	17 47	0 40	12 44	1 24	19 48	1 8	23 19	0 11	12 43	1 34	20 54	0 38	22 3	1 15	6 11	16 20	4 41	5 14	19 28	6 28	2 3
S 17	11 21	10 59	1 13	17 32	0 51	12 18	1 24	19 39	1 8	23 18	0 11	12 41	1 35	20 54	0 38	22 3	1 15	6 10	16 20	4 42	5 13	19 31	6 27	2 3
M18	11 0	16 6	2 14	17 15	1 1	11 51	1 24	19 29	1 8	23 18	0 11	12 38	1 35	20 54	0 38	22 3	1 15	6 9	16 19	4 42	5 12	19 33	6 26	2 3
T 19	10 39	20 35	3 9	16 54	1 11	11 24	1 24	19 20	1 9	23 18	0 11	12 35	1 35	20 55	0 38	22 3	1 15	6 8	16 19	4 43	5 10	19 36	6 25	2 3
W20	10 18	24 16	3 56	16 30	1 19	10 57	1 25	19 10	1 9	23 18	0 11	12 33	1 35	20 55	0 38	22 3	1 15	6 7	16 19	4 43	5 9	19 39	6 25	2 3
T 21	9 57	26 57	4 33	16 4	1 26	10 29	1 25	19 0	1 9	23 18	0 11	12 30	1 35	20 56	0 38	22 3	1 15	6 6	16 18	4 43	5 8	19 41	6 24	2 3
F 22	9 36	28 25	4 58	15 35	1 32	10 2	1 25	18 50	1 9	23 17	0 11	12 27	1 35	20 56	0 38	22 3	1 15	6 5	16 18	4 42	5 7	19 44	6 23	2 3
S 23	9 14	28 30	5 11	15 4	1 37	9 34	1 25	18 40	1 10	23 17	0 10	12 25	1 35	20 56	0 38	22 3	1 15	6 4	16 17	4 41	5 5	19 47	6 22	2 3
S 24	8 52	27 7	5 8	14 31	1 41	9 5	1 25	18 30	1 10	23 17	0 10	12 22	1 35	20 57	0 38	22 4	1 15	6 3	16 17	4 39	5 4	19 49	6 21	2 3
M25	8 30	24 15	4 50	13 55	1 44	8 36	1 24	18 19	1 10	23 17	0 10	12 20	1 35	20 57	0 38	22 4	1 15	6 2	16 16	4 37	5 3	19 52	6 20	2 3
T 26	8 9	20 1	4 16	13 18	1 47	8 8	1 24	18 9	1 11	23 16	0 10	12 17	1 35	20 57	0 38	22 4	1 15	6 1	16 16	4 35	5 2	19 54	6 19	2 3
W27	7 46	14 38	3 26	12 39	1 48	7 38	1 24	17 58	1 11	23 16	0 10	12 14	1 35	20 58	0 37	22 4	1 15	6 0	16 16	4 33	5 0	19 57	6 18	2 3
T 28	7 24	8 23	2 23	11 59	1 49	7 9	1 24	17 48	1 11	23 16	0 10	12 12	1 35	20 58	0 37	22 4	1 15	5 59	16 15	4 32	4 59	20 0	6 18	2 3
F 29	7 2	1 36	1 9	11 17	1 49	6 40	1 23	17 37	1 12	23 15	0 10	12 9	1 35	20 58	0 37	22 4	1 15	5 58	16 15	4 31	4 58	20 2	6 17	2 3
S 30	6 39	5s19	0s 9	10 34	1 48	6 10	1 23	17 26	1 12	23 15	0 10	12 6	1 36	20 59	0 37	22 4	1 15	5 57	16 15	4 31	4 57	20 5	6 16	2 3
S 31	6n17	12s 1	1s28	9n51	1n47	5n40	1n22	17n15	1n12	23n15	0s10	12n 4	1n36	20s59	0s37	22n 4	1s15	5n56	16n14	4n31	4n55	20n 7	6n15	2n 3

Julian Day Number = 2174910.5, Delta T = 11m59s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'41, Lahiri = 13°17'42 Julian Calendar 1 Aug. 1242 == Greg. Calendar 8 Aug. 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

SEPTEMBER 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 7 54	15♍ 5'18	12♏ 1	10♍58	20♍ 9	16♌39	5♋57	2♍46	29°R20	22♊13	23♎33	11♈23	12♈21	18♉ 3	10°R57	M 1
T 2	23 11 51	16° 3'58	26°24	12°50	21°23	17°17	6° 6	2°53	29♑18	22°14	23°35	11°25	12°18	18°10	10♈54	T 2
W 3	23 15 47	17° 2'40	10♐37	14°41	22°38	17°55	6°14	3° 0	29°17	22°15	23°37	11°R26	12°15	18°17	10°52	W 3
T 4	23 19 44	18° 1'24	24°41	16°32	23°53	18°32	6°22	3° 8	29°16	22°15	23°39	11°26	12°12	18°23	10°49	T 4
F 5	23 23 40	19° 0'10	8♑32	18°21	25° 8	19°10	6°30	3°15	29°15	22°16	23°41	11°24	12° 9	18°30	10°47	F 5
S 6	23 27 37	19°58'57	22°11	20°10	26°22	19°47	6°38	3°22	29°13	22°16	23°43	11°22	12° 6	18°37	10°44	S 6
S 7	23 31 34	20°57'46	5♒37	21°58	27°37	20°25	6°45	3°30	29°12	22°16	23°46	11°20	12° 2	18°43	10°42	S 7
M 8	23 35 30	21°56'37	18°49	23°45	28°52	21° 3	6°53	3°37	29°11	22°17	23°48	11°17	11°59	18°50	10°39	M 8
T 9	23 39 27	22°55'30	1♓47	25°31	0♎ 7	21°40	7° 0	3°44	29°10	22°17	23°50	11°14	11°56	18°57	10°36	T 9
W10	23 43 23	23°54'25	14°32	27°17	1°21	22°18	7° 7	3°52	29° 9	22°17	23°52	11°12	11°53	19° 3	10°34	W10
T 11	23 47 20	24°53'21	27° 3	29° 1	2°36	22°55	7°14	3°59	29° 8	22°18	23°54	11°10	11°50	19°10	10°31	T 11
F 12	23 51 16	25°52'20	9♈22	0♎44	3°51	23°33	7°21	4° 6	29° 7	22°18	23°56	11°D10	11°47	19°17	10°28	F 12
S 13	23 55 13	26°51'21	21°29	2°27	5° 6	24°10	7°28	4°13	29° 6	22°18	23°59	11°10	11°43	19°23	10°26	S 13
S 14	23 59 9	27°50'24	3♉27	4° 9	6°21	24°48	7°35	4°20	29° 5	22°18	24° 1	11°11	11°40	19°30	10°23	S 14
M15	0 3 6	28°49'29	15°19	5°49	7°35	25°25	7°41	4°27	29° 4	22°18	24° 3	11°12	11°37	19°37	10°20	M15
T 16	0 7 3	29°48'36	27° 9	7°29	8°50	26° 2	7°48	4°35	29° 3	22°18	24° 5	11°13	11°34	19°43	10°17	T 16
W17	0 10 59	0♎47'46	8♊59	9° 8	10° 5	26°40	7°54	4°42	29° 2	22°19	24° 8	11°14	11°31	19°50	10°15	W17
T 18	0 14 56	1°46'58	20°54	10°47	11°20	27°17	8° 0	4°49	29° 2	22°R19	24°10	11°15	11°27	19°57	10°12	T 18
F 19	0 18 52	2°46'13	3♋ 0	12°24	12°35	27°55	8° 6	4°56	29° 1	22°19	24°12	11°R15	11°24	20° 3	10° 9	F 19
S 20	0 22 49	3°45'30	15°20	14° 1	13°50	28°32	8°11	5° 3	29° 0	22°18	24°14	11°15	11°21	20°10	10° 6	S 20
S 21	0 26 45	4°44'49	28° 0	15°37	15° 4	29° 9	8°17	5° 9	29° 0	22°18	24°17	11°15	11°18	20°17	10° 3	S 21
M22	0 30 42	5°44'11	11♌ 1	17°13	16°19	29°46	8°22	5°16	28°59	22°18	24°19	11°14	11°15	20°23	10° 1	M22
T 23	0 34 38	6°43'35	24°28	18°47	17°34	0♍24	8°27	5°23	28°59	22°18	24°21	11°13	11°12	20°30	9°58	T 23
W24	0 38 35	7°43'01	8♍20	20°21	18°49	1° 1	8°32	5°30	28°59	22°18	24°24	11°13	11° 8	20°37	9°55	W24
T 25	0 42 32	8°42'29	22°36	21°54	20° 4	1°38	8°37	5°37	28°58	22°18	24°26	11°13	11° 5	20°43	9°52	T 25
F 26	0 46 28	9°42'00	7♎12	23°27	21°19	2°15	8°42	5°43	28°58	22°18	24°28	11°D13	11° 2	20°50	9°49	F 26
S 27	0 50 25	10°41'32	22° 1	24°58	22°34	2°53	8°47	5°50	28°58	22°17	24°31	11°R13	10°59	20°57	9°46	S 27
S 28	0 54 21	11°41'07	6♏57	26°30	23°49	3°30	8°51	5°57	28°57	22°17	24°33	11°13	10°56	21° 3	9°44	S 28
M29	0 58 18	12°40'44	21°50	28° 0	25° 3	4° 7	8°55	6° 3	28°57	22°17	24°36	11°12	10°53	21°10	9°41	M29
T 30	1 2 14	13♎40'22	6♐35	29♎30	26♎18	4♍44	8♋59	6♍10	28♑57	22♊16	24♎38	11♈12	10♈49	21♉17	9♈38	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n54	18s 3	2s41	9n 6	1n45	5n10	1n21	17n 4	1n12	23n15	0s10	12n 1	1n36	20s59	0s37	22n 4	1s15	5n55	16n14	4n31	4n54	20n10	6n14	2n 3
T 2	5 31	23 2	3 43	8 21	1 43	4 40	1 21	16 52	1 13	23 14	0 10	11 59	1 36	20 59	0 37	22 4	1 15	5 54	16 13	4 32	4 53	20 13	6 13	2 3
W 3	5 8	26 36	4 31	7 35	1 40	4 10	1 20	16 41	1 13	23 14	0 10	11 56	1 36	21 0	0 37	22 4	1 15	5 53	16 13	4 32	4 52	20 15	6 12	2 3
T 4	4 45	28 27	5 1	6 49	1 37	3 39	1 19	16 30	1 13	23 14	0 9	11 53	1 36	21 0	0 37	22 4	1 15	5 52	16 13	4 32	4 50	20 18	6 11	2 3
F 5	4 22	28 29	5 14	6 3	1 33	3 9	1 18	16 18	1 14	23 13	0 9	11 51	1 36	21 0	0 37	22 4	1 15	5 51	16 12	4 32	4 49	20 20	6 10	2 3
S 6	3 59	26 47	5 9	5 16	1 29	2 38	1 17	16 7	1 14	23 13	0 9	11 48	1 36	21 0	0 37	22 4	1 15	5 50	16 12	4 31	4 48	20 23	6 9	2 3
S 7	3 36	23 35	4 47	4 29	1 24	2 7	1 16	15 55	1 14	23 13	0 9	11 46	1 36	21 1	0 37	22 4	1 15	5 48	16 12	4 30	4 47	20 25	6 8	2 2
M 8	3 13	19 12	4 10	3 42	1 19	1 36	1 15	15 43	1 14	23 13	0 9	11 43	1 36	21 1	0 37	22 4	1 15	5 47	16 11	4 29	4 46	20 28	6 6	2 2
T 9	2 49	14 0	3 21	2 55	1 14	1 5	1 14	15 31	1 15	23 12	0 9	11 41	1 37	21 1	0 37	22 4	1 15	5 46	16 11	4 28	4 44	20 31	6 5	2 2
W10	2 26	8 18	2 22	2 8	1 9	0 35	1 13	15 19	1 15	23 12	0 9	11 38	1 37	21 1	0 37	22 3	1 16	5 45	16 11	4 27	4 43	20 33	6 4	2 2
T 11	2 2	2 22	1 17	1 21	1 3	0 4	1 12	15 7	1 15	23 12	0 9	11 35	1 37	21 2	0 37	22 3	1 16	5 44	16 11	4 26	4 42	20 36	6 3	2 2
F 12	1 39	3n34	0 10	0 35	0 57	0s27	1 11	14 55	1 15	23 11	0 9	11 33	1 37	21 2	0 37	22 3	1 16	5 43	16 10	4 26	4 41	20 38	6 2	2 2
S 13	1 15	9 17	0n57	0s12	0 51	0 58	1 9	14 43	1 16	23 11	0 9	11 30	1 37	21 2	0 37	22 3	1 16	5 42	16 10	4 26	4 39	20 41	6 1	2 2
S 14	0 52	14 36	2 0	0 58	0 45	1 29	1 8	14 30	1 16	23 11	0 9	11 28	1 37	21 2	0 37	22 3	1 16	5 41	16 10	4 27	4 38	20 43	6 0	2 2
M15	0 28	19 20	2 58	1 44	0 39	2 0	1 6	14 18	1 16	23 10	0 8	11 25	1 37	21 2	0 37	22 3	1 16	5 40	16 10	4 27	4 37	20 46	5 59	2 2
T 16	0 5	23 18	3 48	2 30	0 32	2 31	1 5	14 5	1 16	23 10	0 8	11 23	1 37	21 2	0 37	22 3	1 16	5 39	16 9	4 28	4 36	20 48	5 58	2 2
W17	0s19	26 18	4 28	3 15	0 26	3 2	1 3	13 53	1 17	23 10	0 8	11 20	1 37	21 2	0 37	22 3	1 16	5 38	16 9	4 28	4 34	20 51	5 57	2 2
T 18	0 43	28 10	4 58	4 0	0 19	3 33	1 2	13 40	1 17	23 10	0 8	11 18	1 38	21 3	0 37	22 3	1 16	5 37	16 9	4 28	4 33	20 53	5 55	2 2
F 19	1 6	28 44	5 14	4 44	0 12	4 4	1 0	13 27	1 17	23 9	0 8	11 16	1 38	21 3	0 37	22 3	1 16	5 36	16 9	4 28	4 32	20 56	5 54	2 2
S 20	1 30	27 53	5 16	5 28	0 5	4 35	0 58	13 15	1 18	23 9	0 8	11 13	1 38	21 3	0 37	22 3	1 16	5 35	16 8	4 28	4 31	20 58	5 53	2 2
S 21	1 54	25 36	5 4	6 12	0s 2	5 5	0 57	13 2	1 18	23 9	0 8	11 11	1 38	21 3	0 37	22 3	1 16	5 34	16 8	4 28	4 29	21 1	5 52	2 2
M22	2 17	21 57	4 36	6 55	0 9	5 36	0 55	12 49	1 18	23 9	0 8	11 8	1 38	21 3	0 37	22 3	1 16	5 33	16 8	4 28	4 28	21 3	5 51	2 2
T 23	2 41	17 3	3 51	7 38	0 16	6 6	0 53	12 36	1 18	23 8	0 8	11 6	1 38	21 3	0 37	22 3	1 16	5 32	16 8	4 27	4 27	21 6	5 50	2 2
W24	3 4	11 9	2 53	8 20	0 23	6 37	0 51	12 23	1 18	23 8	0 8	11 4	1 38	21 3	0 37	22 3	1 16	5 31	16 8	4 27	4 26	21 8	5 48	2 2
T 25	3 28	4 30	1 42	9 1	0 30	7 7	0 49	12 10	1 19	23 8	0 8	11 1	1 39	21 3	0 37	22 3	1 16	5 30	16 7	4 27	4 24	21 11	5 47	2 2
F 26	3 52	2s32	0 22	9 42	0 36	7 37	0 47	11 57	1 19	23 8	0 7	10 59	1 39	21 3	0 37	22 3	1 16	5 29	16 7	4 27	4 23	21 13	5 46	2 1
S 27	4 15	9 32	1s 0	10 23	0 43	8 7	0 45	11 43	1 19	23 8	0 7	10 56	1 39	21 3	0 37	22 3	1 16	5 28	16 7	4 27	4 22	21 15	5 45	2 1
S 28	4 38	16 4	2 18	11 3	0 50	8 37	0 43	11 30	1 19	23 7	0 7	10 54	1 39	21 3	0 37	22 3	1 16	5 27	16 7	4 27	4 21	21 18	5 44	2 1
M29	5 2	21 38	3 27	11 42	0 57	9 6	0 41	11 17	1 20	23 7	0 7	10 52	1 39	21 3	0 37	22 3	1 16	5 26	16 7	4 27	4 19	21 20	5 42	2 1
T 30	5s25	25s47	4s21	12s20	1s 4	9s35	0n39	11n 3	1n20	23n 7	0s 7	10n50	1n39	21s 3	0s37	22n 3	1s16	5n25	16n 7	4n27	4n18	21n23	5n41	2n 1

Julian Day Number = 2174941.5, Delta T = 11m59s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'45, Lahiri = 13°17'46 Julian Calendar 1 Sept. 1242 == Greg. Calendar 8 Sept. 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

OCTOBER 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 6 11	14♎40'02	21♐ 4	0♏59	27♎33	5♍21	9♋ 3	6♍16	28°R57	22°R16	24♎40	11°R12	10♈46	21♉23	9°R35	W 1
T 2	1 10 7	15°39'45	5♑15	2°27	28°48	5°58	9° 7	6°23	28°D57	22♊15	24°43	11♈12	10°43	21°30	9♈32	T 2
F 3	1 14 4	16°39'28	19° 5	3°55	0♏ 3	6°35	9°10	6°29	28♑57	22°15	24°45	11°D12	10°40	21°37	9°30	F 3
S 4	1 18 1	17°39'14	2♒35	5°22	1°18	7°12	9°13	6°35	28°57	22°14	24°48	11°12	10°37	21°44	9°27	S 4
S 5	1 21 57	18°39'01	15°45	6°49	2°33	7°49	9°16	6°42	28°57	22°14	24°50	11°12	10°33	21°50	9°24	S 5
M 6	1 25 54	19°38'50	28°39	8°14	3°48	8°26	9°19	6°48	28°57	22°13	24°52	11°13	10°30	21°57	9°21	M 6
T 7	1 29 50	20°38'40	11♓17	9°39	5° 2	9° 3	9°22	6°54	28°58	22°13	24°55	11°14	10°27	22° 4	9°19	T 7
W 8	1 33 47	21°38'33	23°42	11° 3	6°17	9°40	9°24	7° 0	28°58	22°12	24°57	11°15	10°24	22°10	9°16	W 8
T 9	1 37 43	22°38'27	5♈57	12°26	7°32	10°17	9°27	7° 6	28°58	22°11	25° 0	11°R15	10°21	22°17	9°13	T 9
F 10	1 41 40	23°38'23	18° 2	13°49	8°47	10°53	9°29	7°12	28°59	22°11	25° 2	11°15	10°18	22°24	9°10	F 10
S 11	1 45 36	24°38'21	0♉ 1	15°10	10° 2	11°30	9°31	7°18	28°59	22°10	25° 5	11°15	10°14	22°30	9° 8	S 11
S 12	1 49 33	25°38'21	11°55	16°30	11°17	12° 7	9°33	7°24	29° 0	22° 9	25° 7	11°13	10°11	22°37	9° 5	S 12
M13	1 53 30	26°38'23	23°45	17°50	12°32	12°44	9°34	7°30	29° 0	22° 8	25° 9	11°11	10° 8	22°44	9° 2	M13
T 14	1 57 26	27°38'27	5♊34	19° 8	13°46	13°21	9°36	7°36	29° 1	22° 8	25°12	11° 8	10° 5	22°50	9° 0	T 14
W15	2 1 23	28°38'34	17°26	20°25	15° 1	13°57	9°37	7°41	29° 1	22° 7	25°14	11° 6	10° 2	22°57	8°57	W15
T 16	2 5 19	29°38'42	29°22	21°40	16°16	14°34	9°38	7°47	29° 2	22° 6	25°17	11° 3	9°58	23° 4	8°54	T 16
F 17	2 9 16	0♏38'52	11♋26	22°54	17°31	15°11	9°39	7°52	29° 3	22° 5	25°19	11° 1	9°55	23°10	8°52	F 17
S 18	2 13 12	1°39'05	23°43	24° 6	18°46	15°47	9°39	7°58	29° 4	22° 4	25°22	11° 0	9°52	23°17	8°49	S 18
S 19	2 17 9	2°39'19	6♌17	25°16	20° 1	16°24	9°39	8° 3	29° 5	22° 3	25°24	11°D 0	9°49	23°24	8°47	S 19
M20	2 21 5	3°39'36	19°12	26°24	21°16	17° 0	9°R40	8° 9	29° 5	22° 2	25°26	11° 0	9°46	23°30	8°44	M20
T 21	2 25 2	4°39'54	2♍31	27°30	22°30	17°37	9°40	8°14	29° 6	22° 1	25°29	11° 2	9°43	23°37	8°42	T 21
W22	2 28 59	5°40'15	16°17	28°33	23°45	18°14	9°39	8°19	29° 7	22° 0	25°31	11° 3	9°39	23°44	8°39	W22
T 23	2 32 55	6°40'38	0♎30	29°32	25° 0	18°50	9°39	8°24	29° 8	21°59	25°34	11° 4	9°36	23°50	8°37	T 23
F 24	2 36 52	7°41'02	15° 9	0♐29	26°15	19°26	9°38	8°29	29°10	21°58	25°36	11°R 5	9°33	23°57	8°35	F 24
S 25	2 40 48	8°41'28	0♏ 8	1°21	27°30	20° 3	9°38	8°34	29°11	21°57	25°38	11° 4	9°30	24° 4	8°32	S 25
S 26	2 44 45	9°41'56	15°20	2°10	28°45	20°39	9°37	8°39	29°12	21°56	25°41	11° 1	9°27	24°10	8°30	S 26
M27	2 48 41	10°42'26	0♐34	2°53	29°59	21°16	9°35	8°44	29°13	21°55	25°43	10°57	9°24	24°17	8°28	M27
T 28	2 52 38	11°42'58	15°40	3°31	1♐14	21°52	9°34	8°49	29°15	21°53	25°46	10°53	9°20	24°24	8°25	T 28
W29	2 56 34	12°43'31	0♑30	4° 3	2°29	22°28	9°32	8°53	29°16	21°52	25°48	10°48	9°17	24°31	8°23	W29
T 30	3 0 31	13°44'05	14°56	4°28	3°44	23° 5	9°30	8°58	29°17	21°51	25°50	10°44	9°14	24°37	8°21	T 30
F 31	3 4 28	14♏44'40	28♑56	4♐45	4♐59	23♍41	9♋28	9♍ 2	29♑19	21♊50	25♎53	10♈42	9♈11	24♉44	8♈19	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s48	28s12	4s58	12s58	1s11	10s 4	0n37	10n50	1n20	23n 7	0s 7	10n47	1n40	21s 3	0s37	22n 3	1s16	5n24	16n 7	4n27	4n17	21n25	5n40	2n 1
T 2	6 11	28 42	5 16	13 35	1 17	10 33	0 35	10 36	1 20	23 7	0 7	10 45	1 40	21 3	0 37	22 3	1 16	5 23	16 6	4 27	4 16	21 28	5 39	2 1
F 3	6 34	27 22	5 14	14 11	1 24	11 2	0 32	10 23	1 21	23 7	0 7	10 43	1 40	21 3	0 37	22 3	1 16	5 22	16 6	4 27	4 14	21 30	5 38	2 1
S 4	6 57	24 28	4 56	14 47	1 30	11 30	0 30	10 9	1 21	23 6	0 7	10 41	1 40	21 3	0 37	22 3	1 16	5 22	16 6	4 27	4 13	21 33	5 37	2 1
S 5	7 20	20 20	4 22	15 22	1 36	11 58	0 28	9 56	1 21	23 6	0 7	10 38	1 40	21 3	0 37	22 2	1 16	5 21	16 6	4 27	4 12	21 35	5 35	2 1
M 6	7 43	15 21	3 35	15 56	1 42	12 26	0 25	9 42	1 21	23 6	0 6	10 36	1 40	21 3	0 37	22 2	1 16	5 20	16 6	4 27	4 11	21 37	5 34	2 1
T 7	8 6	9 48	2 39	16 29	1 48	12 54	0 23	9 28	1 22	23 6	0 6	10 34	1 41	21 3	0 37	22 2	1 16	5 19	16 6	4 28	4 9	21 40	5 33	2 1
W 8	8 28	3 59	1 36	17 1	1 54	13 21	0 21	9 14	1 22	23 6	0 6	10 32	1 41	21 3	0 37	22 2	1 16	5 18	16 6	4 28	4 8	21 42	5 32	2 0
T 9	8 51	1n55	0 29	17 32	2 0	13 48	0 18	9 1	1 22	23 6	0 6	10 30	1 41	21 3	0 37	22 2	1 16	5 17	16 6	4 28	4 7	21 45	5 31	2 0
F 10	9 13	7 41	0n37	18 2	2 5	14 14	0 16	8 47	1 22	23 6	0 6	10 28	1 41	21 3	0 36	22 2	1 17	5 16	16 6	4 28	4 6	21 47	5 29	2 0
S 11	9 35	13 7	1 42	18 32	2 10	14 40	0 13	8 33	1 22	23 6	0 6	10 26	1 41	21 3	0 36	22 2	1 17	5 15	16 6	4 28	4 4	21 49	5 28	2 0
S 12	9 57	18 2	2 42	19 0	2 15	15 6	0 11	8 19	1 23	23 6	0 6	10 24	1 41	21 2	0 36	22 2	1 17	5 14	16 6	4 27	4 3	21 52	5 27	2 0
M13	10 19	22 14	3 34	19 27	2 20	15 32	0 9	8 5	1 23	23 6	0 6	10 22	1 42	21 2	0 36	22 2	1 17	5 13	16 6	4 27	4 2	21 54	5 26	2 0
T 14	10 41	25 32	4 17	19 53	2 24	15 57	0 6	7 51	1 23	23 6	0 6	10 20	1 42	21 2	0 36	22 2	1 17	5 13	16 6	4 26	4 1	21 56	5 25	2 0
W15	11 2	27 44	4 49	20 18	2 28	16 21	0 4	7 37	1 23	23 6	0 5	10 18	1 42	21 2	0 36	22 2	1 17	5 12	16 6	4 24	3 59	21 59	5 24	2 0
T 16	11 24	28 41	5 9	20 42	2 32	16 45	0 1	7 23	1 23	23 6	0 5	10 16	1 42	21 2	0 36	22 2	1 17	5 11	16 6	4 23	3 58	22 1	5 23	2 0
F 17	11 45	28 17	5 15	21 4	2 35	17 9	0s 2	7 9	1 24	23 6	0 5	10 14	1 42	21 2	0 36	22 2	1 17	5 10	16 6	4 23	3 57	22 3	5 21	1 59
S 18	12 6	26 30	5 8	21 26	2 38	17 33	0 4	6 55	1 24	23 6	0 5	10 12	1 43	21 1	0 36	22 2	1 17	5 9	16 6	4 22	3 56	22 6	5 20	1 59
S 19	12 27	23 23	4 45	21 45	2 40	17 55	0 7	6 41	1 24	23 6	0 5	10 10	1 43	21 1	0 36	22 1	1 17	5 9	16 6	4 22	3 54	22 8	5 19	1 59
M20	12 47	19 3	4 8	22 4	2 42	18 18	0 9	6 27	1 24	23 6	0 5	10 9	1 43	21 1	0 36	22 1	1 17	5 8	16 6	4 22	3 53	22 10	5 18	1 59
T 21	13 8	13 40	3 17	22 20	2 44	18 40	0 12	6 12	1 24	23 6	0 5	10 7	1 43	21 1	0 36	22 1	1 17	5 7	16 6	4 23	3 52	22 13	5 17	1 59
W22	13 28	7 28	2 12	22 36	2 45	19 1	0 14	5 58	1 25	23 7	0 5	10 5	1 43	21 1	0 36	22 1	1 17	5 6	16 6	4 24	3 51	22 15	5 16	1 59
T 23	13 48	0 41	0 58	22 49	2 45	19 22	0 17	5 44	1 25	23 7	0 5	10 3	1 44	21 0	0 36	22 1	1 17	5 5	16 6	4 24	3 49	22 17	5 15	1 59
F 24	14 8	6s20	0s22	23 1	2 44	19 43	0 19	5 30	1 25	23 7	0 4	10 2	1 44	21 0	0 36	22 1	1 17	5 5	16 6	4 24	3 48	22 20	5 14	1 59
S 25	14 27	13 10	1 43	23 10	2 43	20 2	0 22	5 16	1 25	23 7	0 4	10 0	1 44	21 0	0 36	22 1	1 17	5 4	16 6	4 24	3 47	22 22	5 13	1 58
S 26	14 47	19 19	2 57	23 18	2 41	20 22	0 24	5 1	1 25	23 7	0 4	9 58	1 44	21 0	0 36	22 1	1 17	5 3	16 6	4 23	3 45	22 24	5 12	1 58
M27	15 6	24 14	3 58	23 24	2 37	20 40	0 27	4 47	1 26	23 7	0 4	9 57	1 45	20 59	0 36	22 1	1 17	5 2	16 7	4 21	3 44	22 27	5 11	1 58
T 28	15 25	27 27	4 43	23 27	2 33	20 59	0 30	4 33	1 26	23 8	0 4	9 55	1 45	20 59	0 36	22 1	1 17	5 2	16 7	4 19	3 43	22 29	5 10	1 58
W29	15 43	28 40	5 7	23 28	2 28	21 16	0 32	4 19	1 26	23 8	0 4	9 53	1 45	20 59	0 36	22 1	1 17	5 1	16 7	4 18	3 42	22 31	5 9	1 58
T 30	16 2	27 51	5 11	23 27	2 22	21 33	0 35	4 5	1 26	23 8	0 4	9 52	1 45	20 58	0 36	22 0	1 17	5 0	16 7	4 16	3 40	22 33	5 8	1 58
F 31	16s20	25s18	4s57	23s22	2s14	21s49	0s37	3n50	1n26	23n 8	0s 4	9n50	1n45	20s58	0s36	22n 0	1s17	5n 0	16n 7	4n15	3n39	22n36	5n 7	1n58

Julian Day Number = 2174971.5, Delta T = 11m59s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'49, Lahiri = 13°17'50 Julian Calendar 1 Oct. 1242 == Greg. Calendar 8 Oct. 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

NOVEMBER 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 24	15♏45'17	12♒28	4♐55	6♐14	24♍17	9°R26	9♍ 7	29♑20	21°R48	25♎55	10°D41	9♈ 8	24♉51	8°R17	S 1
S 2	3 12 21	16°45'55	25°35	4°R55	7°28	24°53	9♋24	9°11	29°22	21♊47	25°57	10♈41	9° 4	24°57	8♈15	S 2
M 3	3 16 17	17°46'34	8♓20	4°45	8°43	25°29	9°21	9°15	29°23	21°46	26° 0	10°42	9° 1	25° 4	8°13	M 3
T 4	3 20 14	18°47'14	20°46	4°25	9°58	26° 5	9°18	9°19	29°25	21°44	26° 2	10°44	8°58	25°11	8°11	T 4
W 5	3 24 10	19°47'55	2♈59	3°55	11°13	26°41	9°15	9°23	29°27	21°43	26° 4	10°45	8°55	25°17	8° 9	W 5
T 6	3 28 7	20°48'37	15° 1	3°14	12°27	27°17	9°12	9°27	29°28	21°42	26° 6	10°R45	8°52	25°24	8° 7	T 6
F 7	3 32 3	21°49'21	26°57	2°22	13°42	27°53	9° 9	9°31	29°30	21°40	26° 9	10°44	8°49	25°31	8° 5	F 7
S 8	3 36 0	22°50'06	8♉49	1°20	14°57	28°29	9° 5	9°35	29°32	21°39	26°11	10°40	8°45	25°37	8° 3	S 8
S 9	3 39 57	23°50'52	20°39	0°10	16°12	29° 5	9° 1	9°39	29°34	21°37	26°13	10°35	8°42	25°44	8° 1	S 9
M10	3 43 53	24°51'40	2♊30	28♏54	17°26	29°41	8°58	9°42	29°36	21°36	26°15	10°27	8°39	25°51	8° 0	M10
T 11	3 47 50	25°52'29	14°22	27°33	18°41	0♎17	8°53	9°46	29°38	21°34	26°18	10°18	8°36	25°57	7°58	T 11
W12	3 51 46	26°53'19	26°18	26°10	19°56	0°53	8°49	9°49	29°40	21°33	26°20	10° 9	8°33	26° 4	7°56	W12
T 13	3 55 43	27°54'10	8♋19	24°49	21°11	1°29	8°45	9°53	29°42	21°31	26°22	10° 0	8°30	26°11	7°55	T 13
F 14	3 59 39	28°55'03	20°27	23°31	22°25	2° 4	8°40	9°56	29°44	21°30	26°24	9°52	8°26	26°18	7°53	F 14
S 15	4 3 36	29°55'57	2♌46	22°20	23°40	2°40	8°35	9°59	29°46	21°28	26°26	9°46	8°23	26°24	7°52	S 15
S 16	4 7 32	0♐56'53	15°18	21°17	24°55	3°16	8°30	10° 2	29°48	21°27	26°28	9°42	8°20	26°31	7°50	S 16
M17	4 11 29	1°57'50	28° 7	20°23	26° 9	3°51	8°25	10° 5	29°50	21°25	26°30	9°D41	8°17	26°38	7°49	M17
T 18	4 15 26	2°58'48	11♍17	19°41	27°24	4°27	8°20	10° 8	29°53	21°24	26°32	9°41	8°14	26°44	7°48	T 18
W19	4 19 22	3°59'47	24°51	19°10	28°39	5° 2	8°14	10°11	29°55	21°22	26°34	9°42	8°10	26°51	7°46	W19
T 20	4 23 19	5° 0'47	8♎51	18°51	29°53	5°38	8° 9	10°13	29°57	21°20	26°36	9°R43	8° 7	26°58	7°45	T 20
F 21	4 27 15	6° 1'49	23°17	18°D42	1♑ 8	6°13	8° 3	10°16	29°59	21°19	26°38	9°42	8° 4	27° 4	7°44	F 21
S 22	4 31 12	7° 2'52	8♏ 8	18°44	2°23	6°49	7°57	10°18	0♒ 2	21°17	26°40	9°39	8° 1	27°11	7°43	S 22
S 23	4 35 8	8° 3'56	23°17	18°56	3°37	7°24	7°51	10°20	0° 4	21°15	26°42	9°33	7°58	27°18	7°42	S 23
M24	4 39 5	9° 5'01	8♐34	19°17	4°52	7°59	7°45	10°23	0° 7	21°14	26°44	9°25	7°55	27°24	7°41	M24
T 25	4 43 1	10° 6'07	23°50	19°46	6° 6	8°34	7°38	10°25	0° 9	21°12	26°46	9°16	7°51	27°31	7°40	T 25
W26	4 46 58	11° 7'13	8♑53	20°22	7°21	9°10	7°32	10°27	0°12	21°10	26°48	9° 6	7°48	27°38	7°39	W26
T 27	4 50 55	12° 8'20	23°33	21° 4	8°36	9°45	7°25	10°29	0°14	21° 9	26°50	8°57	7°45	27°45	7°38	T 27
F 28	4 54 51	13° 9'28	7♒45	21°53	9°50	10°20	7°18	10°31	0°17	21° 7	26°52	8°50	7°42	27°51	7°37	F 28
S 29	4 58 48	14°10'35	21°27	22°46	11° 5	10°55	7°11	10°32	0°20	21° 5	26°54	8°45	7°39	27°58	7°36	S 29
S 30	5 2 44	15♐11'43	4♓39	23♏44	12♑19	11♎30	7♋ 4	10♍34	0♒22	21♊ 4	26♎56	8♈42	7♈36	28♉ 5	7♈36	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s38	21s23	4s26	23s15	2s 5	22s 5	0s40	3n36	1n26	23n 9	0s 3	9n49	1n46	20s58	0s36	22n 0	1s17	4n59	16n 7	4n15	3n38	22n38	5n 6	1n57
S 2	16 55	16 31	3 42	23 4	1 54	22 20	0 42	3 22	1 27	23 9	0 3	9 48	1 46	20 57	0 36	22 0	1 17	4 58	16 7	4 15	3 37	22 40	5 5	1 57
M 3	17 12	11 4	2 48	22 51	1 42	22 35	0 44	3 8	1 27	23 9	0 3	9 46	1 46	20 57	0 36	22 0	1 17	4 58	16 8	4 15	3 35	22 43	5 4	1 57
T 4	17 29	5 18	1 47	22 34	1 28	22 49	0 47	2 53	1 27	23 10	0 3	9 45	1 46	20 57	0 36	22 0	1 17	4 57	16 8	4 16	3 34	22 45	5 3	1 57
W 5	17 46	0n33	0 42	22 13	1 13	23 2	0 49	2 39	1 27	23 10	0 3	9 44	1 47	20 56	0 36	22 0	1 17	4 56	16 8	4 16	3 33	22 47	5 2	1 57
T 6	18 2	6 18	0n23	21 48	0 56	23 14	0 52	2 25	1 27	23 10	0 3	9 42	1 47	20 56	0 36	22 0	1 17	4 56	16 8	4 17	3 32	22 49	5 1	1 57
F 7	18 18	11 47	1 27	21 20	0 38	23 26	0 54	2 11	1 27	23 11	0 3	9 41	1 47	20 55	0 36	22 0	1 17	4 55	16 8	4 16	3 30	22 51	5 0	1 57
S 8	18 34	16 48	2 26	20 49	0 18	23 37	0 56	1 56	1 28	23 11	0 3	9 40	1 47	20 55	0 36	22 0	1 17	4 55	16 9	4 14	3 29	22 54	4 59	1 56
S 9	18 49	21 11	3 19	20 15	0n 2	23 47	0 58	1 42	1 28	23 11	0 2	9 39	1 48	20 55	0 36	21 59	1 17	4 54	16 9	4 12	3 28	22 56	4 58	1 56
M10	19 4	24 43	4 3	19 38	0 22	23 57	1 1	1 28	1 28	23 12	0 2	9 37	1 48	20 54	0 36	21 59	1 17	4 54	16 9	4 9	3 27	22 58	4 58	1 56
T 11	19 18	27 12	4 37	19 0	0 43	24 6	1 3	1 14	1 28	23 12	0 2	9 36	1 48	20 54	0 36	21 59	1 17	4 53	16 9	4 6	3 25	23 0	4 57	1 56
W12	19 33	28 27	4 58	18 22	1 3	24 14	1 5	1 0	1 28	23 13	0 2	9 35	1 48	20 53	0 36	21 59	1 17	4 53	16 9	4 2	3 24	23 3	4 56	1 56
T 13	19 47	28 23	5 7	17 44	1 22	24 22	1 7	0 46	1 28	23 13	0 2	9 34	1 49	20 53	0 36	21 59	1 17	4 52	16 10	3 58	3 23	23 5	4 55	1 56
F 14	20 0	26 57	5 2	17 8	1 39	24 29	1 9	0 31	1 28	23 14	0 2	9 33	1 49	20 52	0 36	21 59	1 17	4 52	16 10	3 55	3 22	23 7	4 55	1 56
S 15	20 13	24 12	4 43	16 35	1 55	24 35	1 11	0 17	1 29	23 14	0 2	9 32	1 49	20 52	0 36	21 59	1 17	4 51	16 10	3 53	3 20	23 9	4 54	1 55
S 16	20 26	20 18	4 10	16 6	2 8	24 40	1 13	0 3	1 29	23 14	0 2	9 31	1 49	20 51	0 36	21 59	1 17	4 51	16 11	3 52	3 19	23 11	4 53	1 55
M17	20 38	15 22	3 24	15 41	2 19	24 44	1 15	0s11	1 29	23 15	0 1	9 31	1 50	20 51	0 36	21 59	1 17	4 50	16 11	3 51	3 18	23 13	4 52	1 55
T 18	20 51	9 37	2 27	15 21	2 29	24 48	1 17	0 25	1 29	23 15	0 1	9 30	1 50	20 50	0 36	21 58	1 17	4 50	16 11	3 51	3 17	23 16	4 52	1 55
W19	21 2	3 16	1 19	15 6	2 36	24 51	1 19	0 39	1 29	23 16	0 1	9 29	1 50	20 50	0 36	21 58	1 17	4 49	16 11	3 52	3 15	23 18	4 51	1 55
T 20	21 13	3s27	0 5	14 56	2 40	24 53	1 21	0 53	1 29	23 16	0 1	9 28	1 50	20 49	0 36	21 58	1 17	4 49	16 12	3 52	3 14	23 20	4 50	1 55
F 21	21 24	10 12	1s12	14 50	2 44	24 55	1 23	1 7	1 29	23 17	0 1	9 27	1 51	20 49	0 36	21 58	1 17	4 48	16 12	3 51	3 13	23 22	4 50	1 54
S 22	21 35	16 35	2 26	14 50	2 45	24 56	1 25	1 21	1 30	23 17	0 1	9 27	1 51	20 48	0 35	21 58	1 17	4 48	16 12	3 50	3 12	23 24	4 49	1 54
S 23	21 45	22 4	3 31	14 53	2 45	24 56	1 26	1 35	1 30	23 18	0 1	9 26	1 51	20 48	0 35	21 58	1 17	4 48	16 13	3 48	3 10	23 26	4 49	1 54
M24	21 54	26 7	4 21	15 0	2 43	24 55	1 28	1 48	1 30	23 18	0 0	9 25	1 51	20 47	0 35	21 58	1 17	4 47	16 13	3 45	3 9	23 28	4 48	1 54
T 25	22 3	28 16	4 53	15 10	2 41	24 53	1 29	2 2	1 30	23 19	0 0	9 25	1 52	20 47	0 35	21 58	1 17	4 47	16 13	3 41	3 8	23 31	4 47	1 54
W26	22 12	28 17	5 4	15 23	2 37	24 51	1 31	2 16	1 30	23 19	0 0	9 24	1 52	20 46	0 35	21 58	1 17	4 47	16 14	3 37	3 7	23 33	4 47	1 54
T 27	22 21	26 18	4 54	15 39	2 33	24 48	1 32	2 30	1 30	23 20	0n 0	9 24	1 52	20 46	0 35	21 57	1 17	4 46	16 14	3 34	3 5	23 35	4 46	1 53
F 28	22 28	22 42	4 26	15 56	2 28	24 44	1 34	2 43	1 30	23 20	0 0	9 23	1 52	20 45	0 35	21 57	1 17	4 46	16 14	3 31	3 4	23 37	4 46	1 53
S 29	22 36	17 57	3 44	16 15	2 22	24 39	1 35	2 57	1 30	23 21	0 0	9 23	1 53	20 44	0 35	21 57	1 17	4 46	16 15	3 29	3 3	23 39	4 46	1 53
S 30	22s43	12s30	2s51	16s36	2n16	24s34	1s36	3s11	1n30	23n21	0n 0	9n23	1n53	20s44	0s35	21n57	1s17	4n45	16n15	3n28	3n 1	23n41	4n45	1n53

Julian Day Number = 2175002.5, Delta T = 11m59s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'54, Lahiri = 13°17'54 Julian Calendar 1 Nov. 1242 == Greg. Calendar 8 Nov. 1242

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ASTRODIENST EPHEMERIS for the year 1242
geocentric

DECEMBER 1242 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 6 41	16♐12'52	17♓25	24♏46	13♑34	12♎ 5	6°R57	10♍35	0♒25	21°R 2	26♎57	8°D42	7♈32	28♉11	7°R35	M 1
T 2	5 10 37	17°14'00	29°50	25°51	14°48	12°40	6♋50	10°37	0°28	21♊ 0	26°59	8♈42	7°29	28°18	7♈34	T 2
W 3	5 14 34	18°15'09	11♈59	26°59	16° 3	13°14	6°43	10°38	0°31	20°59	27° 1	8°R43	7°26	28°25	7°34	W 3
T 4	5 18 30	19°16'17	23°56	28°10	17°17	13°49	6°35	10°39	0°33	20°57	27° 3	8°41	7°23	28°31	7°33	T 4
F 5	5 22 27	20°17'26	5♉47	29°23	18°31	14°24	6°28	10°40	0°36	20°55	27° 4	8°38	7°20	28°38	7°33	F 5
S 6	5 26 24	21°18'36	17°35	0♐39	19°46	14°58	6°20	10°41	0°39	20°54	27° 6	8°32	7°16	28°45	7°33	S 6
S 7	5 30 20	22°19'45	29°25	1°56	21° 0	15°33	6°13	10°42	0°42	20°52	27° 7	8°22	7°13	28°51	7°32	S 7
M 8	5 34 17	23°20'55	11♊18	3°14	22°14	16° 7	6° 5	10°43	0°45	20°50	27° 9	8°11	7°10	28°58	7°32	M 8
T 9	5 38 13	24°22'05	23°16	4°34	23°29	16°42	5°57	10°43	0°48	20°48	27°11	7°57	7° 7	29° 5	7°32	T 9
W10	5 42 10	25°23'15	5♋20	5°56	24°43	17°16	5°49	10°44	0°51	20°47	27°12	7°42	7° 4	29°12	7°32	W10
T 11	5 46 6	26°24'26	17°31	7°18	25°57	17°51	5°42	10°44	0°54	20°45	27°14	7°28	7° 1	29°18	7°32	T 11
F 12	5 50 3	27°25'36	29°51	8°41	27°12	18°25	5°34	10°44	0°57	20°43	27°15	7°16	6°57	29°25	7°D32	F 12
S 13	5 54 0	28°26'47	12♌19	10° 6	28°26	18°59	5°26	10°45	1° 0	20°42	27°17	7° 6	6°54	29°32	7°32	S 13
S 14	5 57 56	29°27'58	24°59	11°31	29°40	19°33	5°18	10°R45	1° 3	20°40	27°18	6°59	6°51	29°38	7°32	S 14
M15	6 1 53	0♑29'09	7♍51	12°57	0♒54	20° 7	5°10	10°45	1° 6	20°38	27°19	6°55	6°48	29°45	7°32	M15
T 16	6 5 49	1°30'21	20°59	14°23	2° 8	20°41	5° 1	10°44	1° 9	20°37	27°21	6°53	6°45	29°52	7°32	T 16
W17	6 9 46	2°31'32	4♎26	15°51	3°22	21°15	4°53	10°44	1°13	20°35	27°22	6°53	6°42	29°58	7°33	W17
T 18	6 13 42	3°32'44	18°13	17°19	4°36	21°49	4°45	10°44	1°16	20°33	27°23	6°53	6°38	0♊ 5	7°33	T 18
F 19	6 17 39	4°33'56	2♏23	18°47	5°50	22°23	4°37	10°43	1°19	20°32	27°25	6°51	6°35	0°12	7°33	F 19
S 20	6 21 35	5°35'09	16°54	20°16	7° 4	22°56	4°29	10°43	1°22	20°30	27°26	6°47	6°32	0°19	7°34	S 20
S 21	6 25 32	6°36'21	1♐44	21°46	8°18	23°30	4°21	10°42	1°25	20°28	27°27	6°41	6°29	0°25	7°34	S 21
M22	6 29 29	7°37'33	16°46	23°16	9°32	24° 3	4°13	10°41	1°29	20°27	27°28	6°31	6°26	0°32	7°35	M22
T 23	6 33 25	8°38'46	1♑50	24°46	10°46	24°37	4° 5	10°40	1°32	20°25	27°29	6°19	6°22	0°39	7°36	T 23
W24	6 37 22	9°39'58	16°48	26°17	12° 0	25°10	3°57	10°39	1°35	20°24	27°30	6° 7	6°19	0°45	7°36	W24
T 25	6 41 18	10°41'09	1♒28	27°49	13°14	25°44	3°49	10°38	1°39	20°22	27°31	5°56	6°16	0°52	7°37	T 25
F 26	6 45 15	11°42'20	15°45	29°21	14°27	26°17	3°41	10°37	1°42	20°20	27°32	5°46	6°13	0°59	7°38	F 26
S 27	6 49 11	12°43'30	29°33	0♑53	15°41	26°50	3°33	10°35	1°45	20°19	27°33	5°39	6°10	1° 5	7°39	S 27
S 28	6 53 8	13°44'40	12♓53	2°26	16°55	27°23	3°25	10°34	1°49	20°17	27°34	5°35	6° 7	1°12	7°40	S 28
M29	6 57 4	14°45'48	25°45	4° 0	18° 9	27°56	3°17	10°32	1°52	20°16	27°35	5°33	6° 3	1°19	7°41	M29
T 30	7 1 1	15°46'56	8♈14	5°34	19°22	28°28	3° 9	10°31	1°55	20°14	27°36	5°D33	6° 0	1°25	7°42	T 30
W31	7 4 58	16♑48'03	20♈25	7♑ 8	20♒36	29♎ 1	3♋ 2	10♍29	1♒59	20♊13	27♎37	5°R33	5♈57	1♊32	7♈43	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s49	6s41	1s51	16s57	2n 9	24s28	1s38	3s24	1n31	23n22	0n 1	9n22	1n53	20s43	0s35	21n57	1s17	4n45	16n16	3n28	3n 0	23n43	4n45	1n53
T 2	22 55	0 47	0 47	17 20	2 2	24 21	1 39	3 38	1 31	23 22	0 1	9 22	1 53	20 43	0 35	21 57	1 17	4 45	16 16	3 28	2 59	23 45	4 44	1 52
W 3	23 1	5n 1	0n17	17 42	1 55	24 13	1 40	3 51	1 31	23 23	0 1	9 22	1 54	20 42	0 35	21 57	1 17	4 45	16 16	3 28	2 58	23 47	4 44	1 52
T 4	23 6	10 34	1 20	18 6	1 47	24 5	1 41	4 5	1 31	23 24	0 1	9 22	1 54	20 41	0 35	21 57	1 17	4 45	16 17	3 28	2 56	23 49	4 44	1 52
F 5	23 11	15 41	2 18	18 29	1 40	23 56	1 42	4 18	1 31	23 24	0 1	9 22	1 54	20 41	0 35	21 57	1 17	4 44	16 17	3 26	2 55	23 51	4 43	1 52
S 6	23 15	20 12	3 11	18 53	1 32	23 46	1 43	4 31	1 31	23 25	0 1	9 21	1 55	20 40	0 35	21 57	1 17	4 44	16 18	3 24	2 54	23 53	4 43	1 52
S 7	23 19	23 55	3 54	19 16	1 24	23 36	1 43	4 45	1 31	23 25	0 1	9 21	1 55	20 39	0 35	21 56	1 17	4 44	16 18	3 20	2 53	23 56	4 43	1 52
M 8	23 22	26 39	4 28	19 39	1 16	23 24	1 44	4 58	1 31	23 26	0 2	9 21	1 55	20 39	0 35	21 56	1 17	4 44	16 18	3 15	2 51	23 58	4 42	1 51
T 9	23 25	28 12	4 50	20 2	1 8	23 12	1 45	5 11	1 31	23 26	0 2	9 21	1 55	20 38	0 35	21 56	1 17	4 44	16 19	3 10	2 50	24 0	4 42	1 51
W10	23 28	28 25	5 0	20 24	1 0	23 0	1 45	5 24	1 31	23 27	0 2	9 21	1 56	20 37	0 35	21 56	1 17	4 44	16 19	3 4	2 49	24 2	4 42	1 51
T 11	23 29	27 16	4 55	20 46	0 52	22 47	1 46	5 37	1 31	23 27	0 2	9 21	1 56	20 37	0 35	21 56	1 17	4 44	16 20	2 59	2 48	24 4	4 42	1 51
F 12	23 31	24 47	4 37	21 7	0 44	22 33	1 46	5 50	1 31	23 28	0 2	9 22	1 56	20 36	0 35	21 56	1 17	4 43	16 20	2 54	2 46	24 6	4 42	1 51
S 13	23 32	21 6	4 6	21 28	0 36	22 18	1 47	6 3	1 31	23 28	0 2	9 22	1 56	20 35	0 35	21 56	1 17	4 43	16 21	2 50	2 45	24 8	4 42	1 51
S 14	23 32	16 25	3 22	21 47	0 28	22 3	1 47	6 16	1 32	23 28	0 2	9 22	1 57	20 35	0 35	21 56	1 17	4 43	16 21	2 47	2 44	24 10	4 41	1 50
M15	23 32	10 56	2 27	22 6	0 21	21 47	1 47	6 29	1 32	23 29	0 3	9 22	1 57	20 34	0 35	21 56	1 17	4 43	16 22	2 45	2 43	24 12	4 41	1 50
T 16	23 32	4 51	1 23	22 25	0 13	21 30	1 47	6 42	1 32	23 29	0 3	9 23	1 57	20 33	0 35	21 55	1 17	4 43	16 22	2 45	2 41	24 14	4 41	1 50
W17	23 31	1s34	0 13	22 42	0 5	21 13	1 47	6 54	1 32	23 30	0 3	9 23	1 58	20 33	0 35	21 55	1 17	4 43	16 22	2 45	2 40	24 16	4 41	1 50
T 18	23 30	8 5	1s 0	22 58	0s 2	20 55	1 47	7 7	1 32	23 30	0 3	9 23	1 58	20 32	0 35	21 55	1 17	4 43	16 23	2 45	2 39	24 18	4 41	1 50
F 19	23 28	14 23	2 10	23 13	0 9	20 37	1 47	7 20	1 32	23 31	0 3	9 24	1 58	20 31	0 35	21 55	1 17	4 43	16 23	2 44	2 38	24 20	4 41	1 50
S 20	23 25	20 3	3 14	23 27	0 17	20 18	1 47	7 32	1 32	23 31	0 3	9 24	1 58	20 31	0 35	21 55	1 17	4 43	16 24	2 42	2 36	24 22	4 41	1 49
S 21	23 22	24 37	4 7	23 40	0 24	19 59	1 46	7 45	1 32	23 32	0 3	9 25	1 59	20 30	0 35	21 55	1 17	4 43	16 24	2 40	2 35	24 24	4 41	1 49
M22	23 19	27 34	4 42	23 52	0 30	19 39	1 46	7 57	1 32	23 32	0 4	9 25	1 59	20 29	0 35	21 55	1 17	4 43	16 25	2 36	2 34	24 25	4 41	1 49
T 23	23 15	28 31	4 59	24 3	0 37	19 18	1 46	8 9	1 32	23 32	0 4	9 26	1 59	20 28	0 35	21 55	1 17	4 44	16 25	2 31	2 32	24 27	4 41	1 49
W24	23 11	27 21	4 55	24 13	0 44	18 57	1 45	8 21	1 32	23 33	0 4	9 27	1 59	20 28	0 35	21 55	1 17	4 44	16 26	2 26	2 31	24 29	4 41	1 49
T 25	23 6	24 19	4 31	24 21	0 50	18 35	1 44	8 33	1 32	23 33	0 4	9 27	2 0	20 27	0 35	21 55	1 17	4 44	16 26	2 22	2 30	24 31	4 42	1 48
F 26	23 1	19 51	3 51	24 28	0 56	18 13	1 44	8 46	1 32	23 33	0 4	9 28	2 0	20 26	0 35	21 55	1 17	4 44	16 27	2 18	2 29	24 33	4 42	1 48
S 27	22 56	14 27	2 58	24 34	1 2	17 50	1 43	8 57	1 32	23 34	0 4	9 29	2 0	20 25	0 35	21 54	1 17	4 44	16 27	2 15	2 27	24 35	4 42	1 48
S 28	22 50	8 33	1 57	24 39	1 8	17 27	1 42	9 9	1 32	23 34	0 4	9 30	2 0	20 25	0 35	21 54	1 17	4 44	16 28	2 14	2 26	24 37	4 42	1 48
M29	22 43	2 29	0 52	24 42	1 13	17 4	1 41	9 21	1 32	23 35	0 5	9 30	2 1	20 24	0 35	21 54	1 17	4 44	16 28	2 13	2 25	24 39	4 42	1 48
T 30	22 36	3n30	0n14	24 44	1 19	16 39	1 40	9 33	1 32	23 35	0 5	9 31	2 1	20 23	0 35	21 54	1 17	4 45	16 29	2 13	2 24	24 41	4 43	1 48
W31	22s29	9n12	1n18	24s44	1s24	16s15	1s39	9s45	1n32	23n35	0n 5	9n32	2n 1	20s22	0s35	21n54	1s17	4n45	16n29	2n13	2n22	24n43	4n43	1n47

Julian Day Number = 2175032.5, Delta T = 11m59s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°10'58, Lahiri = 13°17'58 Julian Calendar 1 Dec. 1242 == Greg. Calendar 8 Dec. 1242

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

JANUARY 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 54	17♉49'09	2♉23	8♉43	21♒49	29♎34	2°R54	10°R27	2♒ 2	20°R11	27♎38	5°R32	5♈54	1♊39	7♈44	T 1
F 2	7 12 51	18°50'14	14°14	10°19	23° 3	0♏ 6	2♋46	10♍25	2° 6	20♊10	27°39	5♈29	5°51	1°46	7°45	F 2
S 3	7 16 47	19°51'19	26° 2	11°55	24°16	0°39	2°39	10°23	2° 9	20° 8	27°39	5°24	5°48	1°52	7°46	S 3
S 4	7 20 44	20°52'22	7♊53	13°31	25°29	1°11	2°32	10°21	2°13	20° 7	27°40	5°16	5°44	1°59	7°48	S 4
M 5	7 24 40	21°53'25	19°50	15° 9	26°42	1°43	2°24	10°18	2°16	20° 6	27°41	5° 5	5°41	2° 6	7°49	M 5
T 6	7 28 37	22°54'26	1♋54	16°47	27°56	2°15	2°17	10°16	2°19	20° 4	27°41	4°52	5°38	2°12	7°50	T 6
W 7	7 32 34	23°55'27	14° 9	18°25	29° 9	2°47	2°10	10°14	2°23	20° 3	27°42	4°39	5°35	2°19	7°52	W 7
T 8	7 36 30	24°56'26	26°33	20° 4	0♓22	3°19	2° 3	10°11	2°26	20° 2	27°43	4°25	5°32	2°26	7°53	T 8
F 9	7 40 27	25°57'25	9♌ 9	21°44	1°35	3°51	1°56	10° 8	2°30	20° 0	27°43	4°14	5°28	2°33	7°55	F 9
S 10	7 44 23	26°58'22	21°55	23°24	2°48	4°23	1°50	10° 6	2°33	19°59	27°44	4° 4	5°25	2°39	7°56	S 10
S 11	7 48 20	27°59'19	4♍52	25° 5	4° 1	4°54	1°43	10° 3	2°37	19°58	27°44	3°58	5°22	2°46	7°58	S 11
M12	7 52 16	29° 0'15	18° 0	26°47	5°13	5°26	1°37	10° 0	2°40	19°56	27°44	3°54	5°19	2°53	8° 0	M12
T 13	7 56 13	0♒ 1'10	1♎20	28°30	6°26	5°57	1°30	9°57	2°44	19°55	27°45	3°D53	5°16	2°59	8° 2	T 13
W14	8 0 9	1° 2'04	14°52	0♒13	7°39	6°28	1°24	9°54	2°47	19°54	27°45	3°53	5°13	3° 6	8° 3	W14
T 15	8 4 6	2° 2'58	28°38	1°57	8°51	6°59	1°18	9°51	2°51	19°53	27°46	3°R54	5° 9	3°13	8° 5	T 15
F 16	8 8 3	3° 3'50	12♏38	3°41	10° 4	7°30	1°12	9°47	2°54	19°52	27°46	3°54	5° 6	3°19	8° 7	F 16
S 17	8 11 59	4° 4'42	26°53	5°27	11°16	8° 1	1° 6	9°44	2°58	19°51	27°46	3°51	5° 3	3°26	8° 9	S 17
S 18	8 15 56	5° 5'33	11♐20	7°13	12°29	8°31	1° 1	9°41	3° 1	19°49	27°46	3°47	5° 0	3°33	8°11	S 18
M19	8 19 52	6° 6'23	25°55	8°59	13°41	9° 2	0°55	9°37	3° 5	19°48	27°46	3°40	4°57	3°40	8°13	M19
T 20	8 23 49	7° 7'12	10♑34	10°46	14°53	9°32	0°50	9°33	3° 8	19°47	27°47	3°31	4°54	3°46	8°15	T 20
W21	8 27 45	8° 8'00	25° 8	12°34	16° 5	10° 3	0°45	9°30	3°12	19°46	27°47	3°22	4°50	3°53	8°17	W21
T 22	8 31 42	9° 8'46	9♒31	14°23	17°17	10°33	0°40	9°26	3°15	19°45	27°47	3°13	4°47	4° 0	8°20	T 22
F 23	8 35 38	10° 9'31	23°36	16°12	18°29	11° 3	0°35	9°22	3°19	19°44	27°R47	3° 5	4°44	4° 6	8°22	F 23
S 24	8 39 35	11°10'15	7♓19	18° 1	19°41	11°32	0°30	9°18	3°22	19°43	27°47	3° 0	4°41	4°13	8°24	S 24
S 25	8 43 32	12°10'57	20°38	19°51	20°53	12° 2	0°26	9°15	3°26	19°42	27°47	2°57	4°38	4°20	8°27	S 25
M26	8 47 28	13°11'37	3♈32	21°40	22° 4	12°31	0°22	9°11	3°29	19°42	27°47	2°D56	4°34	4°26	8°29	M26
T 27	8 51 25	14°12'15	16° 4	23°30	23°16	13° 1	0°18	9° 6	3°33	19°41	27°46	2°57	4°31	4°33	8°31	T 27
W28	8 55 21	15°12'52	28°19	25°20	24°27	13°30	0°14	9° 2	3°36	19°40	27°46	2°58	4°28	4°40	8°34	W28
T 29	8 59 18	16°13'27	10♉21	27° 9	25°39	13°59	0°10	8°58	3°40	19°39	27°46	2°59	4°25	4°47	8°36	T 29
F 30	9 3 14	17°14'00	22°14	28°58	26°50	14°27	0° 6	8°54	3°43	19°38	27°46	2°R59	4°22	4°53	8°39	F 30
S 31	9 7 11	18♒14'32	4♊ 5	0♓45	28♓ 1	14♏56	0♋ 3	8♍50	3♒46	19♊38	27♎46	2♈58	4♈19	5♊ 0	8♈41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s21	14n29	2n17	24s43	1s28	15s50	1s38	9s56	1n32	23n36	0n 5	9n33	2n 1	20s21	0s35	21n54	1s17	4n45	16n30	2n13	2n21	24n45	4n43	1n47
F 2	22 13	19 11	3 9	24 41	1 33	15 25	1 36	10 8	1 32	23 36	0 5	9 34	2 2	20 21	0 35	21 54	1 17	4 45	16 31	2 11	2 20	24 47	4 44	1 47
S 3	22 4	23 8	3 54	24 37	1 37	14 59	1 35	10 19	1 32	23 36	0 5	9 35	2 2	20 20	0 35	21 54	1 17	4 45	16 31	2 9	2 19	24 48	4 44	1 47
S 4	21 55	26 7	4 28	24 32	1 41	14 33	1 34	10 30	1 32	23 36	0 5	9 36	2 2	20 19	0 35	21 54	1 17	4 46	16 32	2 6	2 17	24 50	4 44	1 47
M 5	21 45	27 58	4 50	24 25	1 45	14 6	1 32	10 41	1 32	23 37	0 6	9 37	2 2	20 18	0 35	21 54	1 17	4 46	16 32	2 2	2 16	24 52	4 45	1 47
T 6	21 35	28 32	5 0	24 16	1 48	13 39	1 30	10 53	1 31	23 37	0 6	9 38	2 3	20 18	0 35	21 54	1 17	4 46	16 33	1 57	2 15	24 54	4 45	1 46
W 7	21 25	27 42	4 57	24 6	1 51	13 12	1 29	11 4	1 31	23 37	0 6	9 40	2 3	20 17	0 35	21 54	1 16	4 47	16 33	1 51	2 14	24 56	4 45	1 46
T 8	21 14	25 30	4 39	23 55	1 54	12 45	1 27	11 15	1 31	23 37	0 6	9 41	2 3	20 16	0 35	21 54	1 16	4 47	16 34	1 46	2 12	24 58	4 46	1 46
F 9	21 3	22 1	4 8	23 42	1 57	12 17	1 25	11 25	1 31	23 38	0 6	9 42	2 3	20 15	0 35	21 53	1 16	4 47	16 34	1 41	2 11	24 59	4 46	1 46
S 10	20 51	17 28	3 23	23 27	1 59	11 49	1 23	11 36	1 31	23 38	0 6	9 43	2 4	20 14	0 35	21 53	1 16	4 47	16 35	1 38	2 10	25 1	4 47	1 46
S 11	20 39	12 3	2 28	23 11	2 1	11 20	1 21	11 47	1 31	23 38	0 6	9 45	2 4	20 14	0 35	21 53	1 16	4 48	16 35	1 35	2 9	25 3	4 47	1 46
M12	20 27	6 2	1 23	22 53	2 2	10 52	1 19	11 57	1 31	23 38	0 7	9 46	2 4	20 13	0 35	21 53	1 16	4 48	16 36	1 34	2 7	25 5	4 48	1 45
T 13	20 14	0s19	0 14	22 33	2 3	10 23	1 17	12 8	1 31	23 39	0 7	9 47	2 4	20 12	0 35	21 53	1 16	4 49	16 36	1 33	2 6	25 7	4 48	1 45
W14	20 1	6 46	0s58	22 12	2 4	9 53	1 14	12 18	1 31	23 39	0 7	9 49	2 5	20 11	0 35	21 53	1 16	4 49	16 37	1 33	2 5	25 9	4 49	1 45
T 15	19 47	13 1	2 8	21 49	2 4	9 24	1 12	12 29	1 31	23 39	0 7	9 50	2 5	20 10	0 35	21 53	1 16	4 49	16 38	1 33	2 3	25 10	4 50	1 45
F 16	19 33	18 44	3 11	21 25	2 4	8 54	1 10	12 39	1 30	23 39	0 7	9 51	2 5	20 10	0 35	21 53	1 16	4 50	16 38	1 33	2 2	25 12	4 50	1 45
S 17	19 19	23 30	4 4	20 58	2 3	8 24	1 7	12 49	1 30	23 39	0 7	9 53	2 5	20 9	0 35	21 53	1 16	4 50	16 39	1 32	2 1	25 14	4 51	1 45
S 18	19 4	26 53	4 42	20 31	2 2	7 54	1 5	12 59	1 30	23 39	0 7	9 54	2 5	20 8	0 35	21 53	1 16	4 51	16 39	1 31	2 0	25 16	4 52	1 45
M19	18 49	28 30	5 2	20 1	2 0	7 24	1 2	13 9	1 30	23 40	0 7	9 56	2 6	20 7	0 35	21 53	1 16	4 51	16 40	1 28	1 58	25 17	4 52	1 44
T 20	18 34	28 8	5 2	19 30	1 58	6 53	0 59	13 19	1 30	23 40	0 8	9 57	2 6	20 6	0 35	21 53	1 16	4 52	16 40	1 24	1 57	25 19	4 53	1 44
W21	18 19	25 50	4 43	18 57	1 55	6 22	0 56	13 28	1 30	23 40	0 8	9 59	2 6	20 6	0 35	21 53	1 16	4 52	16 41	1 21	1 56	25 21	4 54	1 44
T 22	18 3	21 54	4 6	18 22	1 52	5 52	0 53	13 38	1 29	23 40	0 8	10 1	2 6	20 5	0 35	21 53	1 16	4 52	16 41	1 17	1 55	25 23	4 54	1 44
F 23	17 46	16 46	3 15	17 46	1 48	5 21	0 50	13 47	1 29	23 40	0 8	10 2	2 6	20 4	0 35	21 53	1 16	4 53	16 42	1 14	1 53	25 24	4 55	1 44
S 24	17 30	10 55	2 13	17 8	1 44	4 50	0 47	13 57	1 29	23 40	0 8	10 4	2 7	20 3	0 35	21 53	1 16	4 53	16 42	1 12	1 52	25 26	4 56	1 44
S 25	17 13	4 44	1 6	16 29	1 39	4 18	0 44	14 6	1 29	23 40	0 8	10 6	2 7	20 2	0 35	21 53	1 16	4 54	16 43	1 11	1 51	25 28	4 57	1 43
M26	16 56	1n28	0n 3	15 48	1 33	3 47	0 41	14 15	1 29	23 41	0 8	10 7	2 7	20 2	0 35	21 53	1 16	4 55	16 43	1 10	1 50	25 30	4 57	1 43
T 27	16 38	7 26	1 10	15 6	1 26	3 16	0 38	14 24	1 28	23 41	0 8	10 9	2 7	20 1	0 35	21 53	1 16	4 55	16 44	1 11	1 48	25 31	4 58	1 43
W28	16 20	12 59	2 13	14 23	1 19	2 44	0 35	14 33	1 28	23 41	0 8	10 11	2 7	20 0	0 35	21 53	1 16	4 56	16 44	1 11	1 47	25 33	4 59	1 43
T 29	16 2	17 57	3 8	13 38	1 12	2 13	0 31	14 42	1 28	23 41	0 9	10 12	2 7	19 59	0 35	21 53	1 16	4 56	16 45	1 12	1 46	25 35	5 0	1 43
F 30	15 44	22 11	3 54	12 52	1 3	1 41	0 28	14 51	1 28	23 41	0 9	10 14	2 8	19 58	0 35	21 53	1 16	4 57	16 46	1 12	1 44	25 36	5 1	1 43
S 31	15s26	25n29	4n31	12s 6	0s54	1s10	0s24	15s 0	1n27	23n41	0n 9	10n16	2n 8	19s58	0s35	21n53	1s16	4n57	16n46	1n11	1n43	25n38	5n 2	1n43

Julian Day Number = 2175063.5, Delta T = 11m58s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'02, Lahiri = 13°18'03 Julian Calendar 1 Jan. 1243 == Greg. Calendar 8 Jan. 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

FEBRUARY 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 7	19♒15'01	15♊58	2♓32	29♓12	15♏24	29°R59	8°R45	3♒50	19°R37	27°R45	2°R54	4♈15	5♊ 7	8♈44	S 1
M 2	9 15 4	20°15'29	27°57	4°17	0♈23	15°52	29♊57	8♍41	3°53	19♊36	27♎45	2♈49	4°12	5°13	8°47	M 2
T 3	9 19 1	21°15'55	10♋ 6	6° 0	1°34	16°20	29°54	8°37	3°57	19°36	27°45	2°42	4° 9	5°20	8°49	T 3
W 4	9 22 57	22°16'19	22°28	7°40	2°45	16°48	29°51	8°32	4° 0	19°35	27°44	2°35	4° 6	5°27	8°52	W 4
T 5	9 26 54	23°16'41	5♌ 5	9°17	3°55	17°16	29°49	8°28	4° 3	19°34	27°44	2°27	4° 3	5°34	8°55	T 5
F 6	9 30 50	24°17'01	17°57	10°51	5° 5	17°43	29°47	8°23	4° 7	19°34	27°43	2°21	4° 0	5°40	8°58	F 6
S 7	9 34 47	25°17'19	1♍ 3	12°20	6°16	18°10	29°45	8°19	4°10	19°33	27°43	2°15	3°56	5°47	9° 1	S 7
S 8	9 38 43	26°17'36	14°23	13°45	7°26	18°37	29°43	8°14	4°13	19°33	27°42	2°12	3°53	5°54	9° 3	S 8
M 9	9 42 40	27°17'51	27°56	15° 4	8°36	19° 4	29°41	8° 9	4°17	19°33	27°42	2°D11	3°50	6° 0	9° 6	M 9
T 10	9 46 36	28°18'04	11♎38	16°17	9°46	19°31	29°40	8° 5	4°20	19°32	27°41	2°11	3°47	6° 7	9° 9	T 10
W11	9 50 33	29°18'16	25°30	17°24	10°55	19°57	29°39	8° 0	4°23	19°32	27°40	2°12	3°44	6°14	9°12	W11
T 12	9 54 30	0♓18'26	9♏29	18°23	12° 5	20°23	29°38	7°55	4°26	19°31	27°40	2°14	3°40	6°20	9°15	T 12
F 13	9 58 26	1°18'35	23°34	19°15	13°14	20°49	29°37	7°51	4°30	19°31	27°39	2°15	3°37	6°27	9°18	F 13
S 14	10 2 23	2°18'42	7♐44	19°59	14°24	21°15	29°36	7°46	4°33	19°31	27°38	2°R15	3°34	6°34	9°21	S 14
S 15	10 6 19	3°18'48	21°57	20°34	15°33	21°40	29°36	7°41	4°36	19°31	27°38	2°14	3°31	6°41	9°24	S 15
M16	10 10 16	4°18'52	6♑10	21° 0	16°42	22° 5	29°36	7°37	4°39	19°30	27°37	2°11	3°28	6°47	9°28	M16
T 17	10 14 12	5°18'54	20°21	21°17	17°51	22°30	29°D36	7°32	4°42	19°30	27°36	2° 8	3°25	6°54	9°31	T 17
W18	10 18 9	6°18'55	4♒26	21°R25	18°59	22°54	29°36	7°27	4°46	19°30	27°35	2° 4	3°21	7° 1	9°34	W18
T 19	10 22 5	7°18'53	18°20	21°24	20° 8	23°19	29°36	7°22	4°49	19°30	27°34	2° 0	3°18	7° 7	9°37	T 19
F 20	10 26 2	8°18'50	2♓ 1	21°14	21°16	23°43	29°37	7°18	4°52	19°30	27°33	1°57	3°15	7°14	9°40	F 20
S 21	10 29 59	9°18'45	15°25	20°56	22°24	24° 6	29°37	7°13	4°55	19°30	27°32	1°55	3°12	7°21	9°44	S 21
S 22	10 33 55	10°18'38	28°31	20°29	23°32	24°30	29°38	7° 8	4°58	19°D30	27°31	1°D54	3° 9	7°28	9°47	S 22
M23	10 37 52	11°18'29	11♈19	19°56	24°40	24°53	29°39	7° 3	5° 1	19°30	27°30	1°54	3° 6	7°34	9°50	M23
T 24	10 41 48	12°18'17	23°49	19°16	25°48	25°16	29°41	6°59	5° 4	19°30	27°29	1°55	3° 2	7°41	9°54	T 24
W25	10 45 45	13°18'04	6♉ 4	18°30	26°55	25°38	29°42	6°54	5° 7	19°30	27°28	1°57	2°59	7°48	9°57	W25
T 26	10 49 41	14°17'48	18° 7	17°40	28° 2	26° 0	29°44	6°49	5°10	19°30	27°27	1°58	2°56	7°54	10° 0	T 26
F 27	10 53 38	15°17'30	0♊ 2	16°47	29° 9	26°22	29°46	6°44	5°12	19°30	27°26	2° 0	2°53	8° 1	10° 4	F 27
S 28	10 57 34	16♓17'10	11♊54	15♓52	0♉16	26♏44	29♊48	6♍40	5♒15	19♊30	27♎25	2°R 0	2♈50	8♊ 8	10♈ 7	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 7	27n42	4n56	11s18	0s44	0s38	0s21	15s 8	1n27	23n41	0n 9	10n18	2n 8	19s57	0s35	21n53	1s15	4n58	16n47	1n10	1n42	25n40	5n 3	1n42
M 2	14 48	28 39	5 8	10 30	0 34	0 6	0 17	15 17	1 27	23 41	0 9	10 19	2 8	19 56	0 35	21 53	1 15	4 58	16 47	1 7	1 41	25 41	5 4	1 42
T 3	14 28	28 15	5 6	9 42	0 23	0n25	0 13	15 25	1 26	23 42	0 9	10 21	2 8	19 55	0 35	21 53	1 15	4 59	16 48	1 5	1 39	25 43	5 5	1 42
W 4	14 9	26 26	4 51	8 54	0 11	0 57	0 10	15 33	1 26	23 42	0 9	10 23	2 8	19 54	0 35	21 53	1 15	5 0	16 48	1 2	1 38	25 45	5 6	1 42
T 5	13 49	23 17	4 21	8 6	0n 1	1 28	0 6	15 41	1 26	23 42	0 9	10 25	2 8	19 54	0 35	21 53	1 15	5 0	16 49	0 59	1 37	25 46	5 6	1 42
F 6	13 29	18 57	3 37	7 18	0 14	2 0	0 2	15 49	1 25	23 42	0 9	10 27	2 9	19 53	0 35	21 53	1 15	5 1	16 49	0 56	1 36	25 48	5 7	1 42
S 7	13 9	13 39	2 41	6 32	0 28	2 31	0n 2	15 57	1 25	23 42	0 10	10 29	2 9	19 52	0 35	21 53	1 15	5 2	16 50	0 54	1 34	25 50	5 8	1 42
S 8	12 48	7 38	1 35	5 46	0 42	3 3	0 6	16 5	1 25	23 42	0 10	10 30	2 9	19 51	0 35	21 53	1 15	5 2	16 50	0 53	1 33	25 51	5 9	1 41
M 9	12 28	1 11	0 23	5 3	0 56	3 34	0 10	16 13	1 24	23 42	0 10	10 32	2 9	19 51	0 35	21 53	1 15	5 3	16 51	0 52	1 32	25 53	5 11	1 41
T 10	12 7	5s25	0s51	4 21	1 11	4 6	0 14	16 20	1 24	23 42	0 10	10 34	2 9	19 50	0 35	21 53	1 15	5 3	16 51	0 52	1 31	25 54	5 12	1 41
W11	11 46	11 49	2 4	3 41	1 25	4 37	0 18	16 28	1 23	23 42	0 10	10 36	2 9	19 49	0 35	21 53	1 15	5 4	16 52	0 53	1 29	25 56	5 13	1 41
T 12	11 25	17 42	3 10	3 5	1 40	5 8	0 22	16 35	1 23	23 42	0 10	10 38	2 9	19 48	0 35	21 53	1 15	5 5	16 52	0 53	1 28	25 58	5 14	1 41
F 13	11 3	22 41	4 5	2 31	1 55	5 39	0 26	16 42	1 23	23 43	0 10	10 40	2 9	19 47	0 35	21 53	1 15	5 5	16 52	0 54	1 27	25 59	5 15	1 41
S 14	10 42	26 22	4 45	2 1	2 9	6 10	0 30	16 50	1 22	23 43	0 10	10 42	2 9	19 47	0 35	21 53	1 15	5 6	16 53	0 54	1 25	26 1	5 16	1 41
S 15	10 20	28 25	5 8	1 34	2 23	6 41	0 34	16 57	1 22	23 43	0 10	10 43	2 10	19 46	0 35	21 53	1 15	5 7	16 53	0 53	1 24	26 2	5 17	1 41
M16	9 58	28 35	5 12	1 12	2 36	7 11	0 39	17 4	1 21	23 43	0 10	10 45	2 10	19 45	0 35	21 53	1 15	5 8	16 54	0 52	1 23	26 4	5 18	1 40
T 17	9 36	26 53	4 57	0 54	2 48	7 42	0 43	17 10	1 21	23 43	0 11	10 47	2 10	19 44	0 35	21 53	1 15	5 8	16 54	0 51	1 22	26 6	5 19	1 40
W18	9 14	23 31	4 25	0 40	3 0	8 12	0 47	17 17	1 20	23 43	0 11	10 49	2 10	19 44	0 35	21 53	1 15	5 9	16 55	0 49	1 20	26 7	5 20	1 40
T 19	8 52	18 50	3 37	0 31	3 10	8 42	0 52	17 24	1 19	23 43	0 11	10 51	2 10	19 43	0 36	21 53	1 15	5 10	16 55	0 48	1 19	26 9	5 22	1 40
F 20	8 29	13 14	2 37	0 26	3 19	9 12	0 56	17 30	1 19	23 43	0 11	10 53	2 10	19 42	0 36	21 53	1 15	5 10	16 56	0 47	1 18	26 10	5 23	1 40
S 21	8 7	7 8	1 29	0 26	3 27	9 41	1 0	17 37	1 18	23 43	0 11	10 55	2 10	19 42	0 36	21 53	1 14	5 11	16 56	0 46	1 17	26 12	5 24	1 40
S 22	7 44	0 52	0 19	0 31	3 33	10 11	1 5	17 43	1 18	23 43	0 11	10 56	2 10	19 41	0 36	21 53	1 14	5 12	16 56	0 46	1 15	26 13	5 25	1 40
M23	7 21	5n17	0n52	0 41	3 37	10 40	1 9	17 49	1 17	23 43	0 11	10 58	2 10	19 40	0 36	21 53	1 14	5 12	16 57	0 46	1 14	26 15	5 26	1 40
T 24	6 58	11 6	1 58	0 54	3 40	11 9	1 14	17 55	1 16	23 44	0 11	11 0	2 10	19 39	0 36	21 53	1 14	5 13	16 57	0 46	1 13	26 16	5 28	1 40
W25	6 35	16 23	2 57	1 11	3 40	11 38	1 18	18 1	1 16	23 44	0 11	11 2	2 10	19 39	0 36	21 53	1 14	5 14	16 58	0 47	1 12	26 18	5 29	1 39
T 26	6 12	20 57	3 48	1 32	3 39	12 6	1 23	18 7	1 15	23 44	0 11	11 4	2 10	19 38	0 36	21 53	1 14	5 15	16 58	0 47	1 10	26 19	5 30	1 39
F 27	5 49	24 37	4 28	1 56	3 35	12 35	1 27	18 13	1 14	23 44	0 11	11 5	2 10	19 37	0 36	21 53	1 14	5 15	16 58	0 48	1 9	26 21	5 31	1 39
S 28	5s26	27n13	4n57	2s23	3n30	13n 2	1n32	18s19	1n14	23n44	0n12	11n 7	2n10	19s37	0s36	21n54	1s14	5n16	16n59	0n48	1n 8	26n22	5n33	1n39

Julian Day Number = 2175094.5, Delta T = 11m58s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'06, Lahiri = 13°18'07 Julian Calendar 1 Feb. 1243 == Greg. Calendar 8 Feb. 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

MARCH 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 31	17♓16'47	23♊48	14°R57	1♉23	27♏ 5	29♊50	6°R35	5♒18	19♊31	27°R24	2°R 0	2♈46	8♊15	10♈11	S 1
M 2	11 5 28	18°16'22	5♋48	14♓ 1	2°29	27°25	29°53	6♍30	5°21	19°31	27♎23	1♈59	2°43	8°21	10°14	M 2
T 3	11 9 24	19°15'55	17°58	13° 7	3°35	27°46	29°55	6°26	5°24	19°31	27°21	1°58	2°40	8°28	10°18	T 3
W 4	11 13 21	20°15'25	0♌23	12°16	4°41	28° 6	29°58	6°21	5°26	19°32	27°20	1°57	2°37	8°35	10°21	W 4
T 5	11 17 17	21°14'54	13° 6	11°28	5°47	28°25	0♋ 1	6°17	5°29	19°32	27°19	1°55	2°34	8°41	10°25	T 5
F 6	11 21 14	22°14'19	26° 8	10°45	6°52	28°45	0° 4	6°12	5°32	19°32	27°18	1°54	2°31	8°48	10°28	F 6
S 7	11 25 10	23°13'43	9♍30	10° 6	7°57	29° 4	0° 8	6° 8	5°34	19°33	27°16	1°53	2°27	8°55	10°32	S 7
S 8	11 29 7	24°13'04	23°11	9°32	9° 2	29°22	0°11	6° 3	5°37	19°33	27°15	1°52	2°24	9° 1	10°35	S 8
M 9	11 33 3	25°12'24	7♎ 9	9° 4	10° 6	29°40	0°15	5°59	5°40	19°34	27°14	1°D52	2°21	9° 8	10°39	M 9
T 10	11 37 0	26°11'41	21°20	8°42	11°11	29°58	0°19	5°55	5°42	19°34	27°12	1°52	2°18	9°15	10°42	T 10
W11	11 40 56	27°10'57	5♏40	8°25	12°15	0♐15	0°23	5°50	5°45	19°35	27°11	1°53	2°15	9°22	10°46	W11
T 12	11 44 53	28°10'10	20° 4	8°14	13°18	0°32	0°27	5°46	5°47	19°35	27° 9	1°53	2°11	9°28	10°49	T 12
F 13	11 48 50	29° 9'22	4♐27	8°D10	14°22	0°48	0°32	5°42	5°49	19°36	27° 8	1°54	2° 8	9°35	10°53	F 13
S 14	11 52 46	0♈ 8'32	18°46	8°10	15°25	1° 4	0°36	5°38	5°52	19°37	27° 7	1°54	2° 5	9°42	10°57	S 14
S 15	11 56 43	1° 7'40	2♑58	8°17	16°28	1°20	0°41	5°34	5°54	19°37	27° 5	1°R54	2° 2	9°48	11° 0	S 15
M16	12 0 39	2° 6'47	17° 1	8°28	17°30	1°34	0°46	5°30	5°57	19°38	27° 4	1°D54	1°59	9°55	11° 4	M16
T 17	12 4 36	3° 5'52	0♒53	8°45	18°32	1°49	0°51	5°26	5°59	19°39	27° 2	1°54	1°56	10° 2	11° 8	T 17
W18	12 8 32	4° 4'55	14°32	9° 6	19°34	2° 3	0°56	5°22	6° 1	19°40	27° 1	1°54	1°52	10° 9	11°11	W18
T 19	12 12 29	5° 3'56	27°59	9°33	20°36	2°16	1° 2	5°18	6° 3	19°41	26°59	1°54	1°49	10°15	11°15	T 19
F 20	12 16 25	6° 2'55	11♓13	10° 3	21°37	2°29	1° 7	5°14	6° 5	19°41	26°58	1°55	1°46	10°22	11°19	F 20
S 21	12 20 22	7° 1'52	24°13	10°38	22°38	2°41	1°13	5°11	6° 7	19°42	26°56	1°55	1°43	10°29	11°22	S 21
S 22	12 24 19	8° 0'47	7♈ 0	11°17	23°38	2°53	1°19	5° 7	6°10	19°43	26°54	1°R55	1°40	10°35	11°26	S 22
M23	12 28 15	8°59'40	19°33	11°59	24°38	3° 4	1°25	5° 4	6°12	19°44	26°53	1°55	1°37	10°42	11°30	M23
T 24	12 32 12	9°58'31	1♉54	12°46	25°37	3°15	1°31	5° 0	6°14	19°45	26°51	1°54	1°33	10°49	11°33	T 24
W25	12 36 8	10°57'20	14° 4	13°35	26°37	3°25	1°38	4°57	6°16	19°46	26°50	1°53	1°30	10°56	11°37	W25
T 26	12 40 5	11°56'06	26° 5	14°28	27°35	3°34	1°44	4°53	6°17	19°47	26°48	1°51	1°27	11° 2	11°41	T 26
F 27	12 44 1	12°54'51	8♊ 0	15°24	28°34	3°43	1°51	4°50	6°19	19°48	26°46	1°50	1°24	11° 9	11°44	F 27
S 28	12 47 58	13°53'33	19°52	16°23	29°31	3°51	1°58	4°47	6°21	19°49	26°45	1°48	1°21	11°16	11°48	S 28
S 29	12 51 54	14°52'14	1♋45	17°24	0♊29	3°59	2° 4	4°44	6°23	19°51	26°43	1°47	1°17	11°22	11°52	S 29
M30	12 55 51	15°50'52	13°44	18°29	1°25	4° 5	2°12	4°41	6°25	19°52	26°42	1°D47	1°14	11°29	11°55	M30
T 31	12 59 48	16♈49'27	25♋52	19♓35	2♊22	4♐12	2♋19	4♍38	6♒26	19♊53	26♎40	1♈47	1♈11	11♊36	11♈59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 3	28n36	5n13	2s51	3n22	13n30	1n36	18s24	1n13	23n44	0n12	11n 9	2n10	19s36	0s36	21n54	1s14	5n17	16n59	0n48	1n 6	26n24	5n34	1n39
M 2	4 39	28 40	5 15	3 20	3 13	13 57	1 40	18 30	1 12	23 44	0 12	11 11	2 10	19 35	0 36	21 54	1 14	5 18	16 59	0 48	1 5	26 25	5 35	1 39
T 3	4 16	27 21	5 4	3 51	3 3	14 24	1 45	18 35	1 11	23 44	0 12	11 12	2 10	19 35	0 36	21 54	1 14	5 18	17 0	0 47	1 4	26 27	5 36	1 39
W 4	3 53	24 41	4 38	4 21	2 51	14 51	1 49	18 41	1 10	23 44	0 12	11 14	2 10	19 34	0 36	21 54	1 14	5 19	17 0	0 47	1 3	26 28	5 38	1 39
T 5	3 29	20 45	3 58	4 51	2 38	15 17	1 54	18 46	1 9	23 44	0 12	11 16	2 10	19 33	0 36	21 54	1 14	5 20	17 0	0 46	1 1	26 29	5 39	1 39
F 6	3 5	15 46	3 5	5 20	2 25	15 43	1 58	18 51	1 9	23 44	0 12	11 17	2 10	19 33	0 36	21 54	1 14	5 21	17 1	0 45	1 0	26 31	5 40	1 39
S 7	2 42	9 54	2 1	5 48	2 10	16 9	2 3	18 56	1 8	23 45	0 12	11 19	2 10	19 32	0 36	21 54	1 14	5 21	17 1	0 45	0 59	26 32	5 42	1 38
S 8	2 18	3 27	0 48	6 15	1 55	16 34	2 7	19 1	1 7	23 45	0 12	11 21	2 10	19 32	0 36	21 54	1 14	5 22	17 1	0 45	0 58	26 34	5 43	1 38
M 9	1 55	3s18	0s29	6 40	1 40	16 59	2 12	19 6	1 6	23 45	0 12	11 22	2 10	19 31	0 36	21 54	1 14	5 23	17 2	0 45	0 56	26 35	5 44	1 38
T 10	1 31	9 59	1 46	7 2	1 24	17 24	2 16	19 11	1 5	23 45	0 12	11 24	2 10	19 30	0 36	21 54	1 14	5 23	17 2	0 45	0 55	26 37	5 46	1 38
W11	1 7	16 14	2 57	7 23	1 9	17 48	2 20	19 15	1 4	23 45	0 12	11 25	2 10	19 30	0 36	21 54	1 14	5 24	17 2	0 45	0 54	26 38	5 47	1 38
T 12	0 44	21 37	3 56	7 41	0 54	18 12	2 25	19 20	1 3	23 45	0 13	11 27	2 10	19 29	0 36	21 55	1 14	5 25	17 2	0 45	0 53	26 39	5 48	1 38
F 13	0 20	25 44	4 41	7 57	0 39	18 35	2 29	19 24	1 1	23 45	0 13	11 29	2 10	19 29	0 36	21 55	1 13	5 26	17 3	0 45	0 51	26 41	5 50	1 38
S 14	0n 3	28 11	5 9	8 10	0 24	18 58	2 33	19 29	1 0	23 45	0 13	11 30	2 10	19 28	0 36	21 55	1 13	5 26	17 3	0 45	0 50	26 42	5 51	1 38
S 15	0 27	28 47	5 17	8 21	0 10	19 20	2 37	19 33	0 59	23 45	0 13	11 32	2 10	19 27	0 36	21 55	1 13	5 27	17 3	0 45	0 49	26 43	5 52	1 38
M16	0 51	27 31	5 6	8 30	0s 4	19 42	2 41	19 37	0 58	23 45	0 13	11 33	2 10	19 27	0 36	21 55	1 13	5 28	17 3	0 45	0 47	26 45	5 54	1 38
T 17	1 14	24 33	4 37	8 36	0 18	20 4	2 46	19 41	0 57	23 45	0 13	11 34	2 10	19 26	0 36	21 55	1 13	5 29	17 4	0 45	0 46	26 46	5 55	1 38
W18	1 38	20 15	3 53	8 40	0 31	20 25	2 50	19 45	0 55	23 45	0 13	11 36	2 10	19 26	0 36	21 55	1 13	5 29	17 4	0 46	0 45	26 48	5 56	1 38
T 19	2 1	14 59	2 57	8 41	0 43	20 46	2 54	19 49	0 54	23 45	0 13	11 37	2 10	19 25	0 36	21 55	1 13	5 30	17 4	0 46	0 44	26 49	5 58	1 37
F 20	2 25	9 7	1 52	8 40	0 55	21 6	2 58	19 53	0 53	23 45	0 13	11 38	2 10	19 25	0 36	21 55	1 13	5 31	17 4	0 46	0 42	26 50	5 59	1 37
S 21	2 48	2 57	0 43	8 38	1 6	21 26	3 2	19 57	0 51	23 45	0 13	11 40	2 10	19 24	0 36	21 55	1 13	5 31	17 5	0 46	0 41	26 52	6 0	1 37
S 22	3 11	3n13	0n28	8 32	1 16	21 45	3 5	20 0	0 50	23 45	0 13	11 41	2 10	19 24	0 36	21 56	1 13	5 32	17 5	0 46	0 40	26 53	6 2	1 37
M23	3 35	9 10	1 36	8 25	1 26	22 4	3 9	20 4	0 48	23 45	0 13	11 42	2 10	19 23	0 36	21 56	1 13	5 33	17 5	0 46	0 39	26 54	6 3	1 37
T 24	3 58	14 40	2 39	8 16	1 36	22 22	3 13	20 8	0 47	23 45	0 13	11 44	2 10	19 23	0 36	21 56	1 13	5 34	17 5	0 45	0 37	26 55	6 5	1 37
W25	4 21	19 30	3 33	8 5	1 44	22 40	3 17	20 11	0 45	23 45	0 14	11 45	2 10	19 22	0 36	21 56	1 13	5 34	17 5	0 45	0 36	26 57	6 6	1 37
T 26	4 44	23 31	4 17	7 52	1 52	22 57	3 20	20 14	0 44	23 45	0 14	11 46	2 9	19 22	0 36	21 56	1 13	5 35	17 5	0 44	0 35	26 58	6 7	1 37
F 27	5 7	26 29	4 49	7 37	2 0	23 14	3 24	20 18	0 42	23 45	0 14	11 47	2 9	19 22	0 36	21 56	1 13	5 36	17 5	0 44	0 33	26 59	6 9	1 37
S 28	5 30	28 17	5 9	7 21	2 7	23 30	3 27	20 21	0 40	23 45	0 14	11 48	2 9	19 21	0 37	21 56	1 13	5 36	17 6	0 43	0 32	27 1	6 10	1 37
S 29	5 53	28 48	5 16	7 2	2 13	23 46	3 30	20 24	0 39	23 45	0 14	11 49	2 9	19 21	0 37	21 56	1 13	5 37	17 6	0 43	0 31	27 2	6 12	1 37
M30	6 16	27 57	5 9	6 42	2 19	24 1	3 34	20 27	0 37	23 45	0 14	11 50	2 9	19 20	0 37	21 57	1 13	5 38	17 6	0 43	0 30	27 3	6 13	1 37
T 31	6n38	25n47	4n49	6s20	2s24	24n16	3n37	20s30	0n35	23n45	0n14	11n51	2n 9	19s20	0s37	21n57	1s13	5n38	17n 6	0n43	0n28	27n 4	6n14	1n37

Julian Day Number = 2175122.5, Delta T = 11m58s
Ecliptic obliquity = 23°32'25, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'10, Lahiri = 13°18'11 Julian Calendar 1 March 1243 == Greg. Calendar 8 March 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

APRIL 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 3 44	17♈48'01	8♌15	20♓45	3♊18	4♐17	2♋26	4°R35	6♒28	19♊54	26°R38	1♈48	1♈ 8	11♊43	12♈ 3	W 1
T 2	13 7 41	18°46'32	20°57	21°56	4°13	4°22	2°34	4♍32	6°30	19°55	26♎37	1°49	1° 5	11°49	12° 6	T 2
F 3	13 11 37	19°45'01	4♍ 2	23°10	5° 7	4°27	2°41	4°30	6°31	19°57	26°35	1°51	1° 2	11°56	12°10	F 3
S 4	13 15 34	20°43'28	17°30	24°27	6° 1	4°30	2°49	4°27	6°33	19°58	26°33	1°52	0°58	12° 3	12°14	S 4
S 5	13 19 30	21°41'52	1♎23	25°45	6°55	4°33	2°57	4°25	6°34	19°59	26°31	1°R52	0°55	12° 9	12°17	S 5
M 6	13 23 27	22°40'15	15°39	27° 6	7°47	4°35	3° 5	4°22	6°36	20° 1	26°30	1°52	0°52	12°16	12°21	M 6
T 7	13 27 23	23°38'36	0♏13	28°28	8°40	4°37	3°13	4°20	6°37	20° 2	26°28	1°50	0°49	12°23	12°25	T 7
W 8	13 31 20	24°36'55	15° 0	29°53	9°31	4°37	3°21	4°18	6°38	20° 4	26°26	1°48	0°46	12°30	12°28	W 8
T 9	13 35 17	25°35'12	29°52	1♈19	10°22	4°R37	3°30	4°16	6°40	20° 5	26°25	1°45	0°43	12°36	12°32	T 9
F 10	13 39 13	26°33'28	14♐40	2°48	11°12	4°37	3°38	4°14	6°41	20° 6	26°23	1°41	0°39	12°43	12°36	F 10
S 11	13 43 10	27°31'42	29°18	4°18	12° 1	4°35	3°47	4°12	6°42	20° 8	26°21	1°39	0°36	12°50	12°39	S 11
S 12	13 47 6	28°29'55	13♑41	5°51	12°49	4°33	3°55	4°10	6°43	20° 9	26°20	1°37	0°33	12°56	12°43	S 12
M13	13 51 3	29°28'06	27°45	7°25	13°37	4°30	4° 4	4° 8	6°44	20°11	26°18	1°D36	0°30	13° 3	12°46	M13
T 14	13 54 59	0♒26'16	11♒29	9° 1	14°24	4°26	4°13	4° 7	6°45	20°13	26°16	1°36	0°27	13°10	12°50	T 14
W15	13 58 56	1°24'24	24°55	10°39	15°10	4°22	4°22	4° 5	6°46	20°14	26°15	1°38	0°23	13°17	12°53	W15
T 16	14 2 52	2°22'31	8♓ 3	12°19	15°55	4°16	4°32	4° 4	6°47	20°16	26°13	1°39	0°20	13°23	12°57	T 16
F 17	14 6 49	3°20'36	20°56	14° 1	16°39	4°10	4°41	4° 2	6°48	20°17	26°11	1°40	0°17	13°30	13° 0	F 17
S 18	14 10 46	4°18'39	3♈35	15°45	17°22	4° 4	4°50	4° 1	6°49	20°19	26°10	1°R41	0°14	13°37	13° 4	S 18
S 19	14 14 42	5°16'42	16° 3	17°31	18° 4	3°56	5° 0	4° 0	6°50	20°21	26° 8	1°40	0°11	13°44	13° 7	S 19
M20	14 18 39	6°14'42	28°20	19°18	18°45	3°48	5° 9	3°59	6°51	20°22	26° 6	1°37	0° 8	13°50	13°11	M20
T 21	14 22 35	7°12'41	10♉30	21° 7	19°25	3°38	5°19	3°58	6°51	20°24	26° 5	1°33	0° 4	13°57	13°14	T 21
W22	14 26 32	8°10'39	22°32	22°59	20° 4	3°29	5°29	3°57	6°52	20°26	26° 3	1°27	0° 1	14° 4	13°18	W22
T 23	14 30 28	9° 8'35	4♊28	24°52	20°42	3°18	5°39	3°57	6°53	20°28	26° 1	1°20	29♓58	14°10	13°21	T 23
F 24	14 34 25	10° 6'29	16°21	26°47	21°18	3° 7	5°49	3°56	6°53	20°29	26° 0	1°13	29°55	14°17	13°25	F 24
S 25	14 38 21	11° 4'21	28°13	28°44	21°54	2°55	5°59	3°55	6°54	20°31	25°58	1° 6	29°52	14°24	13°28	S 25
S 26	14 42 18	12° 2'12	10♋ 6	0♉43	22°28	2°42	6° 9	3°55	6°54	20°33	25°56	1° 1	29°49	14°31	13°31	S 26
M27	14 46 15	13° 0'01	22° 3	2°43	23° 0	2°29	6°20	3°55	6°54	20°35	25°55	0°57	29°45	14°37	13°35	M27
T 28	14 50 11	13°57'49	4♌10	4°45	23°31	2°15	6°30	3°55	6°55	20°37	25°53	0°55	29°42	14°44	13°38	T 28
W29	14 54 8	14°55'34	16°30	6°49	24° 1	2° 0	6°40	3°D54	6°55	20°39	25°52	0°D54	29°39	14°51	13°41	W29
T 30	14 58 4	15♉53'18	29♌ 7	8♉55	24♊29	1♐45	6♋51	3♍54	6♒55	20♊40	25♎50	0♈55	29♓36	14♊57	13♈44	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 1	22n22	4n14	5s57	2s28	24n30	3n40	20s33	0n33	23n45	0n14	11n52	2n 9	19s20	0s37	21n57	1s13	5n39	17n 6	0n43	0n27	27n 6	6n16	1n37
T 2	7 23	17 50	3 27	5 32	2 32	24 43	3 43	20 36	0 31	23 45	0 14	11 53	2 9	19 19	0 37	21 57	1 13	5 39	17 6	0 44	0 26	27 7	6 17	1 36
F 3	7 45	12 22	2 28	5 6	2 35	24 56	3 46	20 38	0 29	23 45	0 14	11 54	2 9	19 19	0 37	21 57	1 12	5 40	17 6	0 44	0 25	27 8	6 18	1 36
S 4	8 8	6 10	1 18	4 38	2 38	25 9	3 48	20 41	0 27	23 45	0 14	11 55	2 9	19 18	0 37	21 57	1 12	5 41	17 6	0 45	0 23	27 9	6 20	1 36
S 5	8 29	0s31	0 3	4 9	2 40	25 21	3 51	20 44	0 25	23 45	0 14	11 55	2 8	19 18	0 37	21 57	1 12	5 41	17 6	0 45	0 22	27 10	6 21	1 36
M 6	8 51	7 20	1s15	3 38	2 42	25 32	3 53	20 46	0 23	23 45	0 14	11 56	2 8	19 18	0 37	21 58	1 12	5 42	17 6	0 45	0 21	27 12	6 23	1 36
T 7	9 13	13 56	2 30	3 6	2 43	25 43	3 56	20 48	0 21	23 44	0 14	11 57	2 8	19 18	0 37	21 58	1 12	5 42	17 6	0 44	0 20	27 13	6 24	1 36
W 8	9 35	19 50	3 35	2 32	2 43	25 54	3 58	20 51	0 19	23 44	0 14	11 58	2 8	19 17	0 37	21 58	1 12	5 43	17 6	0 43	0 18	27 14	6 25	1 36
T 9	9 56	24 33	4 27	1 58	2 43	26 3	4 0	20 53	0 16	23 44	0 15	11 58	2 8	19 17	0 37	21 58	1 12	5 44	17 6	0 42	0 17	27 15	6 27	1 36
F 10	10 17	27 37	5 0	1 22	2 42	26 13	4 2	20 55	0 14	23 44	0 15	11 59	2 8	19 17	0 37	21 58	1 12	5 44	17 6	0 40	0 16	27 16	6 28	1 36
S 11	10 38	28 46	5 13	0 45	2 41	26 21	4 4	20 57	0 12	23 44	0 15	12 0	2 8	19 16	0 37	21 58	1 12	5 45	17 6	0 39	0 14	27 17	6 29	1 36
S 12	10 59	27 55	5 7	0 6	2 39	26 29	4 6	20 59	0 9	23 44	0 15	12 0	2 8	19 16	0 37	21 59	1 12	5 45	17 6	0 39	0 13	27 19	6 31	1 36
M13	11 20	25 18	4 42	0n33	2 37	26 37	4 7	21 1	0 7	23 43	0 15	12 1	2 7	19 16	0 37	21 59	1 12	5 46	17 6	0 38	0 12	27 20	6 32	1 36
T 14	11 40	21 16	4 1	1 14	2 34	26 44	4 8	21 3	0 4	23 43	0 15	12 1	2 7	19 16	0 37	21 59	1 12	5 46	17 6	0 38	0 11	27 21	6 34	1 36
W15	12 1	16 13	3 8	1 56	2 31	26 50	4 9	21 5	0 2	23 43	0 15	12 1	2 7	19 15	0 37	21 59	1 12	5 47	17 6	0 39	0 9	27 22	6 35	1 36
T 16	12 21	10 32	2 6	2 39	2 27	26 56	4 10	21 6	0s 1	23 43	0 15	12 2	2 7	19 15	0 37	21 59	1 12	5 47	17 6	0 40	0 8	27 23	6 36	1 36
F 17	12 41	4 30	0 58	3 22	2 22	27 2	4 11	21 8	0 4	23 43	0 15	12 2	2 7	19 15	0 37	21 59	1 12	5 48	17 6	0 40	0 7	27 24	6 38	1 36
S 18	13 1	1n35	0n10	4 7	2 17	27 7	4 12	21 9	0 6	23 42	0 15	12 3	2 7	19 15	0 37	21 59	1 12	5 48	17 6	0 40	0 6	27 25	6 39	1 36
S 19	13 20	7 32	1 18	4 53	2 11	27 11	4 12	21 10	0 9	23 42	0 15	12 3	2 7	19 15	0 37	22 0	1 12	5 49	17 5	0 40	0 4	27 26	6 40	1 36
M20	13 40	13 7	2 20	5 39	2 5	27 15	4 12	21 12	0 12	23 42	0 15	12 3	2 6	19 15	0 37	22 0	1 12	5 49	17 5	0 39	0 3	27 28	6 42	1 36
T 21	13 59	18 7	3 15	6 27	1 59	27 18	4 12	21 13	0 15	23 41	0 15	12 3	2 6	19 14	0 37	22 0	1 12	5 50	17 5	0 37	0 2	27 29	6 43	1 36
W22	14 18	22 22	4 1	7 15	1 52	27 21	4 12	21 14	0 18	23 41	0 15	12 3	2 6	19 14	0 37	22 0	1 12	5 50	17 5	0 35	0 0	27 30	6 44	1 36
T 23	14 36	25 39	4 36	8 3	1 44	27 24	4 12	21 15	0 21	23 41	0 16	12 4	2 6	19 14	0 37	22 0	1 12	5 51	17 5	0 32	0s 1	27 31	6 46	1 36
F 24	14 55	27 48	4 59	8 52	1 36	27 26	4 11	21 15	0 24	23 40	0 16	12 4	2 6	19 14	0 37	22 0	1 12	5 51	17 5	0 29	0 2	27 32	6 47	1 36
S 25	15 13	28 40	5 9	9 42	1 28	27 27	4 10	21 16	0 27	23 40	0 16	12 4	2 6	19 14	0 38	22 1	1 12	5 51	17 5	0 27	0 3	27 33	6 48	1 36
S 26	15 31	28 14	5 5	10 32	1 19	27 28	4 9	21 17	0 30	23 39	0 16	12 4	2 6	19 14	0 38	22 1	1 12	5 52	17 4	0 24	0 5	27 34	6 49	1 35
M27	15 48	26 28	4 49	11 22	1 10	27 28	4 7	21 17	0 33	23 39	0 16	12 4	2 5	19 14	0 38	22 1	1 12	5 52	17 4	0 23	0 6	27 35	6 51	1 35
T 28	16 6	23 29	4 19	12 13	1 0	27 28	4 5	21 17	0 36	23 39	0 16	12 4	2 5	19 14	0 38	22 1	1 11	5 52	17 4	0 22	0 7	27 36	6 52	1 35
W29	16 23	19 24	3 37	13 3	0 50	27 27	4 3	21 18	0 40	23 38	0 16	12 3	2 5	19 14	0 38	22 1	1 11	5 53	17 4	0 22	0 8	27 37	6 53	1 35
T 30	16n40	14n23	2n43	13n53	0s40	27n26	4n 1	21s18	0s43	23n38	0n16	12n 3	2n 5	19s14	0s38	22n 1	1s11	5n53	17n 3	0n22	0s10	27n38	6n54	1n35

Julian Day Number = 2175153.5, Delta T = 11m58s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'14, Lahiri = 13°18'15 Julian Calendar 1 Apr. 1243 == Greg. Calendar 8 Apr. 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

MAY 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 2 1	16♉51'01	12♍ 7	11♉ 2	24♊55	1°R29	7♋ 2	3♍55	6♒56	20♊42	25°R48	0♈56	29♓33	15♊ 4	13♈48	F 1
S 2	15 5 57	17°48'41	25°33	13°10	25°20	1♐13	7°12	3°55	6°56	20°44	25♎47	0°R57	29°29	15°11	13°51	S 2
S 3	15 9 54	18°46'20	9♎27	15°19	25°43	0°56	7°23	3°55	6°56	20°46	25°45	0°57	29°26	15°18	13°54	S 3
M 4	15 13 50	19°43'57	23°48	17°29	26° 5	0°38	7°34	3°56	6°56	20°48	25°44	0°55	29°23	15°24	13°57	M 4
T 5	15 17 47	20°41'33	8♏34	19°40	26°24	0°21	7°45	3°56	6°R56	20°50	25°42	0°51	29°20	15°31	14° 0	T 5
W 6	15 21 44	21°39'08	23°37	21°52	26°42	0° 2	7°56	3°57	6°56	20°52	25°41	0°45	29°17	15°38	14° 3	W 6
T 7	15 25 40	22°36'42	8♐49	24° 4	26°57	29♏44	8° 7	3°57	6°56	20°54	25°39	0°37	29°14	15°44	14° 6	T 7
F 8	15 29 37	23°34'15	23°59	26°15	27°11	29°25	8°18	3°58	6°56	20°56	25°38	0°30	29°10	15°51	14°10	F 8
S 9	15 33 33	24°31'46	8♑58	28°27	27°23	29° 5	8°30	3°59	6°56	20°58	25°37	0°23	29° 7	15°58	14°13	S 9
S 10	15 37 30	25°29'17	23°36	0♊37	27°32	28°46	8°41	4° 0	6°55	21° 0	25°35	0°17	29° 4	16° 5	14°16	S 10
M11	15 41 26	26°26'47	7♒50	2°47	27°39	28°26	8°52	4° 1	6°55	21° 2	25°34	0°13	29° 1	16°11	14°18	M11
T 12	15 45 23	27°24'15	21°38	4°56	27°44	28° 6	9° 4	4° 3	6°55	21° 4	25°32	0°D12	28°58	16°18	14°21	T 12
W13	15 49 19	28°21'43	5♓ 0	7° 3	27°47	27°46	9°16	4° 4	6°54	21° 7	25°31	0°12	28°55	16°25	14°24	W13
T 14	15 53 16	29°19'11	18° 1	9° 9	27°R48	27°25	9°27	4° 6	6°54	21° 9	25°30	0°13	28°51	16°31	14°27	T 14
F 15	15 57 13	0♊16'37	0♈42	11°13	27°46	27° 5	9°39	4° 7	6°53	21°11	25°28	0°R13	28°48	16°38	14°30	F 15
S 16	16 1 9	1°14'03	13° 8	13°15	27°42	26°45	9°51	4° 9	6°53	21°13	25°27	0°12	28°45	16°45	14°33	S 16
S 17	16 5 6	2°11'28	25°22	15°15	27°35	26°24	10° 2	4°10	6°52	21°15	25°26	0° 9	28°42	16°52	14°35	S 17
M18	16 9 2	3° 8'52	7♉28	17°13	27°26	26° 4	10°14	4°12	6°52	21°17	25°25	0° 4	28°39	16°58	14°38	M18
T 19	16 12 59	4° 6'16	19°27	19° 9	27°15	25°44	10°26	4°14	6°51	21°19	25°23	29♓56	28°35	17° 5	14°41	T 19
W20	16 16 55	5° 3'38	1♊22	21° 2	27° 1	25°24	10°38	4°16	6°50	21°21	25°22	29°45	28°32	17°12	14°43	W20
T 21	16 20 52	6° 1'00	13°15	22°52	26°45	25° 4	10°50	4°18	6°50	21°24	25°21	29°33	28°29	17°19	14°46	T 21
F 22	16 24 48	6°58'22	25° 7	24°41	26°26	24°44	11° 2	4°21	6°49	21°26	25°20	29°21	28°26	17°25	14°49	F 22
S 23	16 28 45	7°55'42	6♋59	26°27	26° 6	24°25	11°15	4°23	6°48	21°28	25°19	29° 9	28°23	17°32	14°51	S 23
S 24	16 32 42	8°53'01	18°54	28°10	25°43	24° 6	11°27	4°25	6°47	21°30	25°18	28°59	28°20	17°39	14°54	S 24
M25	16 36 38	9°50'20	0♌53	29°50	25°17	23°48	11°39	4°28	6°46	21°32	25°16	28°50	28°16	17°45	14°56	M25
T 26	16 40 35	10°47'38	13° 1	1♋28	24°50	23°30	11°51	4°31	6°45	21°35	25°15	28°45	28°13	17°52	14°59	T 26
W27	16 44 31	11°44'54	25°20	3° 4	24°21	23°13	12° 4	4°33	6°44	21°37	25°14	28°42	28°10	17°59	15° 1	W27
T 28	16 48 28	12°42'10	7♍55	4°37	23°51	22°56	12°16	4°36	6°43	21°39	25°13	28°D40	28° 7	18° 6	15° 3	T 28
F 29	16 52 24	13°39'25	20°50	6° 7	23°18	22°39	12°29	4°39	6°42	21°41	25°12	28°40	28° 4	18°12	15° 5	F 29
S 30	16 56 21	14°36'39	4♎ 9	7°35	22°45	22°23	12°41	4°42	6°41	21°43	25°11	28°R40	28° 1	18°19	15° 8	S 30
S 31	17 0 17	15♊33'52	17♎56	9♋ 0	22♊10	22♏ 8	12♋54	4♍45	6♒40	21♊46	25♎10	28♓39	27♓57	18♊26	15♈10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n56	8n35	1n40	14n43	0s30	27n25	3n58	21s18	0s46	23n37	0n16	12n 3	2n 5	19s14	0s38	22n 2	1s11	5n53	17n 3	0n22	0s11	27n39	6n56	1n35
S 2	17 13	2 13	0 29	15 33	0 20	27 22	3 55	21 18	0 49	23 37	0 16	12 3	2 5	19 14	0 38	22 2	1 11	5 54	17 3	0 23	0 12	27 40	6 57	1 35
S 3	17 29	4s28	0s46	16 21	0 9	27 20	3 52	21 17	0 53	23 36	0 16	12 3	2 4	19 14	0 38	22 2	1 11	5 54	17 3	0 23	0 13	27 41	6 58	1 35
M 4	17 45	11 8	2 0	17 9	0n 1	27 17	3 48	21 17	0 56	23 36	0 16	12 2	2 4	19 14	0 38	22 2	1 11	5 54	17 2	0 22	0 15	27 42	6 59	1 35
T 5	18 0	17 23	3 8	17 55	0 12	27 13	3 44	21 17	0 59	23 35	0 16	12 2	2 4	19 14	0 38	22 2	1 11	5 55	17 2	0 20	0 16	27 43	7 1	1 35
W 6	18 15	22 42	4 5	18 40	0 22	27 10	3 40	21 16	1 3	23 34	0 16	12 2	2 4	19 14	0 38	22 2	1 11	5 55	17 2	0 18	0 17	27 44	7 2	1 35
T 7	18 30	26 33	4 44	19 24	0 33	27 5	3 35	21 15	1 6	23 34	0 16	12 1	2 4	19 14	0 38	22 3	1 11	5 55	17 2	0 15	0 19	27 45	7 3	1 35
F 8	18 45	28 28	5 4	20 5	0 43	27 0	3 30	21 14	1 10	23 33	0 17	12 1	2 4	19 14	0 38	22 3	1 11	5 55	17 1	0 12	0 20	27 46	7 4	1 35
S 9	18 59	28 16	5 2	20 45	0 52	26 55	3 24	21 13	1 13	23 33	0 17	12 0	2 3	19 14	0 38	22 3	1 11	5 56	17 1	0 9	0 21	27 47	7 5	1 35
S 10	19 13	26 5	4 41	21 22	1 2	26 49	3 18	21 12	1 16	23 32	0 17	12 0	2 3	19 14	0 38	22 3	1 11	5 56	17 1	0 7	0 22	27 48	7 6	1 35
M11	19 26	22 18	4 3	21 58	1 11	26 43	3 12	21 11	1 20	23 31	0 17	11 59	2 3	19 14	0 38	22 3	1 11	5 56	17 0	0 5	0 24	27 49	7 8	1 35
T 12	19 40	17 22	3 11	22 30	1 19	26 36	3 5	21 10	1 23	23 30	0 17	11 58	2 3	19 14	0 38	22 3	1 11	5 56	17 0	0 5	0 25	27 50	7 9	1 35
W13	19 53	11 44	2 11	23 0	1 27	26 29	2 58	21 9	1 26	23 30	0 17	11 58	2 3	19 14	0 38	22 4	1 11	5 56	17 0	0 5	0 26	27 50	7 10	1 35
T 14	20 5	5 45	1 5	23 28	1 34	26 21	2 50	21 7	1 30	23 29	0 17	11 57	2 3	19 15	0 38	22 4	1 11	5 56	16 59	0 5	0 27	27 51	7 11	1 35
F 15	20 18	0n19	0n 3	23 53	1 40	26 13	2 42	21 6	1 33	23 28	0 17	11 56	2 3	19 15	0 38	22 4	1 11	5 56	16 59	0 5	0 29	27 52	7 12	1 35
S 16	20 30	6 15	1 8	24 15	1 46	26 4	2 33	21 4	1 36	23 27	0 17	11 56	2 2	19 15	0 38	22 4	1 11	5 57	16 59	0 5	0 30	27 53	7 13	1 35
S 17	20 41	11 52	2 10	24 34	1 51	25 55	2 24	21 3	1 39	23 27	0 17	11 55	2 2	19 15	0 38	22 4	1 11	5 57	16 58	0 4	0 31	27 54	7 14	1 35
M18	20 52	16 58	3 5	24 51	1 56	25 45	2 14	21 1	1 43	23 26	0 17	11 54	2 2	19 15	0 38	22 4	1 11	5 57	16 58	0 2	0 32	27 55	7 15	1 35
T 19	21 3	21 22	3 51	25 5	1 59	25 35	2 4	20 59	1 46	23 25	0 17	11 53	2 2	19 15	0 38	22 4	1 11	5 57	16 57	0s 2	0 34	27 56	7 16	1 35
W20	21 14	24 52	4 26	25 16	2 2	25 24	1 54	20 57	1 49	23 24	0 17	11 52	2 2	19 16	0 38	22 5	1 11	5 57	16 57	0 6	0 35	27 57	7 17	1 35
T 21	21 24	27 16	4 50	25 25	2 5	25 13	1 43	20 55	1 52	23 23	0 17	11 51	2 2	19 16	0 38	22 5	1 11	5 57	16 57	0 11	0 36	27 57	7 18	1 35
F 22	21 34	28 27	5 1	25 32	2 6	25 1	1 31	20 54	1 55	23 22	0 18	11 50	2 1	19 16	0 38	22 5	1 11	5 57	16 56	0 16	0 38	27 58	7 19	1 35
S 23	21 43	28 20	4 59	25 36	2 7	24 48	1 19	20 52	1 58	23 21	0 18	11 49	2 1	19 16	0 39	22 5	1 11	5 57	16 56	0 20	0 39	27 59	7 20	1 35
S 24	21 52	26 53	4 44	25 38	2 6	24 35	1 7	20 50	2 1	23 20	0 18	11 48	2 1	19 17	0 39	22 5	1 11	5 57	16 55	0 25	0 40	28 0	7 21	1 35
M25	22 1	24 13	4 16	25 38	2 6	24 22	0 55	20 48	2 4	23 19	0 18	11 47	2 1	19 17	0 39	22 5	1 11	5 57	16 55	0 28	0 41	28 1	7 22	1 35
T 26	22 9	20 27	3 37	25 36	2 4	24 8	0 42	20 46	2 7	23 18	0 18	11 46	2 1	19 17	0 39	22 6	1 11	5 57	16 55	0 30	0 43	28 1	7 23	1 35
W27	22 17	15 45	2 47	25 32	2 2	23 54	0 28	20 44	2 9	23 17	0 18	11 45	2 1	19 17	0 39	22 6	1 11	5 57	16 54	0 31	0 44	28 2	7 24	1 35
T 28	22 25	10 18	1 48	25 26	1 59	23 39	0 15	20 43	2 12	23 16	0 18	11 44	2 0	19 18	0 39	22 6	1 11	5 57	16 54	0 32	0 45	28 3	7 25	1 35
F 29	22 32	4 17	0 41	25 19	1 55	23 23	0 1	20 41	2 15	23 15	0 18	11 43	2 0	19 18	0 39	22 6	1 11	5 57	16 53	0 32	0 46	28 4	7 26	1 35
S 30	22 39	2s 6	0s29	25 10	1 51	23 8	0s13	20 39	2 17	23 14	0 18	11 41	2 0	19 18	0 39	22 6	1 11	5 56	16 53	0 32	0 48	28 5	7 27	1 35
S 31	22n45	8s36	1s40	24n59	1n45	22n52	0s27	20s38	2s20	23n13	0n18	11n40	2n 0	19s19	0s39	22n 6	1s11	5n56	16n52	0s32	0s49	28n 5	7n28	1n35

Julian Day Number = 2175183.5, Delta T = 11m58s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'19, Lahiri = 13°18'19 Julian Calendar 1 May 1243 == Greg. Calendar 8 May 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

JUNE 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 4 14	16♊31'05	2♏12	10♋22	21°R34	21°R54	13♋ 6	4♍48	6°R39	21♊48	25°R10	28°R36	27♓54	18♊32	15♈12	M 1
T 2	17 8 11	17°28'17	16°55	11°41	20♊57	21♏40	13°19	4°52	6♒37	21°50	25♎ 9	28♓30	27°51	18°39	15°14	T 2
W 3	17 12 7	18°25'28	2♐ 0	12°58	20°19	21°26	13°32	4°55	6°36	21°52	25° 8	28°22	27°48	18°46	15°16	W 3
T 4	17 16 4	19°22'39	17°17	14°11	19°42	21°14	13°44	4°58	6°35	21°55	25° 7	28°12	27°45	18°53	15°18	T 4
F 5	17 20 0	20°19'50	2♑37	15°22	19° 4	21° 2	13°57	5° 2	6°33	21°57	25° 6	28° 2	27°41	18°59	15°20	F 5
S 6	17 23 57	21°17'00	17°48	16°30	18°27	20°51	14°10	5° 5	6°32	21°59	25° 6	27°52	27°38	19° 6	15°22	S 6
S 7	17 27 53	22°14'10	2♒39	17°35	17°50	20°41	14°23	5° 9	6°30	22° 1	25° 5	27°44	27°35	19°13	15°24	S 7
M 8	17 31 50	23°11'20	17° 4	18°37	17°13	20°31	14°35	5°13	6°29	22° 3	25° 4	27°38	27°32	19°20	15°26	M 8
T 9	17 35 47	24° 8'30	0♓59	19°35	16°38	20°23	14°48	5°17	6°27	22° 6	25° 4	27°35	27°29	19°26	15°28	T 9
W10	17 39 43	25° 5'40	14°26	20°30	16° 3	20°15	15° 1	5°21	6°26	22° 8	25° 3	27°33	27°26	19°33	15°30	W10
T 11	17 43 40	26° 2'50	27°27	21°22	15°30	20° 8	15°14	5°25	6°24	22°10	25° 2	27°33	27°22	19°40	15°31	T 11
F 12	17 47 36	27° 0'01	10♈ 5	22°10	14°59	20° 1	15°27	5°29	6°22	22°12	25° 2	27°33	27°19	19°46	15°33	F 12
S 13	17 51 33	27°57'11	22°26	22°55	14°29	19°56	15°40	5°33	6°21	22°15	25° 1	27°31	27°16	19°53	15°34	S 13
S 14	17 55 29	28°54'22	4♉35	23°36	14° 1	19°51	15°53	5°37	6°19	22°17	25° 1	27°28	27°13	20° 0	15°36	S 14
M15	17 59 26	29°51'33	16°34	24°13	13°35	19°48	16° 6	5°42	6°17	22°19	25° 0	27°22	27°10	20° 7	15°38	M15
T 16	18 3 22	0♋48'44	28°28	24°46	13°11	19°45	16°19	5°46	6°16	22°21	25° 0	27°13	27° 7	20°13	15°39	T 16
W17	18 7 19	1°45'55	10♊20	25°15	12°49	19°42	16°32	5°51	6°14	22°24	24°59	27° 1	27° 3	20°20	15°40	W17
T 18	18 11 16	2°43'07	22°11	25°40	12°29	19°41	16°46	5°55	6°12	22°26	24°59	26°48	27° 0	20°27	15°42	T 18
F 19	18 15 12	3°40'18	4♋ 4	26° 0	12°12	19°D41	16°59	6° 0	6°10	22°28	24°59	26°34	26°57	20°34	15°43	F 19
S 20	18 19 9	4°37'30	16° 0	26°16	11°57	19°41	17°12	6° 5	6° 8	22°30	24°58	26°21	26°54	20°40	15°44	S 20
S 21	18 23 5	5°34'42	28° 0	26°27	11°45	19°43	17°25	6° 9	6° 6	22°32	24°58	26° 9	26°51	20°47	15°46	S 21
M22	18 27 2	6°31'54	10♌ 6	26°33	11°34	19°45	17°38	6°14	6° 4	22°35	24°58	25°59	26°47	20°54	15°47	M22
T 23	18 30 58	7°29'06	22°20	26°R35	11°26	19°48	17°52	6°19	6° 2	22°37	24°58	25°53	26°44	21° 0	15°48	T 23
W24	18 34 55	8°26'18	4♍45	26°32	11°21	19°51	18° 5	6°24	6° 0	22°39	24°57	25°49	26°41	21° 7	15°49	W24
T 25	18 38 51	9°23'30	17°23	26°24	11°18	19°56	18°18	6°29	5°58	22°41	24°57	25°47	26°38	21°14	15°50	T 25
F 26	18 42 48	10°20'42	0♎18	26°12	11°D17	20° 1	18°31	6°34	5°56	22°43	24°57	25°D47	26°35	21°21	15°51	F 26
S 27	18 46 45	11°17'54	13°34	25°55	11°18	20° 7	18°45	6°40	5°54	22°45	24°57	25°R47	26°32	21°27	15°52	S 27
S 28	18 50 41	12°15'06	27°14	25°33	11°22	20°14	18°58	6°45	5°52	22°48	24°57	25°46	26°28	21°34	15°53	S 28
M29	18 54 38	13°12'19	11♏19	25° 8	11°28	20°22	19°11	6°50	5°50	22°50	24°D57	25°44	26°25	21°41	15°53	M29
T 30	18 58 34	14♋ 9'32	25♏50	24♋38	11♊36	20♏31	19♋24	6♍56	5♒48	22♊52	24♎57	25♓39	26♓22	21♊47	15♈54	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n51	14s54	2s47	24n47	1n40	22n35	0s41	20s36	2s22	23n12	0n18	11n39	2n 0	19s19	0s39	22n 6	1s11	5n56	16n52	0s34	0s50	28n 6	7n28	1n35
T 2	22 57	20 34	3 46	24 34	1 33	22 19	0 55	20 35	2 24	23 10	0 18	11 37	2 0	19 19	0 39	22 7	1 11	5 56	16 51	0 36	0 52	28 7	7 29	1 35
W 3	23 2	25 3	4 30	24 20	1 26	22 2	1 9	20 33	2 27	23 9	0 18	11 36	2 0	19 20	0 39	22 7	1 11	5 56	16 51	0 39	0 53	28 8	7 30	1 35
T 4	23 7	27 49	4 55	24 5	1 18	21 45	1 23	20 32	2 29	23 8	0 18	11 35	1 59	19 20	0 39	22 7	1 11	5 56	16 50	0 43	0 54	28 8	7 31	1 35
F 5	23 11	28 30	4 59	23 49	1 10	21 29	1 37	20 31	2 31	23 7	0 19	11 33	1 59	19 20	0 39	22 7	1 11	5 56	16 50	0 47	0 55	28 9	7 32	1 35
S 6	23 15	27 1	4 43	23 32	1 1	21 12	1 51	20 30	2 33	23 5	0 19	11 32	1 59	19 21	0 39	22 7	1 11	5 55	16 49	0 51	0 57	28 10	7 32	1 35
S 7	23 19	23 39	4 7	23 14	0 52	20 55	2 4	20 29	2 35	23 4	0 19	11 30	1 59	19 21	0 39	22 7	1 11	5 55	16 49	0 54	0 58	28 10	7 33	1 35
M 8	23 22	18 54	3 16	22 56	0 42	20 39	2 17	20 29	2 37	23 3	0 19	11 29	1 59	19 22	0 39	22 8	1 11	5 55	16 48	0 57	0 59	28 11	7 34	1 35
T 9	23 25	13 17	2 15	22 37	0 31	20 23	2 30	20 28	2 39	23 2	0 19	11 27	1 59	19 22	0 39	22 8	1 11	5 55	16 48	0 58	1 0	28 12	7 35	1 35
W10	23 27	7 12	1 9	22 18	0 20	20 7	2 42	20 28	2 41	23 0	0 19	11 26	1 59	19 22	0 39	22 8	1 11	5 54	16 47	0 59	1 2	28 12	7 35	1 35
T 11	23 29	1 2	0 1	21 58	0 8	19 52	2 54	20 27	2 42	22 59	0 19	11 24	1 58	19 23	0 39	22 8	1 11	5 54	16 47	0 59	1 3	28 13	7 36	1 35
F 12	23 30	5n 1	1n 6	21 38	0s 4	19 37	3 6	20 27	2 44	22 57	0 19	11 22	1 58	19 23	0 39	22 8	1 11	5 54	16 46	0 59	1 4	28 14	7 37	1 35
S 13	23 31	10 44	2 7	21 18	0 17	19 23	3 17	20 27	2 46	22 56	0 19	11 21	1 58	19 24	0 39	22 8	1 11	5 53	16 46	0 59	1 5	28 14	7 37	1 35
S 14	23 32	15 57	3 2	20 58	0 30	19 9	3 27	20 27	2 47	22 54	0 19	11 19	1 58	19 24	0 39	22 8	1 11	5 53	16 45	1 1	1 7	28 15	7 38	1 35
M15	23 32	20 30	3 48	20 39	0 44	18 56	3 37	20 28	2 49	22 53	0 19	11 17	1 58	19 25	0 39	22 8	1 11	5 53	16 44	1 3	1 8	28 16	7 38	1 35
T 16	23 32	24 11	4 23	20 19	0 58	18 44	3 46	20 28	2 50	22 51	0 19	11 16	1 58	19 25	0 39	22 9	1 11	5 52	16 44	1 7	1 9	28 16	7 39	1 35
W17	23 32	26 49	4 47	20 0	1 12	18 32	3 55	20 29	2 51	22 50	0 19	11 14	1 58	19 26	0 39	22 9	1 11	5 52	16 43	1 11	1 11	28 17	7 40	1 35
T 18	23 31	28 16	4 58	19 41	1 26	18 22	4 4	20 30	2 52	22 48	0 20	11 12	1 58	19 26	0 39	22 9	1 11	5 52	16 43	1 17	1 12	28 18	7 40	1 35
F 19	23 29	28 25	4 57	19 23	1 41	18 12	4 11	20 31	2 54	22 47	0 20	11 10	1 57	19 27	0 39	22 9	1 11	5 51	16 42	1 22	1 13	28 18	7 41	1 35
S 20	23 28	27 15	4 42	19 5	1 56	18 3	4 18	20 32	2 55	22 45	0 20	11 8	1 57	19 27	0 39	22 9	1 11	5 51	16 42	1 28	1 14	28 19	7 41	1 35
S 21	23 25	24 49	4 15	18 48	2 11	17 55	4 25	20 33	2 56	22 44	0 20	11 6	1 57	19 28	0 39	22 9	1 11	5 50	16 41	1 32	1 16	28 19	7 42	1 35
M22	23 23	21 15	3 36	18 32	2 26	17 47	4 31	20 35	2 57	22 42	0 20	11 4	1 57	19 28	0 39	22 9	1 11	5 50	16 41	1 36	1 17	28 20	7 42	1 35
T 23	23 20	16 45	2 47	18 17	2 41	17 41	4 37	20 37	2 58	22 40	0 20	11 2	1 57	19 29	0 39	22 9	1 11	5 49	16 40	1 39	1 18	28 20	7 43	1 35
W24	23 16	11 30	1 49	18 3	2 56	17 35	4 42	20 39	2 59	22 39	0 20	11 0	1 57	19 29	0 39	22 10	1 11	5 49	16 39	1 40	1 19	28 21	7 43	1 35
T 25	23 12	5 41	0 44	17 51	3 10	17 30	4 46	20 41	3 0	22 37	0 20	10 58	1 57	19 30	0 39	22 10	1 11	5 48	16 39	1 41	1 21	28 22	7 43	1 35
F 26	23 8	0s29	0s24	17 39	3 25	17 26	4 50	20 43	3 0	22 35	0 20	10 56	1 57	19 30	0 39	22 10	1 11	5 48	16 38	1 41	1 22	28 22	7 44	1 36
S 27	23 3	6 48	1 33	17 29	3 38	17 22	4 54	20 45	3 1	22 33	0 20	10 54	1 57	19 31	0 39	22 10	1 11	5 47	16 38	1 41	1 23	28 23	7 44	1 36
S 28	22 58	12 59	2 38	17 20	3 51	17 20	4 57	20 48	3 2	22 32	0 20	10 52	1 56	19 31	0 40	22 10	1 11	5 47	16 37	1 41	1 24	28 23	7 44	1 36
M29	22 53	18 43	3 37	17 13	4 3	17 18	5 0	20 51	3 2	22 30	0 20	10 50	1 56	19 32	0 40	22 10	1 11	5 46	16 37	1 42	1 26	28 24	7 45	1 36
T 30	22n47	23s33	4s23	17n 7	4s14	17n17	5s 2	20s53	3s 3	22n28	0n21	10n48	1n56	19s32	0s40	22n10	1s11	5n46	16n36	1s44	1s27	28n24	7n45	1n36

Julian Day Number = 2175214.5, Delta T = 11m58s
Ecliptic obliquity = 23°32'24, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'23, Lahiri = 13°18'23 Julian Calendar 1 June 1243 == Greg. Calendar 8 June 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

JULY 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 2 31	15♋ 6'45	10♐43	24°R 5	11♊46	20♏40	19♋38	7♍ 1	5°R45	22♊54	24♎57	25°R32	26♓19	21♊54	15♈55	W 1
T 2	19 6 27	16° 3'58	25°50	23♋29	11°59	20°50	19°51	7° 7	5♒43	22°56	24°57	25♓23	26°16	22° 1	15°56	T 2
F 3	19 10 24	17° 1'12	11♑ 3	22°50	12°13	21° 1	20° 4	7°12	5°41	22°58	24°57	25°13	26°13	22° 8	15°56	F 3
S 4	19 14 21	17°58'26	26°11	22° 9	12°29	21°12	20°18	7°18	5°39	23° 0	24°58	25° 4	26° 9	22°14	15°57	S 4
S 5	19 18 17	18°55'41	11♒ 3	21°27	12°47	21°24	20°31	7°24	5°36	23° 2	24°58	24°56	26° 6	22°21	15°57	S 5
M 6	19 22 14	19°52'57	25°33	20°45	13° 7	21°37	20°44	7°30	5°34	23° 4	24°58	24°51	26° 3	22°28	15°58	M 6
T 7	19 26 10	20°50'13	9♓34	20° 3	13°29	21°51	20°58	7°35	5°32	23° 6	24°58	24°48	26° 0	22°35	15°58	T 7
W 8	19 30 7	21°47'31	23° 7	19°21	13°53	22° 5	21°11	7°41	5°30	23° 8	24°59	24°D47	25°57	22°41	15°58	W 8
T 9	19 34 3	22°44'49	6♈12	18°42	14°18	22°20	21°24	7°47	5°27	23°10	24°59	24°47	25°53	22°48	15°58	T 9
F 10	19 38 0	23°42'08	18°53	18° 5	14°45	22°35	21°38	7°53	5°25	23°12	24°59	24°R48	25°50	22°55	15°59	F 10
S 11	19 41 56	24°39'29	1♉16	17°31	15°13	22°51	21°51	7°59	5°23	23°14	25° 0	24°47	25°47	23° 1	15°59	S 11
S 12	19 45 53	25°36'51	13°23	17° 1	15°43	23° 8	22° 4	8° 5	5°20	23°16	25° 0	24°46	25°44	23° 8	15°59	S 12
M13	19 49 50	26°34'13	25°21	16°35	16°14	23°25	22°18	8°12	5°18	23°18	25° 1	24°42	25°41	23°15	15°R59	M13
T 14	19 53 46	27°31'37	7♊14	16°14	16°47	23°43	22°31	8°18	5°16	23°20	25° 1	24°36	25°38	23°22	15°59	T 14
W15	19 57 43	28°29'03	19° 5	15°59	17°21	24° 2	22°44	8°24	5°13	23°22	25° 2	24°28	25°34	23°28	15°59	W15
T 16	20 1 39	29°26'29	0♋58	15°50	17°56	24°21	22°57	8°30	5°11	23°24	25° 2	24°18	25°31	23°35	15°59	T 16
F 17	20 5 36	0♌23'56	12°55	15°D46	18°33	24°40	23°11	8°37	5° 8	23°26	25° 3	24° 8	25°28	23°42	15°59	F 17
S 18	20 9 32	1°21'25	24°57	15°49	19°10	25° 1	23°24	8°43	5° 6	23°28	25° 4	23°58	25°25	23°49	15°58	S 18
S 19	20 13 29	2°18'54	7♌ 6	15°59	19°49	25°21	23°37	8°50	5° 4	23°29	25° 4	23°49	25°22	23°55	15°58	S 19
M20	20 17 25	3°16'24	19°24	16°15	20°29	25°43	23°50	8°56	5° 1	23°31	25° 5	23°42	25°19	24° 2	15°58	M20
T 21	20 21 22	4°13'56	1♍51	16°38	21°10	26° 5	24° 4	9° 3	4°59	23°33	25° 6	23°38	25°15	24° 9	15°57	T 21
W22	20 25 19	5°11'28	14°29	17° 7	21°52	26°27	24°17	9° 9	4°56	23°35	25° 6	23°36	25°12	24°15	15°57	W22
T 23	20 29 15	6° 9'02	27°18	17°44	22°35	26°50	24°30	9°16	4°54	23°37	25° 7	23°D35	25° 9	24°22	15°56	T 23
F 24	20 33 12	7° 6'36	10♎22	18°27	23°19	27°13	24°43	9°23	4°52	23°38	25° 8	23°36	25° 6	24°29	15°56	F 24
S 25	20 37 8	8° 4'11	23°43	19°17	24° 3	27°37	24°56	9°29	4°49	23°40	25° 9	23°37	25° 3	24°36	15°55	S 25
S 26	20 41 5	9° 1'47	7♏22	20°13	24°49	28° 2	25° 9	9°36	4°47	23°42	25°10	23°R38	24°59	24°42	15°54	S 26
M27	20 45 1	9°59'25	21°20	21°15	25°36	28°27	25°23	9°43	4°44	23°43	25°11	23°37	24°56	24°49	15°54	M27
T 28	20 48 58	10°57'03	5♐38	22°24	26°23	28°52	25°36	9°50	4°42	23°45	25°12	23°35	24°53	24°56	15°53	T 28
W29	20 52 54	11°54'42	20°12	23°38	27°11	29°18	25°49	9°57	4°40	23°47	25°13	23°31	24°50	25° 3	15°52	W29
T 30	20 56 51	12°52'23	4♑59	24°58	28° 0	29°44	26° 2	10° 3	4°37	23°48	25°14	23°26	24°47	25° 9	15°51	T 30
F 31	21 0 48	13♌50'05	19♑51	26♋24	28♊49	0♐10	26♋15	10♍10	4♒35	23♊50	25♎15	23♓20	24♓44	25♊16	15♈50	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n41	26s58	4s52	17n 3	4s24	17n16	5s 4	20s57	3s 4	22n26	0n21	10n46	1n56	19s33	0s40	22n10	1s11	5n45	16n35	1s47	1s28	28n25	7n45	1n36
T 2	22 34	28 30	5 2	17 1	4 33	17 16	5 6	21 0	3 4	22 24	0 21	10 44	1 56	19 34	0 40	22 10	1 11	5 45	16 35	1 51	1 30	28 25	7 46	1 36
F 3	22 27	27 54	4 51	17 0	4 40	17 17	5 7	21 3	3 5	22 23	0 21	10 42	1 56	19 34	0 40	22 11	1 11	5 44	16 34	1 55	1 31	28 26	7 46	1 36
S 4	22 20	25 14	4 19	17 0	4 46	17 18	5 8	21 7	3 5	22 21	0 21	10 39	1 56	19 35	0 40	22 11	1 11	5 43	16 34	1 58	1 32	28 26	7 46	1 36
S 5	22 12	20 54	3 30	17 3	4 50	17 20	5 8	21 10	3 5	22 19	0 21	10 37	1 56	19 35	0 40	22 11	1 11	5 43	16 33	2 1	1 33	28 27	7 46	1 36
M 6	22 4	15 24	2 29	17 7	4 53	17 22	5 8	21 14	3 6	22 17	0 21	10 35	1 56	19 36	0 40	22 11	1 11	5 42	16 32	2 3	1 35	28 27	7 46	1 36
T 7	21 55	9 15	1 20	17 12	4 53	17 25	5 8	21 18	3 6	22 15	0 21	10 33	1 56	19 36	0 40	22 11	1 11	5 42	16 32	2 5	1 36	28 28	7 47	1 36
W 8	21 46	2 53	0 9	17 19	4 52	17 28	5 8	21 22	3 6	22 13	0 21	10 30	1 55	19 37	0 40	22 11	1 11	5 41	16 31	2 5	1 37	28 28	7 47	1 36
T 9	21 37	3n24	1n 1	17 27	4 50	17 32	5 7	21 26	3 7	22 11	0 21	10 28	1 55	19 38	0 40	22 11	1 11	5 40	16 31	2 5	1 38	28 28	7 47	1 36
F 10	21 27	9 21	2 5	17 36	4 45	17 36	5 6	21 30	3 7	22 9	0 21	10 26	1 55	19 38	0 40	22 11	1 11	5 40	16 30	2 5	1 40	28 29	7 47	1 36
S 11	21 17	14 48	3 2	17 46	4 39	17 40	5 5	21 35	3 7	22 7	0 22	10 23	1 55	19 39	0 40	22 11	1 11	5 39	16 29	2 5	1 41	28 29	7 47	1 36
S 12	21 7	19 34	3 49	17 58	4 32	17 45	5 3	21 39	3 7	22 5	0 22	10 21	1 55	19 39	0 40	22 11	1 11	5 38	16 29	2 5	1 42	28 30	7 47	1 36
M13	20 56	23 29	4 26	18 10	4 22	17 50	5 2	21 44	3 7	22 3	0 22	10 19	1 55	19 40	0 40	22 12	1 11	5 38	16 28	2 7	1 43	28 30	7 47	1 36
T 14	20 45	26 23	4 51	18 23	4 12	17 55	5 0	21 48	3 7	22 1	0 22	10 16	1 55	19 41	0 40	22 12	1 11	5 37	16 28	2 9	1 45	28 30	7 47	1 36
W15	20 33	28 8	5 3	18 36	4 0	18 0	4 58	21 53	3 7	21 58	0 22	10 14	1 55	19 41	0 40	22 12	1 11	5 36	16 27	2 13	1 46	28 31	7 47	1 36
T 16	20 21	28 35	5 3	18 50	3 48	18 5	4 55	21 58	3 7	21 56	0 22	10 11	1 55	19 42	0 40	22 12	1 11	5 35	16 27	2 16	1 47	28 31	7 47	1 36
F 17	20 9	27 42	4 49	19 4	3 34	18 11	4 53	22 3	3 7	21 54	0 22	10 9	1 55	19 42	0 40	22 12	1 11	5 35	16 26	2 21	1 49	28 32	7 47	1 36
S 18	19 56	25 31	4 22	19 18	3 20	18 17	4 50	22 8	3 7	21 52	0 22	10 6	1 55	19 43	0 40	22 12	1 11	5 34	16 25	2 24	1 50	28 32	7 47	1 36
S 19	19 44	22 10	3 43	19 32	3 5	18 22	4 47	22 13	3 7	21 50	0 22	10 4	1 55	19 43	0 40	22 12	1 11	5 33	16 25	2 28	1 51	28 32	7 47	1 36
M20	19 30	17 48	2 53	19 45	2 49	18 28	4 44	22 18	3 7	21 48	0 22	10 1	1 55	19 44	0 40	22 12	1 11	5 32	16 24	2 31	1 52	28 33	7 47	1 36
T 21	19 17	12 38	1 54	19 58	2 33	18 34	4 41	22 23	3 7	21 45	0 23	9 59	1 55	19 45	0 40	22 12	1 11	5 31	16 24	2 32	1 54	28 33	7 47	1 36
W22	19 3	6 53	0 49	20 11	2 17	18 40	4 38	22 28	3 7	21 43	0 23	9 56	1 55	19 45	0 40	22 12	1 11	5 31	16 23	2 33	1 55	28 33	7 46	1 36
T 23	18 49	0 46	0s20	20 22	2 0	18 46	4 35	22 34	3 7	21 41	0 23	9 54	1 54	19 46	0 40	22 12	1 11	5 30	16 22	2 33	1 56	28 34	7 46	1 36
F 24	18 34	5s30	1 29	20 33	1 44	18 51	4 31	22 39	3 7	21 39	0 23	9 51	1 54	19 46	0 40	22 12	1 11	5 29	16 22	2 33	1 57	28 34	7 46	1 36
S 25	18 20	11 39	2 35	20 42	1 28	18 57	4 27	22 44	3 7	21 36	0 23	9 49	1 54	19 47	0 40	22 12	1 11	5 28	16 21	2 33	1 59	28 34	7 46	1 36
S 26	18 4	17 24	3 34	20 50	1 12	19 3	4 24	22 50	3 6	21 34	0 23	9 46	1 54	19 48	0 40	22 12	1 11	5 27	16 21	2 32	2 0	28 34	7 46	1 36
M27	17 49	22 23	4 22	20 56	0 56	19 8	4 20	22 55	3 6	21 32	0 23	9 43	1 54	19 48	0 40	22 13	1 11	5 26	16 20	2 33	2 1	28 35	7 45	1 36
T 28	17 33	26 9	4 54	21 0	0 41	19 14	4 16	23 1	3 6	21 30	0 23	9 41	1 54	19 49	0 40	22 13	1 11	5 26	16 20	2 33	2 2	28 35	7 45	1 36
W29	17 17	28 18	5 9	21 2	0 26	19 19	4 12	23 6	3 6	21 27	0 23	9 38	1 54	19 49	0 40	22 13	1 11	5 25	16 19	2 35	2 4	28 35	7 45	1 36
T 30	17 1	28 30	5 3	21 2	0 11	19 24	4 8	23 11	3 5	21 25	0 23	9 35	1 54	19 50	0 40	22 13	1 11	5 24	16 19	2 37	2 5	28 36	7 44	1 36
F 31	16n45	26s38	4s37	21n 0	0n 2	19n29	4s 3	23s17	3s 5	21n23	0n24	9n33	1n54	19s50	0s40	22n13	1s11	5n23	16n18	2s39	2s 6	28n36	7n44	1n36

Julian Day Number = 2175244.5, Delta T = 11m58s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'27, Lahiri = 13°18'27 Julian Calendar 1 July 1243 == Greg. Calendar 8 July 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

AUGUST 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 4 44	14♌47'47	4♒41	27♋54	29♊40	0♐37	26♋28	10♍17	4°R33	23♊52	25♎16	23°R14	24♓40	25♊23	15°R49	S 1
S 2	21 8 41	15°45'32	19°20	29°29	0♋31	1° 5	26°41	10°24	4♒30	23°53	25°17	23♓10	24°37	25°29	15♈48	S 2
M 3	21 12 37	16°43'17	3♓41	1♌ 8	1°22	1°33	26°53	10°31	4°28	23°55	25°18	23° 7	24°34	25°36	15°47	M 3
T 4	21 16 34	17°41'04	17°40	2°51	2°15	2° 1	27° 6	10°38	4°26	23°56	25°20	23°D 5	24°31	25°43	15°46	T 4
W 5	21 20 30	18°38'53	1♈13	4°37	3° 8	2°30	27°19	10°45	4°23	23°58	25°21	23° 6	24°28	25°50	15°45	W 5
T 6	21 24 27	19°36'43	14°21	6°26	4° 1	2°58	27°32	10°53	4°21	23°59	25°22	23° 7	24°24	25°56	15°44	T 6
F 7	21 28 23	20°34'35	27° 6	8°17	4°55	3°28	27°45	11° 0	4°19	24° 0	25°23	23° 8	24°21	26° 3	15°42	F 7
S 8	21 32 20	21°32'29	9♉32	10°11	5°50	3°58	27°57	11° 7	4°17	24° 2	25°25	23°10	24°18	26°10	15°41	S 8
S 9	21 36 17	22°30'25	21°42	12° 6	6°45	4°28	28°10	11°14	4°14	24° 3	25°26	23°R10	24°15	26°16	15°40	S 9
M10	21 40 13	23°28'23	3♊42	14° 2	7°41	4°58	28°23	11°21	4°12	24° 4	25°27	23°10	24°12	26°23	15°38	M10
T 11	21 44 10	24°26'23	15°35	16° 0	8°37	5°29	28°35	11°28	4°10	24° 6	25°29	23° 8	24° 9	26°30	15°37	T 11
W12	21 48 6	25°24'24	27°28	17°57	9°34	6° 0	28°48	11°36	4° 8	24° 7	25°30	23° 5	24° 5	26°37	15°35	W12
T 13	21 52 3	26°22'28	9♋23	19°56	10°31	6°31	29° 0	11°43	4° 5	24° 8	25°32	23° 1	24° 2	26°43	15°34	T 13
F 14	21 55 59	27°20'33	21°23	21°54	11°29	7° 3	29°13	11°50	4° 3	24°10	25°33	22°57	23°59	26°50	15°32	F 14
S 15	21 59 56	28°18'41	3♌33	23°51	12°27	7°35	29°25	11°58	4° 1	24°11	25°35	22°53	23°56	26°57	15°30	S 15
S 16	22 3 52	29°16'50	15°53	25°49	13°26	8° 7	29°38	12° 5	3°59	24°12	25°36	22°49	23°53	27° 4	15°29	S 16
M17	22 7 49	0♍15'00	28°25	27°45	14°25	8°40	29°50	12°12	3°57	24°13	25°38	22°46	23°50	27°10	15°27	M17
T 18	22 11 46	1°13'13	11♍ 9	29°42	15°24	9°13	0♌ 2	12°20	3°55	24°14	25°39	22°45	23°46	27°17	15°25	T 18
W19	22 15 42	2°11'27	24° 7	1♍37	16°24	9°46	0°15	12°27	3°53	24°15	25°41	22°D44	23°43	27°24	15°23	W19
T 20	22 19 39	3° 9'43	7♎17	3°31	17°24	10°20	0°27	12°34	3°51	24°16	25°43	22°45	23°40	27°30	15°21	T 20
F 21	22 23 35	4° 8'00	20°41	5°25	18°25	10°54	0°39	12°42	3°49	24°17	25°44	22°46	23°37	27°37	15°19	F 21
S 22	22 27 32	5° 6'20	4♏16	7°17	19°26	11°28	0°51	12°49	3°47	24°18	25°46	22°47	23°34	27°44	15°17	S 22
S 23	22 31 28	6° 4'40	18° 5	9° 8	20°27	12° 2	1° 3	12°57	3°45	24°19	25°48	22°48	23°30	27°51	15°15	S 23
M24	22 35 25	7° 3'03	2♐ 4	10°59	21°29	12°37	1°15	13° 4	3°43	24°20	25°49	22°R49	23°27	27°57	15°13	M24
T 25	22 39 21	8° 1'27	16°15	12°48	22°30	13°12	1°27	13°11	3°41	24°21	25°51	22°49	23°24	28° 4	15°11	T 25
W26	22 43 18	8°59'53	0♑34	14°36	23°33	13°47	1°39	13°19	3°40	24°22	25°53	22°48	23°21	28°11	15° 9	W26
T 27	22 47 15	9°58'20	14°58	16°23	24°35	14°22	1°50	13°26	3°38	24°23	25°55	22°47	23°18	28°18	15° 7	T 27
F 28	22 51 11	10°56'49	29°24	18° 9	25°38	14°58	2° 2	13°34	3°36	24°24	25°57	22°45	23°15	28°24	15° 5	F 28
S 29	22 55 8	11°55'19	13♒47	19°54	26°41	15°34	2°14	13°41	3°34	24°24	25°59	22°44	23°11	28°31	15° 3	S 29
S 30	22 59 4	12°53'52	28° 1	21°37	27°45	16°10	2°25	13°49	3°33	24°25	26° 1	22°43	23° 8	28°38	15° 0	S 30
M31	23 3 1	13♍52'26	12♓ 2	23♍20	28♋49	16♐46	2♌37	13♍56	3♒31	24♊26	26♎ 2	22♓42	23♓ 5	28♊44	14♈58	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n28	22s56	3s52	20n55	0n15	19n33	3s59	23s22	3s 5	21n20	0n24	9n30	1n54	19s51	0s40	22n13	1s11	5n22	16n17	2s42	2s 7	28n36	7n44	1n36
S 2	16 11	17 49	2 53	20 48	0 28	19 38	3 55	23 28	3 4	21 18	0 24	9 27	1 54	19 52	0 40	22 13	1 11	5 21	16 17	2 43	2 9	28 36	7 43	1 36
M 3	15 53	11 48	1 44	20 38	0 39	19 42	3 50	23 33	3 4	21 15	0 24	9 25	1 54	19 52	0 40	22 13	1 11	5 20	16 16	2 45	2 10	28 36	7 43	1 36
T 4	15 36	5 21	0 30	20 25	0 50	19 46	3 45	23 39	3 3	21 13	0 24	9 22	1 54	19 53	0 40	22 13	1 11	5 19	16 16	2 45	2 11	28 37	7 42	1 36
W 5	15 18	1n10	0n44	20 9	0 59	19 49	3 41	23 44	3 3	21 11	0 24	9 19	1 54	19 53	0 40	22 13	1 11	5 18	16 15	2 45	2 13	28 37	7 42	1 36
T 6	15 0	7 25	1 53	19 51	1 8	19 53	3 36	23 49	3 3	21 8	0 24	9 16	1 54	19 54	0 40	22 13	1 11	5 17	16 15	2 45	2 14	28 37	7 42	1 36
F 7	14 42	13 12	2 55	19 29	1 16	19 56	3 31	23 55	3 2	21 6	0 24	9 14	1 54	19 54	0 40	22 13	1 11	5 17	16 14	2 44	2 15	28 37	7 41	1 36
S 8	14 23	18 18	3 47	19 6	1 23	19 58	3 27	24 0	3 2	21 3	0 24	9 11	1 54	19 55	0 40	22 13	1 11	5 16	16 14	2 44	2 16	28 37	7 41	1 36
S 9	14 4	22 33	4 27	18 40	1 29	20 0	3 22	24 5	3 1	21 1	0 25	9 8	1 54	19 55	0 40	22 13	1 11	5 15	16 13	2 43	2 18	28 38	7 40	1 36
M10	13 45	25 48	4 55	18 11	1 34	20 2	3 17	24 10	3 1	20 59	0 25	9 5	1 54	19 56	0 40	22 13	1 11	5 14	16 13	2 43	2 19	28 38	7 39	1 36
T 11	13 26	27 54	5 10	17 40	1 38	20 4	3 12	24 16	3 0	20 56	0 25	9 3	1 54	19 56	0 40	22 13	1 11	5 13	16 12	2 44	2 20	28 38	7 39	1 36
W12	13 6	28 43	5 12	17 7	1 42	20 5	3 7	24 21	3 0	20 54	0 25	9 0	1 54	19 57	0 40	22 13	1 11	5 12	16 12	2 45	2 21	28 38	7 38	1 36
T 13	12 47	28 12	5 0	16 33	1 44	20 6	3 2	24 26	2 59	20 51	0 25	8 57	1 54	19 57	0 40	22 13	1 11	5 11	16 11	2 47	2 23	28 38	7 38	1 36
F 14	12 27	26 22	4 35	15 56	1 46	20 6	2 57	24 31	2 59	20 49	0 25	8 54	1 54	19 58	0 40	22 13	1 11	5 10	16 11	2 49	2 24	28 38	7 37	1 36
S 15	12 7	23 18	3 58	15 18	1 47	20 6	2 52	24 35	2 58	20 46	0 25	8 51	1 54	19 58	0 40	22 13	1 11	5 9	16 10	2 50	2 25	28 38	7 36	1 36
S 16	11 46	19 9	3 9	14 39	1 47	20 5	2 47	24 40	2 57	20 44	0 25	8 49	1 54	19 59	0 40	22 13	1 11	5 8	16 10	2 52	2 26	28 39	7 36	1 36
M17	11 26	14 6	2 10	13 58	1 47	20 4	2 42	24 45	2 57	20 41	0 26	8 46	1 54	19 59	0 40	22 13	1 11	5 7	16 9	2 53	2 28	28 39	7 35	1 36
T 18	11 5	8 23	1 3	13 16	1 46	20 3	2 37	24 50	2 56	20 39	0 26	8 43	1 54	20 0	0 40	22 13	1 12	5 6	16 9	2 53	2 29	28 39	7 34	1 36
W19	10 44	2 14	0s 8	12 34	1 44	20 1	2 32	24 54	2 56	20 36	0 26	8 40	1 54	20 0	0 40	22 13	1 12	5 5	16 8	2 54	2 30	28 39	7 34	1 36
T 20	10 23	4s 7	1 19	11 50	1 42	19 59	2 27	24 58	2 55	20 34	0 26	8 37	1 54	20 1	0 40	22 13	1 12	5 4	16 8	2 53	2 32	28 39	7 33	1 36
F 21	10 2	10 23	2 28	11 6	1 39	19 56	2 21	25 3	2 54	20 31	0 26	8 35	1 54	20 1	0 40	22 13	1 12	5 3	16 7	2 53	2 33	28 39	7 32	1 36
S 22	9 41	16 17	3 29	10 21	1 36	19 53	2 16	25 7	2 54	20 29	0 26	8 32	1 54	20 2	0 40	22 13	1 12	5 2	16 7	2 52	2 34	28 39	7 31	1 36
S 23	9 19	21 26	4 20	9 36	1 32	19 49	2 11	25 11	2 53	20 26	0 26	8 29	1 54	20 2	0 40	22 13	1 12	5 1	16 7	2 52	2 35	28 39	7 30	1 36
M24	8 58	25 29	4 55	8 50	1 28	19 45	2 6	25 15	2 52	20 24	0 26	8 26	1 54	20 3	0 40	22 13	1 12	5 0	16 6	2 52	2 37	28 39	7 30	1 36
T 25	8 36	28 2	5 14	8 5	1 24	19 40	2 1	25 19	2 51	20 21	0 27	8 23	1 54	20 3	0 40	22 13	1 12	4 59	16 6	2 52	2 38	28 39	7 29	1 36
W26	8 14	28 45	5 13	7 18	1 19	19 35	1 56	25 23	2 51	20 19	0 27	8 20	1 54	20 3	0 40	22 13	1 12	4 58	16 5	2 52	2 39	28 39	7 28	1 36
T 27	7 52	27 32	4 53	6 32	1 14	19 29	1 51	25 26	2 50	20 16	0 27	8 18	1 54	20 4	0 40	22 13	1 12	4 57	16 5	2 53	2 40	28 39	7 27	1 36
F 28	7 29	24 30	4 14	5 46	1 9	19 23	1 46	25 30	2 49	20 14	0 27	8 15	1 54	20 4	0 40	22 13	1 12	4 56	16 4	2 53	2 42	28 39	7 26	1 36
S 29	7 7	19 56	3 19	4 59	1 3	19 16	1 40	25 33	2 49	20 11	0 27	8 12	1 54	20 5	0 40	22 13	1 12	4 55	16 4	2 54	2 43	28 39	7 25	1 36
S 30	6 45	14 17	2 12	4 13	0 57	19 8	1 35	25 36	2 48	20 9	0 27	8 9	1 54	20 5	0 40	22 13	1 12	4 54	16 4	2 54	2 44	28 39	7 24	1 36
M31	6n22	7s59	0s59	3n27	0n51	19n 1	1s30	25s39	2s47	20n 6	0n27	8n 6	1n54	20s 5	0s40	22n13	1s12	4n53	16n 3	2s54	2s45	28n39	7n24	1n36

Julian Day Number = 2175275.5, Delta T = 11m57s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'31, Lahiri = 13°18'32 Julian Calendar 1 Aug. 1243 == Greg. Calendar 8 Aug. 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

SEPTEMBER 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 57	14♍51'02	25♓46	25♍ 2	29♋53	17♐23	2♌48	14♍ 4	3°R29	24♊27	26♎ 4	22°D42	23♓ 2	28♊51	14°R56	T 1
W 2	23 10 54	15°49'40	9♈11	26°42	0♌57	18° 0	3° 0	14°11	3♒28	24°27	26° 6	22♓43	22°59	28°58	14♈53	W 2
T 3	23 14 50	16°48'20	22°15	28°22	2° 2	18°37	3°11	14°18	3°26	24°28	26° 8	22°43	22°56	29° 5	14°51	T 3
F 4	23 18 47	17°47'03	4♉59	0♎ 1	3° 7	19°14	3°22	14°26	3°25	24°28	26°10	22°44	22°52	29°11	14°49	F 4
S 5	23 22 44	18°45'47	17°26	1°38	4°12	19°51	3°33	14°33	3°23	24°29	26°12	22°44	22°49	29°18	14°46	S 5
S 6	23 26 40	19°44'34	29°38	3°15	5°17	20°29	3°44	14°41	3°22	24°29	26°14	22°44	22°46	29°25	14°44	S 6
M 7	23 30 37	20°43'24	11♊40	4°51	6°23	21° 7	3°55	14°48	3°20	24°30	26°16	22°45	22°43	29°31	14°41	M 7
T 8	23 34 33	21°42'15	23°34	6°26	7°29	21°45	4° 6	14°56	3°19	24°30	26°19	22°R45	22°40	29°38	14°39	T 8
W 9	23 38 30	22°41'09	5♋27	8° 0	8°35	22°23	4°17	15° 3	3°18	24°31	26°21	22°D45	22°36	29°45	14°36	W 9
T 10	23 42 26	23°40'05	17°23	9°33	9°41	23° 1	4°28	15°11	3°17	24°31	26°23	22°45	22°33	29°52	14°33	T 10
F 11	23 46 23	24°39'04	29°26	11° 5	10°48	23°40	4°38	15°18	3°15	24°32	26°25	22°45	22°30	29°58	14°31	F 11
S 12	23 50 19	25°38'04	11♌40	12°36	11°55	24°18	4°49	15°25	3°14	24°32	26°27	22°45	22°27	0♋ 5	14°28	S 12
S 13	23 54 16	26°37'07	24° 8	14° 6	13° 2	24°57	4°59	15°33	3°13	24°32	26°29	22°45	22°24	0°12	14°25	S 13
M14	23 58 13	27°36'12	6♍52	15°36	14° 9	25°36	5°10	15°40	3°12	24°32	26°31	22°46	22°21	0°19	14°23	M14
T 15	0 2 9	28°35'20	19°54	17° 5	15°16	26°15	5°20	15°47	3°11	24°33	26°34	22°R46	22°17	0°25	14°20	T 15
W16	0 6 6	29°34'29	3♎14	18°32	16°24	26°55	5°30	15°55	3°10	24°33	26°36	22°46	22°14	0°32	14°17	W16
T 17	0 10 2	0♎33'41	16°50	19°59	17°32	27°34	5°40	16° 2	3° 9	24°33	26°38	22°45	22°11	0°39	14°15	T 17
F 18	0 13 59	1°32'54	0♏40	21°25	18°40	28°14	5°50	16° 9	3° 8	24°33	26°40	22°45	22° 8	0°45	14°12	F 18
S 19	0 17 55	2°32'09	14°42	22°50	19°48	28°54	6° 0	16°17	3° 7	24°33	26°42	22°43	22° 5	0°52	14° 9	S 19
S 20	0 21 52	3°31'27	28°51	24°14	20°56	29°34	6°10	16°24	3° 6	24°33	26°45	22°42	22° 2	0°59	14° 6	S 20
M21	0 25 48	4°30'46	13♐ 4	25°37	22° 5	0♑14	6°19	16°31	3° 5	24°R33	26°47	22°41	21°58	1° 6	14° 4	M21
T 22	0 29 45	5°30'07	27°18	26°59	23°14	0°54	6°29	16°38	3° 5	24°33	26°49	22°40	21°55	1°12	14° 1	T 22
W23	0 33 41	6°29'30	11♑31	28°20	24°23	1°35	6°38	16°45	3° 4	24°33	26°52	22°D40	21°52	1°19	13°58	W23
T 24	0 37 38	7°28'55	25°40	29°40	25°32	2°15	6°48	16°53	3° 3	24°33	26°54	22°41	21°49	1°26	13°55	T 24
F 25	0 41 35	8°28'21	9♒43	0♏58	26°41	2°56	6°57	17° 0	3° 3	24°33	26°56	22°42	21°46	1°32	13°52	F 25
S 26	0 45 31	9°27'49	23°38	2°15	27°50	3°37	7° 6	17° 7	3° 2	24°33	26°59	22°43	21°42	1°39	13°49	S 26
S 27	0 49 28	10°27'19	7♓23	3°31	29° 0	4°18	7°15	17°14	3° 2	24°33	27° 1	22°44	21°39	1°46	13°47	S 27
M28	0 53 24	11°26'51	20°57	4°46	0♍ 9	4°59	7°24	17°21	3° 1	24°32	27° 3	22°R45	21°36	1°53	13°44	M28
T 29	0 57 21	12°26'24	4♈19	5°59	1°19	5°40	7°33	17°28	3° 1	24°32	27° 6	22°44	21°33	1°59	13°41	T 29
W30	1 1 17	13♎26'00	17♈26	7♏10	2♍29	6♑22	7♌41	17♍35	3♒ 1	24♊32	27♎ 8	22♓43	21♓30	2♋ 6	13♈38	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n59	1s26	0n17	2n40	0n45	18n52	1s25	25s42	2s46	20n 4	0n28	8n 3	1n54	20s 6	0s40	22n13	1s12	4n52	16n 3	2s54	2s47	28n39	7n23	1n36
W 2	5 37	5n 2	1 30	1 54	0 39	18 43	1 20	25 44	2 45	20 1	0 28	8 0	1 54	20 6	0 39	22 13	1 12	4 51	16 2	2 54	2 48	28 39	7 22	1 36
T 3	5 14	11 7	2 36	1 9	0 32	18 34	1 15	25 47	2 45	19 59	0 28	7 58	1 54	20 6	0 39	22 13	1 12	4 50	16 2	2 54	2 49	28 39	7 21	1 36
F 4	4 51	16 35	3 33	0 23	0 25	18 24	1 10	25 49	2 44	19 56	0 28	7 55	1 55	20 7	0 39	22 13	1 12	4 49	16 2	2 54	2 50	28 39	7 20	1 36
S 5	4 28	21 14	4 19	0s22	0 19	18 14	1 5	25 52	2 43	19 54	0 28	7 52	1 55	20 7	0 39	22 13	1 12	4 48	16 1	2 54	2 52	28 39	7 19	1 36
S 6	4 5	24 54	4 52	1 7	0 12	18 3	1 1	25 54	2 42	19 51	0 28	7 49	1 55	20 7	0 39	22 13	1 12	4 47	16 1	2 54	2 53	28 39	7 18	1 36
M 7	3 41	27 25	5 11	1 52	0 4	17 51	0 56	25 55	2 41	19 49	0 28	7 46	1 55	20 8	0 39	22 13	1 12	4 45	16 1	2 54	2 54	28 39	7 17	1 36
T 8	3 18	28 39	5 17	2 36	0s 3	17 40	0 51	25 57	2 40	19 46	0 29	7 43	1 55	20 8	0 39	22 13	1 12	4 44	16 0	2 54	2 55	28 39	7 16	1 36
W 9	2 55	28 34	5 9	3 20	0 10	17 27	0 46	25 59	2 40	19 44	0 29	7 41	1 55	20 8	0 39	22 13	1 12	4 43	16 0	2 54	2 57	28 39	7 15	1 36
T 10	2 31	27 10	4 48	4 4	0 17	17 14	0 41	26 0	2 39	19 42	0 29	7 38	1 55	20 9	0 39	22 13	1 12	4 42	16 0	2 53	2 58	28 39	7 14	1 36
F 11	2 8	24 30	4 14	4 47	0 24	17 1	0 37	26 1	2 38	19 39	0 29	7 35	1 55	20 9	0 39	22 13	1 12	4 41	15 59	2 53	2 59	28 39	7 13	1 35
S 12	1 45	20 42	3 29	5 29	0 32	16 47	0 32	26 2	2 37	19 37	0 29	7 32	1 55	20 9	0 39	22 13	1 12	4 40	15 59	2 53	3 1	28 38	7 12	1 35
S 13	1 21	15 55	2 32	6 11	0 39	16 32	0 27	26 3	2 36	19 34	0 29	7 29	1 55	20 9	0 39	22 13	1 12	4 39	15 59	2 53	3 2	28 38	7 10	1 35
M14	0 57	10 22	1 27	6 53	0 46	16 17	0 23	26 3	2 35	19 32	0 29	7 27	1 55	20 10	0 39	22 13	1 12	4 38	15 59	2 53	3 3	28 38	7 9	1 35
T 15	0 34	4 15	0 16	7 34	0 54	16 2	0 18	26 3	2 34	19 30	0 30	7 24	1 55	20 10	0 39	22 13	1 12	4 37	15 58	2 53	3 4	28 38	7 8	1 35
W16	0 10	2s10	0s58	8 14	1 1	15 46	0 14	26 4	2 33	19 27	0 30	7 21	1 55	20 10	0 39	22 13	1 12	4 36	15 58	2 53	3 6	28 38	7 7	1 35
T 17	0s13	8 38	2 9	8 54	1 8	15 30	0 10	26 4	2 32	19 25	0 30	7 18	1 56	20 10	0 39	22 13	1 12	4 35	15 58	2 53	3 7	28 38	7 6	1 35
F 18	0 37	14 47	3 15	9 33	1 15	15 13	0 5	26 3	2 32	19 23	0 30	7 16	1 56	20 10	0 39	22 13	1 12	4 34	15 57	2 54	3 8	28 38	7 5	1 35
S 19	1 1	20 17	4 9	10 11	1 22	14 55	0 1	26 3	2 31	19 20	0 30	7 13	1 56	20 11	0 39	22 13	1 13	4 33	15 57	2 54	3 9	28 37	7 4	1 35
S 20	1 24	24 41	4 49	10 49	1 29	14 38	0n 3	26 2	2 30	19 18	0 30	7 10	1 56	20 11	0 39	22 13	1 13	4 32	15 57	2 54	3 11	28 37	7 3	1 35
M21	1 48	27 37	5 12	11 26	1 36	14 19	0 7	26 1	2 29	19 16	0 31	7 7	1 56	20 11	0 39	22 13	1 13	4 31	15 57	2 55	3 12	28 37	7 1	1 35
T 22	2 12	28 46	5 15	12 3	1 43	14 1	0 11	26 0	2 28	19 14	0 31	7 5	1 56	20 11	0 39	22 13	1 13	4 30	15 57	2 55	3 13	28 37	7 0	1 35
W23	2 35	28 0	4 59	12 38	1 50	13 42	0 15	25 59	2 27	19 11	0 31	7 2	1 56	20 11	0 39	22 13	1 13	4 29	15 56	2 55	3 14	28 37	6 59	1 35
T 24	2 59	25 26	4 25	13 13	1 56	13 22	0 19	25 57	2 26	19 9	0 31	6 59	1 56	20 11	0 39	22 13	1 13	4 28	15 56	2 55	3 16	28 36	6 58	1 35
F 25	3 22	21 21	3 36	13 46	2 3	13 2	0 23	25 55	2 25	19 7	0 31	6 56	1 56	20 11	0 39	22 13	1 13	4 27	15 56	2 55	3 17	28 36	6 57	1 35
S 26	3 46	16 7	2 34	14 19	2 9	12 42	0 27	25 53	2 24	19 5	0 31	6 54	1 56	20 12	0 39	22 13	1 13	4 26	15 56	2 54	3 18	28 36	6 56	1 35
S 27	4 9	10 8	1 24	14 51	2 15	12 21	0 31	25 51	2 23	19 3	0 32	6 51	1 57	20 12	0 39	22 13	1 13	4 25	15 56	2 54	3 19	28 36	6 55	1 35
M28	4 33	3 45	0 10	15 22	2 21	12 0	0 34	25 48	2 22	19 1	0 32	6 48	1 57	20 12	0 39	22 13	1 13	4 24	15 55	2 53	3 21	28 35	6 53	1 34
T 29	4 56	2n41	1n 3	15 52	2 26	11 39	0 38	25 46	2 21	18 59	0 32	6 46	1 57	20 12	0 39	22 13	1 13	4 23	15 55	2 54	3 22	28 35	6 52	1 34
W30	5s19	8n54	2n12	16s21	2s31	11n17	0n42	25s43	2s20	18n57	0n32	6n43	1n57	20s12	0s39	22n13	1s13	4n22	15n55	2s54	3s23	28n35	6n51	1n34

Julian Day Number = 2175306.5, Delta T = 11m57s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'35, Lahiri = 13°18'36 Julian Calendar 1 Sept. 1243 == Greg. Calendar 8 Sept. 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

OCTOBER 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 14	14♎25'37	0♉19	8♏20	3♍39	7♑ 3	7♌50	17♍42	3°R 0	24°R31	27♎10	22°R40	21♓27	2♋13	13°R35	T 1
F 2	1 9 10	15°25'17	12°57	9°27	4°49	7°45	7°58	17°49	3♒ 0	24♊31	27°13	22♓37	21°23	2°20	13♈32	F 2
S 3	1 13 7	16°24'59	25°20	10°33	6° 0	8°26	8° 7	17°56	3° 0	24°31	27°15	22°33	21°20	2°26	13°30	S 3
S 4	1 17 4	17°24'44	7♊31	11°36	7°10	9° 8	8°15	18° 2	3° 0	24°30	27°18	22°29	21°17	2°33	13°27	S 4
M 5	1 21 0	18°24'30	19°32	12°36	8°21	9°50	8°23	18° 9	3° 0	24°30	27°20	22°26	21°14	2°40	13°24	M 5
T 6	1 24 57	19°24'19	1♋26	13°34	9°32	10°32	8°31	18°16	3°D 0	24°29	27°22	22°23	21°11	2°46	13°21	T 6
W 7	1 28 53	20°24'10	13°18	14°29	10°43	11°14	8°39	18°23	3° 0	24°29	27°25	22°22	21° 7	2°53	13°18	W 7
T 8	1 32 50	21°24'04	25°12	15°19	11°54	11°56	8°46	18°29	3° 0	24°28	27°27	22°D21	21° 4	3° 0	13°15	T 8
F 9	1 36 46	22°23'59	7♌14	16° 7	13° 5	12°38	8°54	18°36	3° 0	24°28	27°30	22°22	21° 1	3° 7	13°13	F 9
S 10	1 40 43	23°23'57	19°27	16°49	14°16	13°21	9° 1	18°43	3° 0	24°27	27°32	22°24	20°58	3°13	13°10	S 10
S 11	1 44 39	24°23'57	1♍57	17°27	15°28	14° 3	9° 8	18°49	3° 0	24°26	27°35	22°26	20°55	3°20	13° 7	S 11
M12	1 48 36	25°23'59	14°47	18° 0	16°39	14°46	9°15	18°56	3° 1	24°26	27°37	22°27	20°52	3°27	13° 4	M12
T 13	1 52 33	26°24'03	28° 0	18°26	17°51	15°28	9°22	19° 2	3° 1	24°25	27°39	22°R27	20°48	3°33	13° 2	T 13
W14	1 56 29	27°24'09	11♎36	18°47	19° 3	16°11	9°29	19° 9	3° 1	24°24	27°42	22°25	20°45	3°40	12°59	W14
T 15	2 0 26	28°24'17	25°35	19° 0	20°15	16°54	9°36	19°15	3° 2	24°24	27°44	22°22	20°42	3°47	12°56	T 15
F 16	2 4 22	29°24'27	9♏53	19°R 5	21°27	17°37	9°42	19°21	3° 2	24°23	27°47	22°17	20°39	3°54	12°53	F 16
S 17	2 8 19	0♏24'39	24°24	19° 2	22°39	18°20	9°49	19°27	3° 3	24°22	27°49	22°11	20°36	4° 0	12°51	S 17
S 18	2 12 15	1°24'52	9♐ 1	18°50	23°51	19° 3	9°55	19°34	3° 3	24°21	27°52	22° 5	20°33	4° 7	12°48	S 18
M19	2 16 12	2°25'08	23°39	18°28	25° 3	19°46	10° 1	19°40	3° 4	24°20	27°54	22° 0	20°29	4°14	12°45	M19
T 20	2 20 8	3°25'25	8♑ 9	17°57	26°16	20°29	10° 7	19°46	3° 5	24°19	27°56	21°55	20°26	4°20	12°43	T 20
W21	2 24 5	4°25'43	22°29	17°16	27°28	21°13	10°12	19°52	3° 5	24°18	27°59	21°53	20°23	4°27	12°40	W21
T 22	2 28 2	5°26'03	6♒34	16°25	28°40	21°56	10°18	19°58	3° 6	24°17	28° 1	21°D52	20°20	4°34	12°38	T 22
F 23	2 31 58	6°26'24	20°25	15°25	29°53	22°39	10°23	20° 4	3° 7	24°16	28° 4	21°53	20°17	4°41	12°35	F 23
S 24	2 35 55	7°26'47	4♓ 1	14°17	1♎ 6	23°23	10°29	20°10	3° 8	24°15	28° 6	21°54	20°13	4°47	12°32	S 24
S 25	2 39 51	8°27'10	17°23	13° 3	2°19	24° 6	10°34	20°16	3° 9	24°14	28° 9	21°R55	20°10	4°54	12°30	S 25
M26	2 43 48	9°27'36	0♈33	11°44	3°31	24°50	10°39	20°21	3°10	24°13	28°11	21°55	20° 7	5° 1	12°27	M26
T 27	2 47 44	10°28'03	13°30	10°24	4°44	25°34	10°43	20°27	3°11	24°12	28°13	21°53	20° 4	5° 8	12°25	T 27
W28	2 51 41	11°28'31	26°17	9° 4	5°57	26°17	10°48	20°33	3°12	24°11	28°16	21°48	20° 1	5°14	12°23	W28
T 29	2 55 37	12°29'01	8♉53	7°47	7°10	27° 1	10°52	20°38	3°13	24°10	28°18	21°41	19°58	5°21	12°20	T 29
F 30	2 59 34	13°29'32	21°18	6°36	8°24	27°45	10°57	20°44	3°14	24° 9	28°21	21°32	19°54	5°28	12°18	F 30
S 31	3 3 31	14♏30'05	3♊33	5♏33	9♎37	28♑29	11♌ 1	20♍49	3♒16	24♊ 7	28♎23	21♓22	19♓51	5♋34	12♈16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5 s43	14n38	3n12	16 s48	2 s36	10n54	0n45	25 s40	2 s19	18n54	0n32	6n41	1n57	20 s12	0 s39	22n13	1 s13	4n21	15n55	2 s55	3 s24	28n35	6n50	1n34
F 2	6 6	19 37	4 2	17 15	2 41	10 32	0 48	25 36	2 18	18 52	0 33	6 38	1 57	20 12	0 39	22 13	1 13	4 20	15 55	2 57	3 26	28 34	6 49	1 34
S 3	6 29	23 41	4 39	17 40	2 45	10 9	0 52	25 33	2 17	18 51	0 33	6 35	1 57	20 12	0 39	22 13	1 13	4 20	15 55	2 58	3 27	28 34	6 47	1 34
S 4	6 52	26 38	5 3	18 3	2 49	9 46	0 55	25 29	2 16	18 49	0 33	6 33	1 57	20 12	0 39	22 13	1 13	4 19	15 54	3 0	3 28	28 34	6 46	1 34
M 5	7 15	28 19	5 13	18 25	2 52	9 22	0 58	25 25	2 15	18 47	0 33	6 30	1 58	20 12	0 39	22 13	1 13	4 18	15 54	3 1	3 29	28 33	6 45	1 34
T 6	7 38	28 41	5 9	18 46	2 55	8 58	1 1	25 20	2 14	18 45	0 33	6 28	1 58	20 12	0 39	22 12	1 13	4 17	15 54	3 2	3 31	28 33	6 44	1 34
W 7	8 0	27 44	4 53	19 4	2 58	8 34	1 4	25 16	2 13	18 43	0 33	6 25	1 58	20 12	0 39	22 12	1 13	4 16	15 54	3 3	3 32	28 33	6 43	1 34
T 8	8 23	25 30	4 23	19 21	2 59	8 9	1 7	25 11	2 11	18 41	0 34	6 23	1 58	20 12	0 39	22 12	1 13	4 15	15 54	3 3	3 33	28 32	6 42	1 34
F 9	8 45	22 7	3 42	19 36	3 0	7 44	1 9	25 6	2 10	18 39	0 34	6 20	1 58	20 12	0 39	22 12	1 13	4 14	15 54	3 2	3 34	28 32	6 40	1 34
S 10	9 8	17 45	2 51	19 49	3 1	7 19	1 12	25 1	2 9	18 37	0 34	6 18	1 58	20 12	0 39	22 12	1 13	4 13	15 54	3 2	3 36	28 32	6 39	1 33
S 11	9 30	12 32	1 50	19 59	3 0	6 54	1 15	24 55	2 8	18 36	0 34	6 15	1 59	20 12	0 39	22 12	1 13	4 12	15 54	3 1	3 37	28 31	6 38	1 33
M12	9 52	6 40	0 42	20 7	2 59	6 28	1 17	24 50	2 7	18 34	0 34	6 13	1 59	20 11	0 38	22 12	1 13	4 11	15 54	3 1	3 38	28 31	6 37	1 33
T 13	10 14	0 20	0 s30	20 13	2 56	6 3	1 20	24 44	2 6	18 32	0 35	6 11	1 59	20 11	0 38	22 12	1 13	4 10	15 54	3 1	3 40	28 31	6 36	1 33
W14	10 36	6 s11	1 42	20 15	2 53	5 36	1 22	24 37	2 5	18 31	0 35	6 8	1 59	20 11	0 38	22 12	1 13	4 10	15 54	3 1	3 41	28 30	6 34	1 33
T 15	10 57	12 34	2 50	20 14	2 48	5 10	1 24	24 31	2 4	18 29	0 35	6 6	1 59	20 11	0 38	22 12	1 13	4 9	15 54	3 2	3 42	28 30	6 33	1 33
F 16	11 19	18 27	3 49	20 10	2 42	4 44	1 26	24 24	2 3	18 28	0 35	6 4	1 59	20 11	0 38	22 12	1 13	4 8	15 54	3 4	3 43	28 29	6 32	1 33
S 17	11 40	23 22	4 34	20 1	2 34	4 17	1 28	24 17	2 2	18 26	0 35	6 1	2 0	20 11	0 38	22 12	1 13	4 7	15 54	3 7	3 45	28 29	6 31	1 33
S 18	12 1	26 51	5 1	19 49	2 25	3 50	1 30	24 10	2 1	18 25	0 36	5 59	2 0	20 11	0 38	22 12	1 13	4 6	15 54	3 9	3 46	28 29	6 30	1 33
M19	12 22	28 32	5 9	19 33	2 15	3 23	1 32	24 3	2 0	18 23	0 36	5 57	2 0	20 11	0 38	22 12	1 13	4 5	15 54	3 11	3 47	28 28	6 29	1 33
T 20	12 43	28 14	4 57	19 12	2 2	2 56	1 34	23 55	1 59	18 22	0 36	5 54	2 0	20 10	0 38	22 12	1 13	4 5	15 54	3 13	3 48	28 28	6 28	1 32
W21	13 3	26 2	4 27	18 47	1 48	2 29	1 36	23 48	1 57	18 20	0 36	5 52	2 0	20 10	0 38	22 12	1 13	4 4	15 54	3 14	3 50	28 27	6 26	1 32
T 22	13 23	22 16	3 40	18 17	1 33	2 1	1 37	23 39	1 56	18 19	0 36	5 50	2 0	20 10	0 38	22 12	1 13	4 3	15 54	3 14	3 51	28 27	6 25	1 32
F 23	13 43	17 18	2 42	17 43	1 15	1 33	1 39	23 31	1 55	18 18	0 37	5 48	2 1	20 10	0 38	22 11	1 14	4 2	15 54	3 14	3 52	28 26	6 24	1 32
S 24	14 3	11 33	1 35	17 6	0 57	1 6	1 40	23 23	1 54	18 17	0 37	5 46	2 1	20 9	0 38	22 11	1 14	4 1	15 54	3 13	3 53	28 26	6 23	1 32
S 25	14 23	5 23	0 24	16 24	0 37	0 38	1 42	23 14	1 53	18 15	0 37	5 44	2 1	20 9	0 38	22 11	1 14	4 1	15 54	3 13	3 55	28 25	6 22	1 32
M26	14 42	0n56	0n46	15 41	0 16	0 10	1 43	23 5	1 52	18 14	0 37	5 42	2 1	20 9	0 38	22 11	1 14	4 0	15 54	3 13	3 56	28 25	6 21	1 32
T 27	15 1	7 6	1 54	14 56	0n 4	0 s18	1 44	22 56	1 51	18 13	0 38	5 39	2 1	20 9	0 38	22 11	1 14	3 59	15 54	3 14	3 57	28 24	6 20	1 32
W28	15 20	12 53	2 54	14 11	0 25	0 46	1 45	22 47	1 50	18 12	0 38	5 37	2 2	20 8	0 38	22 11	1 14	3 58	15 54	3 16	3 58	28 24	6 19	1 32
T 29	15 39	18 4	3 45	13 28	0 45	1 14	1 46	22 37	1 48	18 11	0 38	5 35	2 2	20 8	0 38	22 11	1 14	3 58	15 54	3 19	4 0	28 23	6 18	1 31
F 30	15 57	22 24	4 24	12 47	1 3	1 42	1 47	22 27	1 47	18 10	0 38	5 33	2 2	20 8	0 38	22 11	1 14	3 57	15 54	3 22	4 1	28 23	6 17	1 31
S 31	16 s15	25n42	4n50	12 s10	1n20	2 s10	1n48	22 s17	1 s46	18n 9	0n38	5n32	2n 2	20 s 8	0 s38	22n11	1 s14	3n56	15n54	3 s26	4 s 2	28n22	6n16	1n31

Julian Day Number = 2175336.5, Delta T = 11m57s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'40, Lahiri = 13°18'40 Julian Calendar 1 Oct. 1243 == Greg. Calendar 8 Oct. 1243

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ASTRODIENST EPHEMERIS for the year 1243
geocentric

NOVEMBER 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 27	15♏30'40	15♊39	4°R40	10♎50	29♑13	11♌ 5	20♍54	3♒17	24°R 6	28♎25	21°R11	19♓48	5♋41	12°R13	S 1
M 2	3 11 24	16°31'17	27°37	3♏58	12° 3	29°56	11° 8	21° 0	3°18	24♊ 5	28°28	21♓ 1	19°45	5°48	12♈11	M 2
T 3	3 15 20	17°31'55	9♋30	3°27	13°17	0♒40	11°12	21° 5	3°20	24° 4	28°30	20°52	19°42	5°55	12° 9	T 3
W 4	3 19 17	18°32'35	21°20	3° 7	14°30	1°24	11°15	21°10	3°21	24° 2	28°32	20°46	19°39	6° 1	12° 7	W 4
T 5	3 23 13	19°33'16	3♌12	3°D 0	15°44	2° 9	11°18	21°15	3°22	24° 1	28°35	20°42	19°35	6° 8	12° 5	T 5
F 6	3 27 10	20°33'59	15°10	3° 3	16°58	2°53	11°21	21°20	3°24	24° 0	28°37	20°41	19°32	6°15	12° 3	F 6
S 7	3 31 6	21°34'44	27°20	3°17	18°11	3°37	11°24	21°25	3°26	23°58	28°39	20°D41	19°29	6°21	12° 0	S 7
S 8	3 35 3	22°35'30	9♍45	3°40	19°25	4°21	11°27	21°30	3°27	23°57	28°41	20°41	19°26	6°28	11°58	S 8
M 9	3 39 0	23°36'18	22°33	4°12	20°39	5° 5	11°29	21°34	3°29	23°56	28°44	20°R42	19°23	6°35	11°56	M 9
T 10	3 42 56	24°37'07	5♎46	4°51	21°53	5°49	11°31	21°39	3°31	23°54	28°46	20°40	19°19	6°42	11°55	T 10
W11	3 46 53	25°37'58	19°27	5°38	23° 7	6°34	11°33	21°44	3°32	23°53	28°48	20°37	19°16	6°48	11°53	W11
T 12	3 50 49	26°38'50	3♏36	6°30	24°21	7°18	11°35	21°48	3°34	23°51	28°50	20°31	19°13	6°55	11°51	T 12
F 13	3 54 46	27°39'44	18°11	7°28	25°35	8° 2	11°37	21°53	3°36	23°50	28°53	20°23	19°10	7° 2	11°49	F 13
S 14	3 58 42	28°40'39	3♐ 5	8°31	26°49	8°47	11°38	21°57	3°38	23°48	28°55	20°12	19° 7	7° 8	11°47	S 14
S 15	4 2 39	29°41'35	18° 9	9°38	28° 3	9°31	11°39	22° 1	3°40	23°47	28°57	20° 1	19° 4	7°15	11°46	S 15
M16	4 6 35	0♐42'32	3♑13	10°48	29°17	10°16	11°41	22° 5	3°42	23°45	28°59	19°51	19° 0	7°22	11°44	M16
T 17	4 10 32	1°43'30	18° 7	12° 1	0♏31	11° 0	11°41	22° 9	3°44	23°44	29° 1	19°43	18°57	7°29	11°42	T 17
W18	4 14 29	2°44'29	2♒44	13°17	1°45	11°45	11°42	22°13	3°46	23°42	29° 3	19°37	18°54	7°35	11°41	W18
T 19	4 18 25	3°45'28	17° 0	14°34	3° 0	12°29	11°43	22°17	3°48	23°41	29° 6	19°34	18°51	7°42	11°39	T 19
F 20	4 22 22	4°46'28	0♓52	15°54	4°14	13°14	11°43	22°21	3°50	23°39	29° 8	19°D33	18°48	7°49	11°38	F 20
S 21	4 26 18	5°47'29	14°23	17°16	5°28	13°58	11°R43	22°25	3°52	23°37	29°10	19°R33	18°45	7°55	11°37	S 21
S 22	4 30 15	6°48'30	27°34	18°39	6°43	14°43	11°43	22°28	3°54	23°36	29°12	19°33	18°41	8° 2	11°35	S 22
M23	4 34 11	7°49'31	10♈28	20° 3	7°57	15°28	11°43	22°32	3°57	23°34	29°14	19°31	18°38	8° 9	11°34	M23
T 24	4 38 8	8°50'34	23° 8	21°28	9°11	16°12	11°42	22°35	3°59	23°32	29°16	19°27	18°35	8°16	11°33	T 24
W25	4 42 4	9°51'37	5♉37	22°54	10°26	16°57	11°41	22°39	4° 1	23°31	29°18	19°20	18°32	8°22	11°31	W25
T 26	4 46 1	10°52'40	17°56	24°21	11°40	17°41	11°40	22°42	4° 4	23°29	29°20	19°10	18°29	8°29	11°30	T 26
F 27	4 49 58	11°53'44	0♊ 8	25°49	12°55	18°26	11°39	22°45	4° 6	23°28	29°22	18°57	18°25	8°36	11°29	F 27
S 28	4 53 54	12°54'49	12°13	27°17	14° 9	19°11	11°38	22°48	4° 9	23°26	29°24	18°42	18°22	8°42	11°28	S 28
S 29	4 57 51	13°55'55	24°13	28°46	15°24	19°55	11°37	22°51	4°11	23°24	29°25	18°27	18°19	8°49	11°27	S 29
M30	5 1 47	14♐57'01	6♋ 7	0♐15	16♏39	20♒40	11♌35	22♍54	4♒14	23♊23	29♎27	18♓13	18♓16	8♋56	11♈26	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s33	27n47	5n 3	11s38	1n36	2s39	1n49	22s 7	1s45	18n 8	0n39	5n30	2n 2	20s 7	0s38	22n11	1s14	3n56	15n55	3s31	4s 3	28n22	6n15	1n31
M 2	16 51	28 34	5 3	11 11	1 49	3 7	1 49	21 56	1 44	18 8	0 39	5 28	2 3	20 7	0 38	22 11	1 14	3 55	15 55	3 35	4 5	28 21	6 14	1 31
T 3	17 8	28 0	4 49	10 49	2 1	3 35	1 50	21 46	1 43	18 7	0 39	5 26	2 3	20 6	0 38	22 11	1 14	3 54	15 55	3 38	4 6	28 21	6 13	1 31
W 4	17 25	26 10	4 23	10 34	2 10	4 3	1 50	21 35	1 42	18 6	0 39	5 24	2 3	20 6	0 38	22 11	1 14	3 54	15 55	3 40	4 7	28 20	6 12	1 31
T 5	17 42	23 10	3 45	10 24	2 18	4 31	1 50	21 24	1 41	18 6	0 40	5 22	2 3	20 6	0 38	22 11	1 14	3 53	15 55	3 42	4 8	28 19	6 11	1 31
F 6	17 58	19 11	2 58	10 20	2 24	4 59	1 51	21 13	1 39	18 5	0 40	5 20	2 4	20 5	0 38	22 10	1 14	3 52	15 55	3 43	4 10	28 19	6 10	1 30
S 7	18 14	14 21	2 1	10 21	2 27	5 27	1 51	21 1	1 38	18 4	0 40	5 19	2 4	20 5	0 38	22 10	1 14	3 52	15 55	3 43	4 11	28 18	6 9	1 30
S 8	18 30	8 50	0 58	10 27	2 30	5 55	1 51	20 50	1 37	18 4	0 40	5 17	2 4	20 5	0 38	22 10	1 14	3 51	15 56	3 42	4 12	28 18	6 8	1 30
M 9	18 45	2 49	0s10	10 36	2 31	6 23	1 51	20 38	1 36	18 3	0 40	5 15	2 4	20 4	0 38	22 10	1 14	3 51	15 56	3 42	4 13	28 17	6 7	1 30
T 10	19 0	3s31	1 19	10 50	2 30	6 51	1 51	20 26	1 35	18 3	0 41	5 14	2 4	20 4	0 38	22 10	1 14	3 50	15 56	3 43	4 15	28 17	6 6	1 30
W11	19 15	9 54	2 27	11 7	2 29	7 18	1 51	20 13	1 34	18 3	0 41	5 12	2 5	20 3	0 38	22 10	1 14	3 49	15 56	3 44	4 16	28 16	6 5	1 30
T 12	19 29	16 1	3 27	11 26	2 27	7 46	1 50	20 1	1 33	18 2	0 41	5 11	2 5	20 3	0 38	22 10	1 14	3 49	15 56	3 46	4 17	28 15	6 5	1 30
F 13	19 43	21 25	4 16	11 48	2 24	8 13	1 50	19 48	1 32	18 2	0 41	5 9	2 5	20 2	0 38	22 10	1 14	3 48	15 57	3 50	4 18	28 15	6 4	1 29
S 14	19 57	25 35	4 48	12 12	2 20	8 40	1 50	19 36	1 30	18 2	0 42	5 8	2 5	20 2	0 38	22 10	1 14	3 48	15 57	3 54	4 20	28 14	6 3	1 29
S 15	20 10	28 1	5 1	12 37	2 15	9 8	1 49	19 23	1 29	18 2	0 42	5 6	2 6	20 1	0 38	22 10	1 14	3 47	15 57	3 58	4 21	28 13	6 2	1 29
M16	20 23	28 24	4 54	13 4	2 10	9 34	1 49	19 9	1 28	18 2	0 42	5 5	2 6	20 1	0 38	22 10	1 14	3 47	15 57	4 2	4 22	28 13	6 1	1 29
T 17	20 36	26 42	4 26	13 32	2 5	10 1	1 48	18 56	1 27	18 2	0 42	5 3	2 6	20 0	0 38	22 10	1 14	3 46	15 58	4 5	4 23	28 12	6 1	1 29
W18	20 48	23 13	3 41	14 0	1 59	10 28	1 47	18 43	1 26	18 2	0 43	5 2	2 6	20 0	0 38	22 10	1 14	3 46	15 58	4 8	4 25	28 11	6 0	1 29
T 19	20 59	18 24	2 43	14 29	1 52	10 54	1 46	18 29	1 25	18 2	0 43	5 1	2 7	19 59	0 37	22 9	1 14	3 45	15 58	4 9	4 26	28 11	5 59	1 29
F 20	21 11	12 43	1 37	14 59	1 46	11 20	1 45	18 15	1 24	18 2	0 43	4 59	2 7	19 59	0 37	22 9	1 14	3 45	15 58	4 9	4 27	28 10	5 59	1 28
S 21	21 22	6 36	0 27	15 29	1 39	11 46	1 45	18 1	1 22	18 2	0 43	4 58	2 7	19 58	0 37	22 9	1 14	3 45	15 59	4 9	4 28	28 9	5 58	1 28
S 22	21 32	0 20	0n42	15 58	1 32	12 11	1 43	17 47	1 21	18 3	0 44	4 57	2 7	19 58	0 37	22 9	1 14	3 44	15 59	4 9	4 30	28 9	5 57	1 28
M23	21 42	5n49	1 48	16 28	1 25	12 36	1 42	17 33	1 20	18 3	0 44	4 56	2 8	19 57	0 37	22 9	1 14	3 44	15 59	4 10	4 31	28 8	5 57	1 28
T 24	21 52	11 37	2 47	16 57	1 18	13 1	1 41	17 18	1 19	18 3	0 44	4 54	2 8	19 57	0 37	22 9	1 14	3 43	16 0	4 12	4 32	28 7	5 56	1 28
W25	22 1	16 52	3 37	17 27	1 10	13 26	1 40	17 4	1 18	18 4	0 44	4 53	2 8	19 56	0 37	22 9	1 14	3 43	16 0	4 14	4 33	28 6	5 55	1 28
T 26	22 10	21 21	4 17	17 55	1 3	13 50	1 39	16 49	1 17	18 4	0 44	4 52	2 8	19 56	0 37	22 9	1 14	3 43	16 0	4 18	4 35	28 6	5 55	1 28
F 27	22 19	24 53	4 43	18 24	0 56	14 14	1 37	16 34	1 16	18 5	0 45	4 51	2 9	19 55	0 37	22 9	1 14	3 42	16 1	4 23	4 36	28 5	5 54	1 27
S 28	22 27	27 16	4 57	18 51	0 48	14 38	1 36	16 19	1 15	18 5	0 45	4 50	2 9	19 54	0 37	22 9	1 14	3 42	16 1	4 29	4 37	28 4	5 54	1 27
S 29	22 34	28 22	4 58	19 18	0 41	15 1	1 34	16 4	1 14	18 6	0 45	4 49	2 9	19 54	0 37	22 9	1 14	3 42	16 1	4 35	4 38	28 3	5 53	1 27
M30	22s41	28n 8	4n45	19s45	0n33	15s24	1n33	15s48	1s12	18n 7	0n45	4n49	2n 9	19s53	0s37	22n 9	1s14	3n41	16n 2	4s41	4s40	28n 3	5n53	1n27

Julian Day Number = 2175367.5, Delta T = 11m57s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'44, Lahiri = 13°18'44 Julian Calendar 1 Nov. 1243 == Greg. Calendar 8 Nov. 1243

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DECEMBER 1243 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 5 44	15♐58'07	17♋59	1♐45	17♏53	21♒25	11°R33	22♍57	4♒16	23°R21	29♎29	18°R 0	18♓13	9♋ 3	11°R25	T 1
W 2	5 9 40	16°59'15	29°49	3°15	19° 8	22° 9	11♌31	23° 0	4°19	23♊19	29°31	17♓50	18°10	9° 9	11♈25	W 2
T 3	5 13 37	18° 0'23	11♌40	4°46	20°23	22°54	11°29	23° 2	4°21	23°18	29°33	17°44	18° 6	9°16	11°24	T 3
F 4	5 17 34	19° 1'32	23°37	6°17	21°37	23°39	11°26	23° 5	4°24	23°16	29°35	17°40	18° 3	9°23	11°23	F 4
S 5	5 21 30	20° 2'41	5♍43	7°48	22°52	24°23	11°24	23° 7	4°27	23°14	29°36	17°38	18° 0	9°29	11°23	S 5
S 6	5 25 27	21° 3'51	18° 4	9°19	24° 7	25° 8	11°21	23° 9	4°30	23°12	29°38	17°38	17°57	9°36	11°22	S 6
M 7	5 29 23	22° 5'02	0♎45	10°51	25°22	25°53	11°18	23°12	4°32	23°11	29°40	17°38	17°54	9°43	11°21	M 7
T 8	5 33 20	23° 6'13	13°51	12°23	26°36	26°37	11°15	23°14	4°35	23° 9	29°41	17°36	17°51	9°50	11°21	T 8
W 9	5 37 16	24° 7'24	27°26	13°55	27°51	27°22	11°11	23°16	4°38	23° 7	29°43	17°33	17°47	9°56	11°21	W 9
T 10	5 41 13	25° 8'37	11♏31	15°27	29° 6	28° 7	11° 8	23°17	4°41	23° 6	29°45	17°27	17°44	10° 3	11°20	T 10
F 11	5 45 9	26° 9'49	26° 5	17° 0	0♐21	28°51	11° 4	23°19	4°44	23° 4	29°46	17°18	17°41	10°10	11°20	F 11
S 12	5 49 6	27°11'02	11♐ 5	18°33	1°36	29°36	11° 0	23°21	4°47	23° 2	29°48	17° 7	17°38	10°16	11°20	S 12
S 13	5 53 3	28°12'16	26°20	20° 7	2°51	0♓21	10°56	23°22	4°50	23° 1	29°49	16°56	17°35	10°23	11°20	S 13
M14	5 56 59	29°13'29	11♑40	21°40	4° 6	1° 5	10°51	23°24	4°53	22°59	29°51	16°44	17°31	10°30	11°19	M14
T 15	6 0 56	0♑14'43	26°54	23°14	5°21	1°50	10°47	23°25	4°56	22°57	29°52	16°35	17°28	10°37	11°D19	T 15
W16	6 4 52	1°15'56	11♒50	24°49	6°35	2°35	10°42	23°26	4°59	22°55	29°54	16°28	17°25	10°43	11°19	W16
T 17	6 8 49	2°17'09	26°23	26°23	7°50	3°19	10°38	23°27	5° 2	22°54	29°55	16°25	17°22	10°50	11°19	T 17
F 18	6 12 45	3°18'21	10♓28	27°58	9° 5	4° 4	10°33	23°28	5° 5	22°52	29°57	16°D23	17°19	10°57	11°20	F 18
S 19	6 16 42	4°19'33	24° 6	29°34	10°20	4°49	10°27	23°29	5° 8	22°50	29°58	16°23	17°16	11° 3	11°20	S 19
S 20	6 20 38	5°20'44	7♈18	1♑10	11°35	5°33	10°22	23°30	5°11	22°49	29°59	16°R23	17°12	11°10	11°20	S 20
M21	6 24 35	6°21'55	20° 9	2°46	12°50	6°18	10°17	23°31	5°14	22°47	0♏ 0	16°23	17° 9	11°17	11°20	M21
T 22	6 28 32	7°23'06	2♉42	4°22	14° 5	7° 2	10°11	23°31	5°17	22°45	0° 2	16°20	17° 6	11°24	11°21	T 22
W23	6 32 28	8°24'16	15° 1	6° 0	15°20	7°47	10° 5	23°32	5°21	22°44	0° 3	16°14	17° 3	11°30	11°21	W23
T 24	6 36 25	9°25'25	27°10	7°37	16°35	8°31	9°59	23°32	5°24	22°42	0° 4	16° 5	17° 0	11°37	11°21	T 24
F 25	6 40 21	10°26'34	9♊12	9°15	17°50	9°16	9°53	23°32	5°27	22°41	0° 5	15°55	16°57	11°44	11°22	F 25
S 26	6 44 18	11°27'43	21° 9	10°53	19° 5	10° 0	9°47	23°33	5°30	22°39	0° 6	15°42	16°53	11°50	11°23	S 26
S 27	6 48 14	12°28'51	3♋ 2	12°32	20°20	10°45	9°41	23°R33	5°33	22°37	0° 8	15°29	16°50	11°57	11°23	S 27
M28	6 52 11	13°29'58	14°55	14°12	21°35	11°29	9°35	23°33	5°37	22°36	0° 9	15°17	16°47	12° 4	11°24	M28
T 29	6 56 8	14°31'05	26°46	15°51	22°50	12°14	9°28	23°32	5°40	22°34	0°10	15° 6	16°44	12°11	11°25	T 29
W30	7 0 4	15°32'11	8♌39	17°32	24° 5	12°58	9°21	23°32	5°43	22°33	0°11	14°57	16°41	12°17	11°25	W30
T 31	7 4 1	16♑33'17	20♌35	19♑13	25♐20	13♓43	9♌15	23♍32	5♒47	22♊31	0♏12	14♓51	16♓37	12♋24	11♈26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s48	26n37	4n20	20s10	0n26	15s47	1n31	15s33	1s11	18n 7	0n46	4n48	2n10	19s52	0s37	22n 8	1s14	3n41	16n 2	4s46	4s41	28n 2	5n52	1n27
W 2	22 54	23 55	3 44	20 35	0 19	16 9	1 29	15 17	1 10	18 8	0 46	4 47	2 10	19 52	0 37	22 8	1 14	3 41	16 2	4 50	4 42	28 1	5 52	1 27
T 3	23 0	20 12	2 58	20 59	0 11	16 30	1 28	15 2	1 9	18 9	0 46	4 46	2 10	19 51	0 37	22 8	1 14	3 41	16 3	4 52	4 43	28 0	5 51	1 27
F 4	23 5	15 38	2 3	21 23	0 4	16 52	1 26	14 46	1 8	18 10	0 46	4 45	2 11	19 51	0 37	22 8	1 14	3 40	16 3	4 54	4 45	27 59	5 51	1 26
S 5	23 10	10 25	1 3	21 45	0s 3	17 13	1 24	14 30	1 7	18 11	0 47	4 45	2 11	19 50	0 37	22 8	1 14	3 40	16 3	4 54	4 46	27 59	5 50	1 26
S 6	23 14	4 42	0s 2	22 6	0 10	17 33	1 22	14 14	1 6	18 12	0 47	4 44	2 11	19 49	0 37	22 8	1 14	3 40	16 4	4 55	4 47	27 58	5 50	1 26
M 7	23 18	1s21	1 9	22 26	0 17	17 53	1 20	13 58	1 5	18 13	0 47	4 43	2 11	19 48	0 37	22 8	1 14	3 40	16 4	4 55	4 48	27 57	5 50	1 26
T 8	23 22	7 32	2 14	22 46	0 23	18 13	1 18	13 41	1 4	18 14	0 47	4 43	2 12	19 48	0 37	22 8	1 14	3 39	16 5	4 55	4 50	27 56	5 49	1 26
W 9	23 25	13 37	3 14	23 4	0 30	18 32	1 16	13 25	1 3	18 15	0 48	4 42	2 12	19 47	0 37	22 8	1 14	3 39	16 5	4 56	4 51	27 55	5 49	1 26
T 10	23 27	19 13	4 4	23 21	0 37	18 50	1 14	13 8	1 1	18 16	0 48	4 42	2 12	19 46	0 37	22 8	1 14	3 39	16 5	4 59	4 52	27 54	5 49	1 25
F 11	23 29	23 54	4 40	23 37	0 43	19 8	1 12	12 52	1 0	18 18	0 48	4 41	2 13	19 46	0 37	22 8	1 14	3 39	16 6	5 2	4 53	27 53	5 49	1 25
S 12	23 31	27 8	4 59	23 52	0 49	19 26	1 10	12 35	0 59	18 19	0 48	4 41	2 13	19 45	0 37	22 8	1 14	3 39	16 6	5 6	4 54	27 53	5 48	1 25
S 13	23 32	28 26	4 56	24 5	0 55	19 43	1 8	12 18	0 58	18 20	0 48	4 41	2 13	19 44	0 37	22 8	1 14	3 39	16 7	5 11	4 56	27 52	5 48	1 25
M14	23 32	27 33	4 33	24 17	1 1	19 59	1 5	12 1	0 57	18 22	0 49	4 40	2 13	19 43	0 37	22 7	1 14	3 39	16 7	5 15	4 57	27 51	5 48	1 25
T 15	23 32	24 37	3 50	24 29	1 7	20 15	1 3	11 44	0 56	18 23	0 49	4 40	2 14	19 43	0 37	22 7	1 14	3 39	16 8	5 19	4 58	27 50	5 48	1 25
W16	23 32	20 4	2 52	24 38	1 12	20 30	1 1	11 27	0 55	18 25	0 49	4 40	2 14	19 42	0 37	22 7	1 14	3 39	16 8	5 22	4 59	27 49	5 48	1 25
T 17	23 31	14 24	1 44	24 47	1 17	20 45	0 58	11 10	0 54	18 26	0 49	4 40	2 14	19 41	0 37	22 7	1 14	3 38	16 8	5 23	5 1	27 48	5 47	1 24
F 18	23 30	8 9	0 31	24 54	1 22	20 59	0 56	10 53	0 53	18 28	0 50	4 40	2 15	19 40	0 37	22 7	1 14	3 38	16 9	5 24	5 2	27 47	5 47	1 24
S 19	23 28	1 44	0n41	25 0	1 27	21 13	0 54	10 35	0 52	18 29	0 50	4 39	2 15	19 40	0 37	22 7	1 14	3 38	16 9	5 24	5 3	27 46	5 47	1 24
S 20	23 26	4n34	1 49	25 4	1 32	21 25	0 51	10 18	0 51	18 31	0 50	4 39	2 15	19 39	0 37	22 7	1 14	3 38	16 10	5 24	5 4	27 45	5 47	1 24
M21	23 23	10 31	2 49	25 7	1 36	21 38	0 49	10 1	0 50	18 33	0 50	4 39	2 15	19 38	0 37	22 7	1 14	3 38	16 10	5 24	5 6	27 44	5 47	1 24
T 22	23 20	15 53	3 40	25 8	1 40	21 49	0 46	9 43	0 49	18 34	0 50	4 39	2 16	19 37	0 37	22 7	1 14	3 38	16 11	5 25	5 7	27 43	5 47	1 24
W23	23 16	20 32	4 19	25 8	1 44	22 0	0 44	9 25	0 48	18 36	0 51	4 39	2 16	19 37	0 37	22 7	1 14	3 39	16 11	5 27	5 8	27 42	5 47	1 24
T 24	23 12	24 15	4 46	25 7	1 48	22 11	0 41	9 8	0 47	18 38	0 51	4 40	2 16	19 36	0 37	22 7	1 14	3 39	16 12	5 31	5 9	27 41	5 47	1 23
F 25	23 8	26 52	5 0	25 4	1 51	22 20	0 39	8 50	0 46	18 40	0 51	4 40	2 17	19 35	0 37	22 7	1 14	3 39	16 12	5 35	5 11	27 40	5 47	1 23
S 26	23 3	28 15	5 1	24 59	1 54	22 29	0 36	8 32	0 45	18 42	0 51	4 40	2 17	19 34	0 37	22 7	1 14	3 39	16 13	5 40	5 12	27 39	5 47	1 23
S 27	22 57	28 18	4 48	24 53	1 56	22 38	0 33	8 14	0 43	18 44	0 52	4 40	2 17	19 33	0 37	22 7	1 14	3 39	16 13	5 45	5 13	27 38	5 48	1 23
M28	22 51	27 4	4 23	24 45	1 59	22 46	0 31	7 56	0 42	18 46	0 52	4 41	2 17	19 33	0 37	22 6	1 14	3 39	16 14	5 50	5 14	27 37	5 48	1 23
T 29	22 45	24 36	3 47	24 35	2 1	22 53	0 28	7 38	0 41	18 48	0 52	4 41	2 18	19 32	0 37	22 6	1 14	3 39	16 14	5 54	5 16	27 36	5 48	1 23
W30	22 38	21 4	3 0	24 24	2 2	22 59	0 26	7 20	0 40	18 49	0 52	4 41	2 18	19 31	0 37	22 6	1 13	3 39	16 15	5 57	5 17	27 35	5 48	1 22
T 31	22s31	16n41	2n 6	24s12	2s 4	23s 4	0n23	7s 2	0s39	18n51	0n52	4n42	2n18	19s30	0s37	22n 6	1s13	3n39	16n15	5s59	5s18	27n34	5n48	1n22

Julian Day Number = 2175397.5, Delta T = 11m57s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'48, Lahiri = 13°18'48 Julian Calendar 1 Dec. 1243 == Greg. Calendar 8 Dec. 1243

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

JANUARY 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 7 57	17♑34'22	2♍36	20♑54	26♐35	14♓27	9°R 8	23°R31	5♒50	22°R30	0♏12	14°R48	16♓34	12♋31	11♈27	F 1
S 2	7 11 54	18°35'27	14°46	22°36	27°50	15°11	9♌ 1	23♍31	5°53	22♊28	0°13	14°D47	16°31	12°37	11°28	S 2
S 3	7 15 50	19°36'32	27° 9	24°18	29° 5	15°56	8°54	23°30	5°57	22°27	0°14	14♓48	16°28	12°44	11°29	S 3
M 4	7 19 47	20°37'35	9♎48	26° 1	0♑20	16°40	8°46	23°29	6° 0	22°25	0°15	14°49	16°25	12°51	11°30	M 4
T 5	7 23 43	21°38'39	22°49	27°45	1°35	17°24	8°39	23°28	6° 4	22°24	0°16	14°R50	16°22	12°58	11°31	T 5
W 6	7 27 40	22°39'42	6♏14	29°28	2°50	18° 8	8°32	23°27	6° 7	22°22	0°16	14°49	16°18	13° 4	11°33	W 6
T 7	7 31 37	23°40'44	20° 7	1♒12	4° 5	18°53	8°24	23°26	6°10	22°21	0°17	14°46	16°15	13°11	11°34	T 7
F 8	7 35 33	24°41'46	4♐28	2°57	5°20	19°37	8°17	23°25	6°14	22°20	0°18	14°40	16°12	13°18	11°35	F 8
S 9	7 39 30	25°42'47	19°15	4°41	6°35	20°21	8° 9	23°23	6°17	22°18	0°18	14°34	16° 9	13°24	11°37	S 9
S 10	7 43 26	26°43'48	4♑21	6°26	7°50	21° 5	8° 1	23°22	6°21	22°17	0°19	14°26	16° 6	13°31	11°38	S 10
M11	7 47 23	27°44'48	19°37	8°10	9° 5	21°49	7°54	23°20	6°24	22°16	0°20	14°18	16° 3	13°38	11°40	M11
T 12	7 51 19	28°45'46	4♒53	9°55	10°20	22°33	7°46	23°18	6°28	22°14	0°20	14°12	15°59	13°45	11°41	T 12
W13	7 55 16	29°46'44	19°57	11°39	11°35	23°17	7°38	23°17	6°31	22°13	0°21	14° 8	15°56	13°51	11°43	W13
T 14	7 59 12	0♒47'40	4♓41	13°23	12°50	24° 1	7°30	23°15	6°35	22°12	0°21	14° 6	15°53	13°58	11°44	T 14
F 15	8 3 9	1°48'35	18°59	15° 5	14° 5	24°46	7°22	23°13	6°38	22°10	0°22	14°D 5	15°50	14° 5	11°46	F 15
S 16	8 7 6	2°49'29	2♈49	16°47	15°20	25°30	7°14	23°11	6°42	22° 9	0°22	14° 6	15°47	14°11	11°48	S 16
S 17	8 11 2	3°50'21	16°11	18°27	16°35	26°13	7° 6	23° 9	6°45	22° 8	0°22	14° 8	15°43	14°18	11°49	S 17
M18	8 14 59	4°51'11	29° 8	20° 6	17°50	26°57	6°58	23° 6	6°49	22° 7	0°23	14°R 9	15°40	14°25	11°51	M18
T 19	8 18 55	5°52'00	11♉43	21°42	19° 5	27°41	6°51	23° 4	6°52	22° 6	0°23	14° 9	15°37	14°31	11°53	T 19
W20	8 22 52	6°52'48	24° 2	23°16	20°20	28°25	6°43	23° 2	6°56	22° 5	0°23	14° 7	15°34	14°38	11°55	W20
T 21	8 26 48	7°53'34	6♊ 8	24°46	21°35	29° 9	6°35	22°59	6°59	22° 4	0°23	14° 4	15°31	14°45	11°57	T 21
F 22	8 30 45	8°54'18	18° 5	26°12	22°50	29°53	6°27	22°56	7° 3	22° 2	0°23	13°59	15°28	14°52	11°59	F 22
S 23	8 34 41	9°55'01	29°58	27°34	24° 5	0♈37	6°19	22°54	7° 6	22° 1	0°24	13°53	15°24	14°58	12° 1	S 23
S 24	8 38 38	10°55'43	11♋49	28°51	25°20	1°20	6°11	22°51	7°10	22° 0	0°24	13°47	15°21	15° 5	12° 3	S 24
M25	8 42 35	11°56'23	23°40	0♓ 1	26°35	2° 4	6° 3	22°48	7°13	21°59	0°24	13°40	15°18	15°12	12° 6	M25
T 26	8 46 31	12°57'01	5♌34	1° 6	27°50	2°48	5°55	22°45	7°16	21°59	0°R24	13°35	15°15	15°18	12° 8	T 26
W27	8 50 28	13°57'38	17°33	2° 2	29° 5	3°31	5°47	22°42	7°20	21°58	0°24	13°31	15°12	15°25	12°10	W27
T 28	8 54 24	14°58'13	29°38	2°51	0♒20	4°15	5°39	22°39	7°23	21°57	0°24	13°29	15° 9	15°32	12°12	T 28
F 29	8 58 21	15°58'47	11♍51	3°31	1°35	4°58	5°32	22°36	7°27	21°56	0°24	13°D28	15° 5	15°39	12°15	F 29
S 30	9 2 17	16°59'19	24°13	4° 2	2°50	5°42	5°24	22°32	7°30	21°55	0°23	13°28	15° 2	15°45	12°17	S 30
S 31	9 6 14	17♒59'50	6♎47	4♓22	4♒ 5	6♈25	5♌16	22♍29	7♒34	21♊54	0♏23	13♓30	14♓59	15♋52	12♈20	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s23	11n36	1n 5	23s57	2s 4	23s 9	0n20	6s44	0s38	18n53	0n52	4n42	2n18	19s29	0s37	22n 6	1s13	3n40	16n16	6s 1	5s19	27n33	5n48	1n22
S 2	22 15	6 1	0 0	23 41	2 5	23 14	0 18	6 26	0 37	18 56	0 53	4 43	2 19	19 28	0 37	22 6	1 13	3 40	16 16	6 1	5 21	27 32	5 49	1 22
S 3	22 6	0 8	1s 6	23 23	2 5	23 17	0 15	6 8	0 36	18 58	0 53	4 43	2 19	19 28	0 37	22 6	1 13	3 40	16 17	6 1	5 22	27 31	5 49	1 22
M 4	21 57	5s54	2 10	23 4	2 4	23 20	0 12	5 50	0 35	19 0	0 53	4 44	2 19	19 27	0 37	22 6	1 13	3 40	16 17	6 0	5 23	27 30	5 49	1 22
T 5	21 47	11 50	3 10	22 43	2 3	23 22	0 10	5 32	0 34	19 2	0 53	4 44	2 20	19 26	0 37	22 6	1 13	3 40	16 18	6 0	5 24	27 29	5 50	1 22
W 6	21 38	17 26	4 1	22 20	2 2	23 23	0 7	5 13	0 33	19 4	0 53	4 45	2 20	19 25	0 37	22 6	1 13	3 41	16 18	6 0	5 26	27 28	5 50	1 21
T 7	21 27	22 20	4 39	21 55	2 0	23 24	0 5	4 55	0 33	19 6	0 54	4 46	2 20	19 24	0 37	22 6	1 13	3 41	16 19	6 2	5 27	27 27	5 50	1 21
F 8	21 17	26 4	5 2	21 29	1 57	23 24	0 2	4 37	0 32	19 8	0 54	4 46	2 20	19 23	0 37	22 6	1 13	3 41	16 19	6 4	5 28	27 26	5 51	1 21
S 9	21 5	28 11	5 6	21 1	1 54	23 23	0s 1	4 18	0 31	19 10	0 54	4 47	2 21	19 22	0 37	22 6	1 13	3 41	16 20	6 6	5 29	27 25	5 51	1 21
S 10	20 54	28 17	4 49	20 31	1 50	23 22	0 3	4 0	0 30	19 12	0 54	4 48	2 21	19 22	0 37	22 6	1 13	3 42	16 20	6 9	5 30	27 24	5 51	1 21
M11	20 42	26 14	4 11	20 0	1 46	23 19	0 6	3 42	0 29	19 15	0 54	4 49	2 21	19 21	0 37	22 6	1 13	3 42	16 21	6 12	5 32	27 23	5 52	1 21
T 12	20 30	22 17	3 16	19 27	1 41	23 16	0 8	3 23	0 28	19 17	0 54	4 50	2 21	19 20	0 37	22 6	1 13	3 42	16 21	6 15	5 33	27 21	5 52	1 21
W13	20 17	16 54	2 7	18 53	1 35	23 13	0 11	3 5	0 27	19 19	0 54	4 51	2 22	19 19	0 37	22 6	1 13	3 43	16 22	6 16	5 34	27 20	5 53	1 20
T 14	20 4	10 37	0 51	18 18	1 29	23 8	0 13	2 47	0 26	19 21	0 55	4 52	2 22	19 18	0 37	22 6	1 13	3 43	16 22	6 17	5 35	27 19	5 53	1 20
F 15	19 50	3 58	0n27	17 41	1 22	23 3	0 16	2 28	0 25	19 23	0 55	4 53	2 22	19 17	0 37	22 6	1 13	3 43	16 23	6 17	5 37	27 18	5 54	1 20
S 16	19 37	2n39	1 40	17 3	1 14	22 57	0 18	2 10	0 24	19 25	0 55	4 54	2 23	19 16	0 37	22 6	1 13	3 44	16 23	6 17	5 38	27 17	5 54	1 20
S 17	19 22	8 56	2 45	16 24	1 5	22 51	0 21	1 52	0 23	19 28	0 55	4 55	2 23	19 15	0 37	22 6	1 13	3 44	16 24	6 16	5 39	27 16	5 55	1 20
M18	19 8	14 38	3 40	15 44	0 56	22 44	0 23	1 33	0 22	19 30	0 55	4 56	2 23	19 15	0 37	22 6	1 13	3 44	16 25	6 16	5 40	27 15	5 56	1 20
T 19	18 53	19 34	4 23	15 3	0 46	22 36	0 26	1 15	0 21	19 32	0 55	4 57	2 23	19 14	0 37	22 5	1 13	3 45	16 25	6 16	5 42	27 13	5 56	1 20
W20	18 38	23 34	4 52	14 22	0 35	22 27	0 28	0 56	0 20	19 34	0 55	4 58	2 24	19 13	0 37	22 5	1 13	3 45	16 26	6 16	5 43	27 12	5 57	1 19
T 21	18 22	26 28	5 8	13 41	0 23	22 18	0 30	0 38	0 19	19 36	0 55	5 0	2 24	19 12	0 37	22 5	1 13	3 46	16 26	6 18	5 44	27 11	5 58	1 19
F 22	18 6	28 9	5 10	13 0	0 10	22 8	0 33	0 20	0 18	19 38	0 56	5 1	2 24	19 11	0 37	22 5	1 13	3 46	16 27	6 20	5 45	27 10	5 58	1 19
S 23	17 50	28 31	4 59	12 19	0n 3	21 57	0 35	0 2	0 18	19 40	0 56	5 2	2 24	19 10	0 37	22 5	1 13	3 47	16 27	6 22	5 47	27 9	5 59	1 19
S 24	17 34	27 34	4 35	11 39	0 17	21 46	0 37	0n17	0 17	19 42	0 56	5 4	2 24	19 9	0 37	22 5	1 13	3 47	16 28	6 24	5 48	27 7	6 0	1 19
M25	17 17	25 23	3 59	11 1	0 32	21 34	0 39	0 35	0 16	19 44	0 56	5 5	2 25	19 8	0 37	22 5	1 13	3 48	16 28	6 27	5 49	27 6	6 0	1 19
T 26	17 0	22 4	3 12	10 24	0 47	21 22	0 41	0 53	0 15	19 47	0 56	5 6	2 25	19 7	0 37	22 5	1 13	3 48	16 29	6 29	5 50	27 5	6 1	1 19
W27	16 42	17 49	2 17	9 49	1 3	21 8	0 44	1 11	0 14	19 49	0 56	5 8	2 25	19 7	0 37	22 5	1 12	3 49	16 29	6 30	5 51	27 4	6 2	1 18
T 28	16 25	12 49	1 15	9 17	1 19	20 54	0 46	1 30	0 13	19 51	0 56	5 9	2 25	19 6	0 37	22 5	1 12	3 49	16 30	6 31	5 53	27 3	6 3	1 18
F 29	16 7	7 17	0 9	8 47	1 35	20 40	0 48	1 48	0 12	19 53	0 56	5 11	2 26	19 5	0 37	22 5	1 12	3 50	16 30	6 32	5 54	27 1	6 3	1 18
S 30	15 49	1 24	0s59	8 21	1 51	20 25	0 50	2 6	0 11	19 55	0 56	5 12	2 26	19 4	0 37	22 5	1 12	3 50	16 31	6 31	5 55	27 0	6 4	1 18
S 31	15s30	4s37	2s 5	7s59	2n 7	20s 9	0s52	2n24	0s11	19n56	0n56	5n14	2n26	19s 3	0s37	22n 5	1s12	3n51	16n31	6s31	5s56	26n59	6n 5	1n18

Julian Day Number = 2175428.5, Delta T = 11m57s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'52, Lahiri = 13°18'53 Julian Calendar 1 Jan. 1244 == Greg. Calendar 8 Jan. 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

FEBRUARY 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 10 10	19♒ 0'19	19♎35	4♓33	5♒20	7♈ 9	5°R 9	22°R25	7♒37	21°R53	0°R23	13♓31	14♓56	15♋59	12♈22	M 1
T 2	9 14 7	20° 0'47	2♏40	4°R34	6°35	7°52	5♌ 1	22♍22	7°41	21♊53	0♏23	13°33	14°53	16° 5	12°24	T 2
W 3	9 18 4	21° 1'14	16° 4	4°24	7°50	8°36	4°54	22°18	7°44	21°52	0°23	13°R34	14°49	16°12	12°27	W 3
T 4	9 22 0	22° 1'39	29°49	4° 5	9° 4	9°19	4°46	22°15	7°48	21°51	0°22	13°33	14°46	16°19	12°30	T 4
F 5	9 25 57	23° 2'04	13♐56	3°36	10°19	10° 2	4°39	22°11	7°51	21°51	0°22	13°32	14°43	16°25	12°32	F 5
S 6	9 29 53	24° 2'26	28°23	2°58	11°34	10°45	4°32	22° 7	7°54	21°50	0°22	13°30	14°40	16°32	12°35	S 6
S 7	9 33 50	25° 2'48	13♑ 7	2°13	12°49	11°29	4°25	22° 3	7°58	21°49	0°21	13°28	14°37	16°39	12°38	S 7
M 8	9 37 46	26° 3'08	28° 1	1°21	14° 4	12°12	4°18	21°59	8° 1	21°49	0°21	13°26	14°34	16°46	12°40	M 8
T 9	9 41 43	27° 3'26	12♒59	0°24	15°19	12°55	4°11	21°55	8° 4	21°48	0°20	13°24	14°30	16°52	12°43	T 9
W10	9 45 39	28° 3'42	27°52	29♒24	16°34	13°38	4° 4	21°51	8° 8	21°48	0°20	13°22	14°27	16°59	12°46	W10
T 11	9 49 36	29° 3'56	12♓32	28°21	17°49	14°21	3°58	21°47	8°11	21°47	0°19	13°D22	14°24	17° 6	12°49	T 11
F 12	9 53 33	0♓ 4'09	26°51	27°18	19° 3	15° 4	3°51	21°43	8°14	21°47	0°19	13°22	14°21	17°12	12°52	F 12
S 13	9 57 29	1° 4'19	10♈47	26°15	20°18	15°47	3°45	21°39	8°18	21°47	0°18	13°23	14°18	17°19	12°55	S 13
S 14	10 1 26	2° 4'27	24°17	25°15	21°33	16°30	3°38	21°34	8°21	21°46	0°17	13°24	14°15	17°26	12°58	S 14
M15	10 5 22	3° 4'34	7♉21	24°18	22°48	17°13	3°32	21°30	8°24	21°46	0°17	13°25	14°11	17°32	13° 1	M15
T 16	10 9 19	4° 4'38	20° 3	23°26	24° 3	17°56	3°26	21°26	8°27	21°46	0°16	13°26	14° 8	17°39	13° 4	T 16
W17	10 13 15	5° 4'40	2♊26	22°39	25°17	18°39	3°20	21°21	8°31	21°45	0°15	13°R26	14° 5	17°46	13° 7	W17
T 18	10 17 12	6° 4'40	14°34	21°58	26°32	19°22	3°15	21°17	8°34	21°45	0°14	13°26	14° 2	17°53	13°10	T 18
F 19	10 21 8	7° 4'38	26°32	21°23	27°47	20° 5	3° 9	21°12	8°37	21°45	0°14	13°26	13°59	17°59	13°13	F 19
S 20	10 25 5	8° 4'33	8♋24	20°55	29° 2	20°47	3° 4	21° 8	8°40	21°45	0°13	13°25	13°55	18° 6	13°16	S 20
S 21	10 29 2	9° 4'26	20°14	20°33	0♓16	21°30	2°58	21° 3	8°43	21°45	0°12	13°24	13°52	18°13	13°19	S 21
M22	10 32 58	10° 4'17	2♌ 7	20°18	1°31	22°13	2°53	20°59	8°46	21°45	0°11	13°24	13°49	18°19	13°23	M22
T 23	10 36 55	11° 4'06	14° 5	20° 9	2°46	22°55	2°48	20°54	8°50	21°44	0°10	13°23	13°46	18°26	13°26	T 23
W24	10 40 51	12° 3'53	26°11	20°D 7	4° 0	23°38	2°43	20°50	8°53	21°D44	0° 9	13°23	13°43	18°33	13°29	W24
T 25	10 44 48	13° 3'37	8♍28	20°11	5°15	24°20	2°39	20°45	8°56	21°44	0° 8	13°23	13°40	18°39	13°33	T 25
F 26	10 48 44	14° 3'20	20°56	20°21	6°30	25° 3	2°34	20°40	8°59	21°45	0° 7	13°23	13°36	18°46	13°36	F 26
S 27	10 52 41	15° 3'00	3♎37	20°36	7°44	25°45	2°30	20°36	9° 2	21°45	0° 6	13°23	13°33	18°53	13°39	S 27
S 28	10 56 37	16° 2'39	16°31	20°57	8°59	26°28	2°26	20°31	9° 5	21°45	0° 5	13°23	13°30	19° 0	13°43	S 28
M29	11 0 34	17♓ 2'15	29♎38	21♒22	10♓14	27♈10	2♌22	20♍26	9♒ 8	21♊45	0♏ 4	13♓23	13♓27	19♋ 6	13♈46	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s11	10s33	3s 6	7s40	2n22	19s53	0s54	2n42	0s10	19n58	0n56	5n15	2n26	19s 2	0s37	22n 5	1s12	3n51	16n32	6s30	5s58	26n57	6n 6	1n18
T 2	14 52	16 11	3 58	7 26	2 37	19 36	0 56	3 0	0 9	20 0	0 56	5 17	2 26	19 1	0 37	22 5	1 12	3 52	16 32	6 30	5 59	26 56	6 7	1 18
W 3	14 33	21 10	4 40	7 17	2 51	19 19	0 57	3 18	0 8	20 2	0 57	5 19	2 27	19 0	0 37	22 5	1 12	3 52	16 33	6 29	6 0	26 55	6 8	1 18
T 4	14 14	25 11	5 6	7 12	3 4	19 1	0 59	3 36	0 7	20 4	0 57	5 20	2 27	19 0	0 37	22 5	1 12	3 53	16 33	6 29	6 1	26 54	6 9	1 17
F 5	13 54	27 47	5 15	7 11	3 16	18 42	1 1	3 54	0 6	20 6	0 57	5 22	2 27	18 59	0 37	22 5	1 12	3 53	16 34	6 30	6 3	26 52	6 10	1 17
S 6	13 34	28 36	5 5	7 16	3 26	18 23	1 3	4 11	0 6	20 8	0 57	5 24	2 27	18 58	0 37	22 5	1 12	3 54	16 34	6 31	6 4	26 51	6 10	1 17
S 7	13 14	27 26	4 34	7 24	3 34	18 4	1 4	4 29	0 5	20 9	0 57	5 25	2 27	18 57	0 37	22 5	1 12	3 55	16 35	6 32	6 5	26 50	6 11	1 17
M 8	12 53	24 19	3 45	7 37	3 40	17 44	1 6	4 47	0 4	20 11	0 57	5 27	2 28	18 56	0 37	22 5	1 12	3 55	16 35	6 32	6 6	26 48	6 12	1 17
T 9	12 33	19 32	2 40	7 53	3 44	17 23	1 7	5 4	0 3	20 13	0 57	5 29	2 28	18 55	0 37	22 5	1 12	3 56	16 36	6 33	6 7	26 47	6 13	1 17
W10	12 12	13 35	1 25	8 12	3 46	17 2	1 9	5 22	0 2	20 14	0 57	5 30	2 28	18 54	0 37	22 5	1 12	3 56	16 36	6 34	6 9	26 46	6 14	1 17
T 11	11 51	6 58	0 5	8 34	3 45	16 40	1 10	5 39	0 2	20 16	0 57	5 32	2 28	18 54	0 37	22 5	1 12	3 57	16 37	6 34	6 10	26 44	6 15	1 17
F 12	11 30	0 8	1n14	8 58	3 43	16 18	1 12	5 57	0 1	20 18	0 57	5 34	2 28	18 53	0 37	22 5	1 12	3 58	16 37	6 34	6 11	26 43	6 16	1 16
S 13	11 8	6n31	2 26	9 24	3 38	15 56	1 13	6 14	0 0	20 19	0 57	5 36	2 28	18 52	0 37	22 5	1 12	3 58	16 38	6 33	6 12	26 42	6 17	1 16
S 14	10 47	12 40	3 28	9 50	3 32	15 33	1 14	6 32	0n 1	20 21	0 57	5 38	2 29	18 51	0 37	22 5	1 12	3 59	16 38	6 33	6 14	26 40	6 19	1 16
M15	10 25	18 3	4 16	10 17	3 24	15 10	1 15	6 49	0 2	20 22	0 57	5 40	2 29	18 50	0 37	22 5	1 12	4 0	16 39	6 33	6 15	26 39	6 20	1 16
T 16	10 3	22 30	4 51	10 43	3 14	14 46	1 16	7 6	0 2	20 23	0 57	5 41	2 29	18 49	0 37	22 6	1 12	4 0	16 39	6 32	6 16	26 37	6 21	1 16
W17	9 41	25 49	5 11	11 8	3 3	14 22	1 17	7 23	0 3	20 25	0 57	5 43	2 29	18 49	0 37	22 6	1 12	4 1	16 40	6 32	6 17	26 36	6 22	1 16
T 18	9 19	27 53	5 17	11 33	2 51	13 57	1 18	7 40	0 4	20 26	0 57	5 45	2 29	18 48	0 37	22 6	1 11	4 2	16 40	6 32	6 19	26 35	6 23	1 16
F 19	8 57	28 38	5 9	11 56	2 38	13 32	1 19	7 57	0 5	20 27	0 57	5 47	2 29	18 47	0 37	22 6	1 11	4 2	16 40	6 33	6 20	26 33	6 24	1 16
S 20	8 35	28 3	4 47	12 18	2 24	13 7	1 20	8 14	0 5	20 29	0 57	5 49	2 29	18 46	0 37	22 6	1 11	4 3	16 41	6 33	6 21	26 32	6 25	1 16
S 21	8 12	26 12	4 14	12 38	2 11	12 41	1 21	8 31	0 6	20 30	0 57	5 51	2 29	18 45	0 37	22 6	1 11	4 4	16 41	6 33	6 22	26 30	6 26	1 15
M22	7 49	23 10	3 29	12 56	1 56	12 15	1 22	8 47	0 7	20 31	0 57	5 53	2 30	18 44	0 37	22 6	1 11	4 4	16 42	6 33	6 23	26 29	6 27	1 15
T 23	7 27	19 9	2 36	13 13	1 42	11 49	1 23	9 4	0 8	20 32	0 57	5 55	2 30	18 44	0 37	22 6	1 11	4 5	16 42	6 33	6 25	26 28	6 29	1 15
W24	7 4	14 19	1 34	13 27	1 28	11 22	1 23	9 20	0 8	20 33	0 57	5 56	2 30	18 43	0 37	22 6	1 11	4 6	16 43	6 33	6 26	26 26	6 30	1 15
T 25	6 41	8 51	0 27	13 39	1 14	10 55	1 24	9 37	0 9	20 34	0 57	5 58	2 30	18 42	0 37	22 6	1 11	4 6	16 43	6 33	6 27	26 25	6 31	1 15
F 26	6 18	2 58	0s42	13 49	1 0	10 28	1 24	9 53	0 10	20 35	0 57	6 0	2 30	18 41	0 37	22 6	1 11	4 7	16 43	6 33	6 28	26 23	6 32	1 15
S 27	5 55	3s 7	1 50	13 57	0 46	10 1	1 25	10 9	0 10	20 36	0 57	6 2	2 30	18 41	0 37	22 6	1 11	4 8	16 44	6 33	6 30	26 22	6 33	1 15
S 28	5 32	9 11	2 54	14 4	0 33	9 33	1 25	10 25	0 11	20 37	0 57	6 4	2 30	18 40	0 37	22 6	1 11	4 9	16 44	6 34	6 31	26 20	6 35	1 15
M29	5s 8	14s58	3s49	14s 8	0n20	9s 5	1s26	10n41	0n12	20n38	0n57	6n 6	2n30	18s39	0s37	22n 6	1s11	4n 9	16n44	6s34	6s32	26n19	6n36	1n15

Julian Day Number = 2175459.5, Delta T = 11m56s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°11'56, Lahiri = 13°18'57 Julian Calendar 1 Feb. 1244 == Greg. Calendar 8 Feb. 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

MARCH 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 4 31	18♓ 1'50	13♏ 0	21♒52	11♓28	27♈52	2°R18	20°R22	9♒10	21♊45	0°R 3	13°R22	13♓24	19♋13	13♈49	T 1
W 2	11 8 27	19° 1'23	26°35	22°27	12°43	28°35	2♌14	20♍17	9°13	21°45	0♏ 2	13♓22	13°20	19°20	13°53	W 2
T 3	11 12 24	20° 0'55	10♐24	23° 5	13°57	29°17	2°11	20°12	9°16	21°45	0° 1	13°21	13°17	19°26	13°56	T 3
F 4	11 16 20	21° 0'24	24°25	23°48	15°12	29°59	2° 8	20° 8	9°19	21°46	29♎59	13°D21	13°14	19°33	14° 0	F 4
S 5	11 20 17	21°59'52	8♑38	24°34	16°27	0♉41	2° 5	20° 3	9°22	21°46	29°58	13°21	13°11	19°40	14° 3	S 5
S 6	11 24 13	22°59'18	23° 0	25°23	17°41	1°23	2° 2	19°58	9°25	21°46	29°57	13°22	13° 8	19°46	14° 7	S 6
M 7	11 28 10	23°58'43	7♒29	26°16	18°56	2° 5	1°59	19°54	9°27	21°47	29°56	13°23	13° 5	19°53	14°10	M 7
T 8	11 32 6	24°58'05	21°59	27°12	20°10	2°47	1°57	19°49	9°30	21°47	29°55	13°24	13° 1	20° 0	14°14	T 8
W 9	11 36 3	25°57'25	6♓27	28°11	21°25	3°29	1°54	19°44	9°33	21°48	29°53	13°R24	12°58	20° 7	14°17	W 9
T 10	11 40 0	26°56'44	20°46	29°12	22°39	4°11	1°52	19°40	9°35	21°48	29°52	13°24	12°55	20°13	14°21	T 10
F 11	11 43 56	27°56'00	4♈51	0♓16	23°54	4°53	1°50	19°35	9°38	21°49	29°51	13°24	12°52	20°20	14°24	F 11
S 12	11 47 53	28°55'14	18°39	1°23	25° 8	5°35	1°48	19°30	9°41	21°49	29°49	13°22	12°49	20°27	14°28	S 12
S 13	11 51 49	29°54'26	2♉ 6	2°32	26°23	6°17	1°47	19°26	9°43	21°50	29°48	13°20	12°46	20°33	14°32	S 13
M14	11 55 46	0♈53'36	15°12	3°43	27°37	6°59	1°45	19°21	9°46	21°50	29°46	13°17	12°42	20°40	14°35	M14
T 15	11 59 42	1°52'44	27°57	4°56	28°52	7°41	1°44	19°17	9°48	21°51	29°45	13°15	12°39	20°47	14°39	T 15
W16	12 3 39	2°51'49	10♊23	6°11	0♈ 6	8°22	1°43	19°12	9°50	21°52	29°43	13°13	12°36	20°53	14°43	W16
T 17	12 7 35	3°50'52	22°34	7°28	1°20	9° 4	1°42	19° 8	9°53	21°53	29°42	13°11	12°33	21° 0	14°46	T 17
F 18	12 11 32	4°49'53	4♋33	8°48	2°35	9°46	1°42	19° 3	9°55	21°53	29°41	13°D11	12°30	21° 7	14°50	F 18
S 19	12 15 29	5°48'51	16°26	10° 9	3°49	10°27	1°41	18°59	9°58	21°54	29°39	13°11	12°26	21°13	14°54	S 19
S 20	12 19 25	6°47'47	28°17	11°31	5° 3	11° 9	1°41	18°54	10° 0	21°55	29°38	13°12	12°23	21°20	14°57	S 20
M21	12 23 22	7°46'41	10♌11	12°56	6°18	11°50	1°D41	18°50	10° 2	21°56	29°36	13°14	12°20	21°27	15° 1	M21
T 22	12 27 18	8°45'32	22°12	14°23	7°32	12°32	1°41	18°46	10° 4	21°57	29°34	13°16	12°17	21°34	15° 5	T 22
W23	12 31 15	9°44'21	4♍24	15°51	8°46	13°13	1°41	18°42	10° 6	21°57	29°33	13°17	12°14	21°40	15° 8	W23
T 24	12 35 11	10°43'08	16°51	17°20	10° 1	13°55	1°42	18°37	10° 9	21°58	29°31	13°R17	12°11	21°47	15°12	T 24
F 25	12 39 8	11°41'53	29°34	18°52	11°15	14°36	1°43	18°33	10°11	21°59	29°30	13°16	12° 7	21°54	15°16	F 25
S 26	12 43 4	12°40'35	12♎35	20°25	12°29	15°17	1°43	18°29	10°13	22° 0	29°28	13°14	12° 4	22° 0	15°20	S 26
S 27	12 47 1	13°39'16	25°53	22° 0	13°43	15°59	1°45	18°25	10°15	22° 1	29°27	13°10	12° 1	22° 7	15°23	S 27
M28	12 50 57	14°37'55	9♏27	23°36	14°58	16°40	1°46	18°21	10°17	22° 2	29°25	13° 5	11°58	22°14	15°27	M28
T 29	12 54 54	15°36'31	23°13	25°14	16°12	17°21	1°47	18°17	10°19	22° 4	29°23	13° 0	11°55	22°20	15°31	T 29
W30	12 58 51	16°35'07	7♐11	26°54	17°26	18° 2	1°49	18°13	10°20	22° 5	29°22	12°55	11°52	22°27	15°34	W30
T 31	13 2 47	17♈33'40	21♐15	28♓35	18♈40	18♉43	1♌51	18♍10	10♒22	22♊ 6	29♎20	12♓52	11♓48	22♋34	15♈38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s45	20s 9	4s34	14s10	0n 7	8s37	1s26	10n57	0n12	20n39	0n57	6n 8	2n30	18s38	0s37	22n 6	1s11	4n10	16n45	6s34	6s33	26n17	6n37	1n14
W 2	4 22	24 23	5 4	14 10	0s 5	8 8	1 26	11 13	0 13	20 40	0 57	6 10	2 30	18 37	0 37	22 6	1 11	4 11	16 45	6 34	6 34	26 16	6 38	1 14
T 3	3 58	27 19	5 17	14 9	0 17	7 40	1 26	11 29	0 14	20 41	0 57	6 12	2 30	18 37	0 37	22 6	1 11	4 11	16 46	6 34	6 36	26 14	6 40	1 14
F 4	3 35	28 36	5 11	14 5	0 28	7 11	1 26	11 44	0 15	20 41	0 57	6 14	2 30	18 36	0 37	22 6	1 11	4 12	16 46	6 34	6 37	26 13	6 41	1 14
S 5	3 11	28 2	4 47	14 0	0 39	6 42	1 26	12 0	0 15	20 42	0 57	6 16	2 30	18 35	0 38	22 6	1 11	4 13	16 46	6 34	6 38	26 11	6 42	1 14
S 6	2 48	25 35	4 4	13 53	0 49	6 12	1 26	12 15	0 16	20 42	0 56	6 17	2 30	18 35	0 38	22 6	1 11	4 14	16 47	6 34	6 39	26 10	6 43	1 14
M 7	2 24	21 28	3 6	13 45	0 59	5 43	1 26	12 30	0 17	20 43	0 56	6 19	2 30	18 34	0 38	22 7	1 11	4 14	16 47	6 34	6 41	26 8	6 45	1 14
T 8	2 0	16 4	1 56	13 34	1 9	5 13	1 26	12 46	0 17	20 44	0 56	6 21	2 30	18 33	0 38	22 7	1 11	4 15	16 47	6 33	6 42	26 7	6 46	1 14
W 9	1 37	9 47	0 38	13 22	1 17	4 44	1 26	13 1	0 18	20 44	0 56	6 23	2 30	18 32	0 38	22 7	1 10	4 16	16 47	6 33	6 43	26 5	6 47	1 14
T 10	1 13	3 3	0n41	13 8	1 26	4 14	1 25	13 16	0 18	20 44	0 56	6 25	2 31	18 32	0 38	22 7	1 10	4 16	16 48	6 33	6 44	26 4	6 49	1 14
F 11	0 50	3n42	1 56	12 53	1 34	3 44	1 25	13 30	0 19	20 45	0 56	6 27	2 31	18 31	0 38	22 7	1 10	4 17	16 48	6 33	6 45	26 2	6 50	1 14
S 12	0 26	10 9	3 3	12 36	1 41	3 14	1 24	13 45	0 20	20 45	0 56	6 29	2 31	18 30	0 38	22 7	1 10	4 18	16 48	6 34	6 47	26 0	6 51	1 13
S 13	0 2	15 58	3 58	12 18	1 48	2 44	1 24	14 0	0 20	20 46	0 56	6 30	2 31	18 30	0 38	22 7	1 10	4 19	16 49	6 35	6 48	25 59	6 53	1 13
M14	0n21	20 54	4 38	11 58	1 54	2 14	1 23	14 14	0 21	20 46	0 56	6 32	2 31	18 29	0 38	22 7	1 10	4 19	16 49	6 36	6 49	25 57	6 54	1 13
T 15	0 45	24 43	5 4	11 36	2 0	1 43	1 23	14 28	0 22	20 46	0 56	6 34	2 30	18 29	0 38	22 7	1 10	4 20	16 49	6 37	6 50	25 56	6 55	1 13
W16	1 9	27 17	5 15	11 13	2 5	1 13	1 22	14 42	0 22	20 46	0 56	6 36	2 30	18 28	0 38	22 7	1 10	4 21	16 49	6 37	6 52	25 54	6 57	1 13
T 17	1 32	28 30	5 11	10 49	2 10	0 43	1 21	14 56	0 23	20 46	0 56	6 38	2 30	18 27	0 38	22 7	1 10	4 21	16 50	6 38	6 53	25 53	6 58	1 13
F 18	1 56	28 21	4 54	10 23	2 14	0 12	1 21	15 10	0 24	20 46	0 56	6 39	2 30	18 27	0 38	22 7	1 10	4 22	16 50	6 38	6 54	25 51	6 59	1 13
S 19	2 19	26 53	4 24	9 56	2 18	0n18	1 20	15 24	0 24	20 46	0 56	6 41	2 30	18 26	0 38	22 8	1 10	4 23	16 50	6 38	6 55	25 49	7 1	1 13
S 20	2 43	24 14	3 43	9 27	2 21	0 49	1 19	15 38	0 25	20 46	0 56	6 43	2 30	18 26	0 38	22 8	1 10	4 24	16 50	6 38	6 56	25 48	7 2	1 13
M21	3 6	20 32	2 52	8 57	2 24	1 19	1 18	15 51	0 25	20 46	0 56	6 44	2 30	18 25	0 38	22 8	1 10	4 24	16 50	6 37	6 58	25 46	7 3	1 13
T 22	3 29	15 57	1 53	8 26	2 27	1 50	1 17	16 4	0 26	20 46	0 56	6 46	2 30	18 24	0 38	22 8	1 10	4 25	16 51	6 36	6 59	25 44	7 5	1 13
W23	3 52	10 41	0 49	7 53	2 28	2 20	1 16	16 18	0 26	20 46	0 55	6 48	2 30	18 24	0 38	22 8	1 10	4 26	16 51	6 36	7 0	25 43	7 6	1 13
T 24	4 16	4 55	0s20	7 19	2 30	2 50	1 15	16 31	0 27	20 46	0 55	6 49	2 30	18 23	0 38	22 8	1 10	4 26	16 51	6 36	7 1	25 41	7 7	1 12
F 25	4 39	1s11	1 28	6 44	2 30	3 21	1 13	16 44	0 28	20 46	0 55	6 51	2 30	18 23	0 38	22 8	1 10	4 27	16 51	6 36	7 3	25 39	7 9	1 12
S 26	5 2	7 21	2 34	6 7	2 31	3 51	1 12	16 56	0 28	20 45	0 55	6 52	2 30	18 22	0 38	22 8	1 10	4 28	16 51	6 37	7 4	25 38	7 10	1 12
S 27	5 25	13 20	3 32	5 29	2 30	4 21	1 11	17 9	0 29	20 45	0 55	6 54	2 30	18 22	0 38	22 8	1 10	4 28	16 51	6 39	7 5	25 36	7 12	1 12
M28	5 47	18 48	4 20	4 50	2 29	4 51	1 9	17 21	0 29	20 45	0 55	6 55	2 30	18 21	0 38	22 9	1 10	4 29	16 51	6 40	7 6	25 34	7 13	1 12
T 29	6 10	23 23	4 53	4 10	2 28	5 21	1 8	17 34	0 30	20 44	0 55	6 57	2 30	18 21	0 38	22 9	1 10	4 30	16 52	6 42	7 7	25 33	7 14	1 12
W30	6 33	26 41	5 10	3 28	2 26	5 51	1 6	17 46	0 30	20 44	0 55	6 58	2 30	18 20	0 38	22 9	1 9	4 30	16 52	6 44	7 9	25 31	7 16	1 12
T 31	6n55	28s22	5s 8	2s46	2s24	6n21	1s 5	17n58	0n31	20n43	0n55	7n 0	2n30	18s20	0s38	22n 9	1s 9	4n31	16n52	6s45	7s10	25n29	7n17	1n12

Julian Day Number = 2175488.5, Delta T = 11m56s
Ecliptic obliquity = 23°32'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'00, Lahiri = 13°19'01 Julian Calendar 1 March 1244 == Greg. Calendar 8 March 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

APRIL 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 6 44	18♈32'12	5♉24	0♈18	19♈54	19♉25	1♌53	18°R 6	10♒24	22♊ 7	29°R18	12°R50	11♓45	22♋40	15♈42	F 1
S 2	13 10 40	19°30'42	19°35	2° 3	21° 8	20° 6	1°55	18♍ 2	10°26	22° 8	29♎17	12°D49	11°42	22°47	15°46	S 2
S 3	13 14 37	20°29'11	3♒45	3°49	22°23	20°47	1°57	17°59	10°27	22° 9	29°15	12♓49	11°39	22°54	15°49	S 3
M 4	13 18 33	21°27'38	17°54	5°37	23°37	21°28	2° 0	17°55	10°29	22°11	29°13	12°51	11°36	23° 0	15°53	M 4
T 5	13 22 30	22°26'03	1♓59	7°27	24°51	22° 8	2° 2	17°52	10°31	22°12	29°12	12°52	11°32	23° 7	15°57	T 5
W 6	13 26 26	23°24'27	15°59	9°18	26° 5	22°49	2° 5	17°48	10°32	22°13	29°10	12°R52	11°29	23°14	16° 0	W 6
T 7	13 30 23	24°22'48	29°51	11°11	27°19	23°30	2° 8	17°45	10°34	22°15	29° 8	12°51	11°26	23°21	16° 4	T 7
F 8	13 34 20	25°21'09	13♈32	13° 5	28°33	24°11	2°11	17°42	10°35	22°16	29° 7	12°48	11°23	23°27	16° 8	F 8
S 9	13 38 16	26°19'27	27° 1	15° 2	29°47	24°52	2°15	17°39	10°37	22°17	29° 5	12°43	11°20	23°34	16°12	S 9
S 10	13 42 13	27°17'44	10♉15	16°59	1♉ 1	25°33	2°18	17°35	10°38	22°19	29° 3	12°36	11°17	23°41	16°15	S 10
M11	13 46 9	28°15'58	23°12	18°59	2°15	26°13	2°22	17°32	10°40	22°20	29° 2	12°28	11°13	23°47	16°19	M11
T 12	13 50 6	29°14'11	5♊52	21° 0	3°29	26°54	2°26	17°30	10°41	22°22	29° 0	12°19	11°10	23°54	16°23	T 12
W13	13 54 2	0♉12'22	18°16	23° 3	4°43	27°35	2°30	17°27	10°42	22°23	28°58	12°12	11° 7	24° 1	16°26	W13
T 14	13 57 59	1°10'31	0♋27	25° 7	5°57	28°15	2°34	17°24	10°43	22°25	28°57	12° 6	11° 4	24° 7	16°30	T 14
F 15	14 1 55	2° 8'38	12°26	27°12	7°11	28°56	2°39	17°21	10°44	22°26	28°55	12° 2	11° 1	24°14	16°33	F 15
S 16	14 5 52	3° 6'44	24°18	29°19	8°25	29°37	2°43	17°19	10°46	22°28	28°53	12° 0	10°57	24°21	16°37	S 16
S 17	14 9 49	4° 4'47	6♌ 9	1♉27	9°39	0♊17	2°48	17°16	10°47	22°29	28°52	11°D59	10°54	24°27	16°41	S 17
M18	14 13 45	5° 2'48	18° 2	3°36	10°53	0°58	2°53	17°14	10°48	22°31	28°50	12° 0	10°51	24°34	16°44	M18
T 19	14 17 42	6° 0'47	0♍ 4	5°45	12° 7	1°38	2°58	17°12	10°49	22°33	28°48	12° 1	10°48	24°41	16°48	T 19
W20	14 21 38	6°58'44	12°19	7°55	13°21	2°18	3° 3	17° 9	10°49	22°34	28°46	12°R 1	10°45	24°47	16°51	W20
T 21	14 25 35	7°56'40	24°52	10° 6	14°34	2°59	3° 8	17° 7	10°50	22°36	28°45	12° 1	10°42	24°54	16°55	T 21
F 22	14 29 31	8°54'33	7♎46	12°16	15°48	3°39	3°14	17° 5	10°51	22°38	28°43	11°58	10°38	25° 1	16°58	F 22
S 23	14 33 28	9°52'25	21° 2	14°27	17° 2	4°19	3°20	17° 3	10°52	22°40	28°41	11°52	10°35	25° 8	17° 2	S 23
S 24	14 37 24	10°50'16	4♏41	16°37	18°16	5° 0	3°25	17° 1	10°53	22°41	28°40	11°45	10°32	25°14	17° 5	S 24
M25	14 41 21	11°48'05	18°39	18°46	19°30	5°40	3°31	17° 0	10°53	22°43	28°38	11°36	10°29	25°21	17° 9	M25
T 26	14 45 18	12°45'52	2♐54	20°54	20°43	6°20	3°37	16°58	10°54	22°45	28°37	11°27	10°26	25°28	17°12	T 26
W27	14 49 14	13°43'38	17°18	23° 0	21°57	7° 0	3°44	16°56	10°55	22°47	28°35	11°17	10°23	25°34	17°16	W27
T 28	14 53 11	14°41'23	1♑47	25° 5	23°11	7°40	3°50	16°55	10°55	22°48	28°33	11°10	10°19	25°41	17°19	T 28
F 29	14 57 7	15°39'07	16°13	27° 8	24°25	8°20	3°57	16°54	10°56	22°50	28°32	11° 4	10°16	25°48	17°23	F 29
S 30	15 1 4	16♉36'50	0♒34	29♉ 9	25♉38	9♊ 0	4♌ 3	16♍52	10♒56	22♊52	28♎30	11♓ 1	10♓13	25♋54	17♈26	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n18	28s13	4s48	2s 2	2s21	6n50	1s 3	18n10	0n32	20n43	0n55	7n 1	2n30	18s19	0s38	22n 9	1s 9	4n31	16n52	6s46	7s11	25n28	7n19	1n12
S 2	7 40	26 13	4 10	1 17	2 18	7 20	1 2	18 21	0 32	20 42	0 55	7 2	2 29	18 19	0 38	22 9	1 9	4 32	16 52	6 47	7 12	25 26	7 20	1 12
S 3	8 2	22 35	3 17	0 31	2 14	7 49	1 0	18 33	0 33	20 42	0 55	7 4	2 29	18 18	0 38	22 9	1 9	4 33	16 52	6 46	7 13	25 24	7 21	1 12
M 4	8 24	17 37	2 12	0n16	2 9	8 18	0 58	18 44	0 33	20 41	0 55	7 5	2 29	18 18	0 38	22 9	1 9	4 33	16 52	6 46	7 15	25 23	7 23	1 12
T 5	8 46	11 44	0 59	1 4	2 4	8 47	0 57	18 55	0 34	20 40	0 54	7 6	2 29	18 18	0 38	22 9	1 9	4 34	16 52	6 45	7 16	25 21	7 24	1 12
W 6	9 8	5 18	0n17	1 53	1 59	9 16	0 55	19 6	0 34	20 40	0 54	7 7	2 29	18 17	0 39	22 10	1 9	4 35	16 52	6 45	7 17	25 19	7 25	1 12
T 7	9 29	1n20	1 31	2 43	1 53	9 44	0 53	19 17	0 35	20 39	0 54	7 9	2 29	18 17	0 39	22 10	1 9	4 35	16 52	6 46	7 18	25 17	7 27	1 12
F 8	9 51	7 48	2 38	3 33	1 46	10 13	0 51	19 28	0 35	20 38	0 54	7 10	2 29	18 16	0 39	22 10	1 9	4 36	16 52	6 47	7 20	25 16	7 28	1 11
S 9	10 12	13 48	3 36	4 25	1 39	10 41	0 49	19 38	0 36	20 37	0 54	7 11	2 29	18 16	0 39	22 10	1 9	4 36	16 52	6 49	7 21	25 14	7 30	1 11
S 10	10 33	19 4	4 20	5 17	1 32	11 8	0 47	19 49	0 36	20 36	0 54	7 12	2 28	18 16	0 39	22 10	1 9	4 37	16 52	6 52	7 22	25 12	7 31	1 11
M11	10 54	23 20	4 51	6 10	1 24	11 36	0 45	19 59	0 37	20 35	0 54	7 13	2 28	18 15	0 39	22 10	1 9	4 37	16 52	6 55	7 23	25 10	7 32	1 11
T 12	11 15	26 23	5 6	7 4	1 16	12 3	0 43	20 9	0 37	20 35	0 54	7 14	2 28	18 15	0 39	22 10	1 9	4 38	16 52	6 58	7 24	25 8	7 34	1 11
W13	11 36	28 6	5 6	7 57	1 7	12 30	0 41	20 19	0 38	20 34	0 54	7 15	2 28	18 15	0 39	22 10	1 9	4 38	16 52	7 1	7 26	25 7	7 35	1 11
T 14	11 56	28 24	4 52	8 52	0 58	12 57	0 39	20 28	0 38	20 32	0 54	7 16	2 28	18 14	0 39	22 11	1 9	4 39	16 52	7 3	7 27	25 5	7 36	1 11
F 15	12 16	27 22	4 26	9 46	0 48	13 23	0 37	20 38	0 39	20 31	0 54	7 17	2 28	18 14	0 39	22 11	1 9	4 39	16 52	7 5	7 28	25 3	7 38	1 11
S 16	12 36	25 5	3 48	10 41	0 39	13 49	0 35	20 47	0 39	20 30	0 54	7 18	2 28	18 14	0 39	22 11	1 9	4 40	16 52	7 6	7 29	25 1	7 39	1 11
S 17	12 56	21 44	3 1	11 35	0 29	14 15	0 33	20 56	0 40	20 29	0 54	7 19	2 27	18 14	0 39	22 11	1 9	4 40	16 52	7 6	7 30	24 59	7 40	1 11
M18	13 16	17 28	2 5	12 29	0 18	14 40	0 30	21 5	0 40	20 28	0 54	7 19	2 27	18 13	0 39	22 11	1 9	4 41	16 52	7 5	7 32	24 58	7 42	1 11
T 19	13 35	12 29	1 4	13 22	0 8	15 5	0 28	21 14	0 40	20 27	0 53	7 20	2 27	18 13	0 39	22 11	1 9	4 41	16 52	7 5	7 33	24 56	7 43	1 11
W20	13 54	6 56	0s 2	14 15	0n 3	15 30	0 26	21 23	0 41	20 25	0 53	7 21	2 27	18 13	0 39	22 11	1 9	4 42	16 52	7 5	7 34	24 54	7 44	1 11
T 21	14 13	1 0	1 8	15 7	0 13	15 54	0 24	21 31	0 41	20 24	0 53	7 22	2 27	18 13	0 39	22 11	1 9	4 42	16 51	7 5	7 35	24 52	7 46	1 11
F 22	14 32	5s 8	2 13	15 58	0 24	16 18	0 21	21 39	0 42	20 23	0 53	7 22	2 27	18 13	0 39	22 12	1 9	4 43	16 51	7 6	7 36	24 50	7 47	1 11
S 23	14 50	11 13	3 13	16 47	0 34	16 41	0 19	21 47	0 42	20 21	0 53	7 23	2 26	18 12	0 39	22 12	1 9	4 43	16 51	7 8	7 38	24 48	7 48	1 11
S 24	15 8	16 57	4 3	17 35	0 45	17 4	0 17	21 55	0 43	20 20	0 53	7 23	2 26	18 12	0 39	22 12	1 8	4 44	16 51	7 11	7 39	24 47	7 50	1 11
M25	15 26	21 56	4 40	18 21	0 55	17 27	0 14	22 3	0 43	20 18	0 53	7 24	2 26	18 12	0 39	22 12	1 8	4 44	16 51	7 14	7 40	24 45	7 51	1 11
T 26	15 44	25 44	5 0	19 5	1 4	17 49	0 12	22 10	0 44	20 17	0 53	7 24	2 26	18 12	0 39	22 12	1 8	4 44	16 51	7 18	7 41	24 43	7 52	1 11
W27	16 2	27 56	5 2	19 47	1 14	18 11	0 9	22 18	0 44	20 15	0 53	7 25	2 26	18 12	0 39	22 12	1 8	4 45	16 51	7 22	7 43	24 41	7 53	1 11
T 28	16 19	28 16	4 44	20 27	1 22	18 32	0 7	22 25	0 44	20 14	0 53	7 25	2 26	18 12	0 39	22 12	1 8	4 45	16 50	7 25	7 44	24 39	7 55	1 10
F 29	16 36	26 40	4 9	21 4	1 31	18 53	0 5	22 32	0 45	20 12	0 53	7 26	2 25	18 12	0 39	22 12	1 8	4 46	16 50	7 27	7 45	24 37	7 56	1 10
S 30	16n52	23s20	3s18	21n39	1n38	19n13	0s 2	22n38	0n45	20n11	0n53	7n26	2n25	18s12	0s39	22n13	1s 8	4n46	16n50	7s28	7s46	24n35	7n57	1n10

Julian Day Number = 2175519.5, Delta T = 11m56s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'05, Lahiri = 13°19'05 Julian Calendar 1 Apr. 1244 == Greg. Calendar 8 Apr. 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

MAY 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 5 0	17♉34'31	14♒45	1♊ 8	26♉52	9♊40	4♌10	16°R51	10♒56	22♊54	28°R29	11°D 0	10♓10	26♋ 1	17♈29	S 1
M 2	15 8 57	18°32'11	28°46	3° 5	28° 6	10°20	4°17	16♍50	10°57	22°56	28♎27	11♓ 0	10° 7	26° 8	17°33	M 2
T 3	15 12 53	19°29'51	12♓35	4°59	29°20	11° 0	4°24	16°49	10°57	22°58	28°25	11°R 1	10° 3	26°14	17°36	T 3
W 4	15 16 50	20°27'29	26°14	6°50	0♊33	11°40	4°31	16°48	10°57	23° 0	28°24	11° 0	10° 0	26°21	17°39	W 4
T 5	15 20 47	21°25'06	9♈42	8°39	1°47	12°20	4°38	16°48	10°57	23° 2	28°22	10°57	9°57	26°28	17°42	T 5
F 6	15 24 43	22°22'42	23° 0	10°24	3° 1	13° 0	4°46	16°47	10°58	23° 4	28°21	10°51	9°54	26°34	17°46	F 6
S 7	15 28 40	23°20'18	6♉ 6	12° 7	4°14	13°40	4°53	16°46	10°58	23° 6	28°19	10°43	9°51	26°41	17°49	S 7
S 8	15 32 36	24°17'52	19° 0	13°47	5°28	14°20	5° 1	16°46	10°R58	23° 8	28°18	10°32	9°48	26°48	17°52	S 8
M 9	15 36 33	25°15'25	1♊42	15°24	6°41	15° 0	5° 9	16°46	10°58	23°10	28°16	10°20	9°44	26°54	17°55	M 9
T 10	15 40 29	26°12'57	14°11	16°58	7°55	15°39	5°17	16°45	10°58	23°12	28°15	10° 7	9°41	27° 1	17°58	T 10
W11	15 44 26	27°10'27	26°27	18°28	9° 9	16°19	5°25	16°45	10°57	23°14	28°14	9°55	9°38	27° 8	18° 1	W11
T 12	15 48 22	28° 7'57	8♋33	19°56	10°22	16°59	5°33	16°D45	10°57	23°16	28°12	9°45	9°35	27°15	18° 4	T 12
F 13	15 52 19	29° 5'25	20°29	21°21	11°36	17°38	5°42	16°45	10°57	23°18	28°11	9°37	9°32	27°21	18° 7	F 13
S 14	15 56 16	0♊ 2'52	2♌19	22°42	12°49	18°18	5°50	16°45	10°57	23°20	28° 9	9°31	9°29	27°28	18°10	S 14
S 15	16 0 12	1° 0'18	14° 8	24° 0	14° 3	18°58	5°59	16°46	10°57	23°22	28° 8	9°29	9°25	27°35	18°13	S 15
M16	16 4 9	1°57'42	26° 0	25°15	15°16	19°37	6° 7	16°46	10°56	23°24	28° 7	9°28	9°22	27°41	18°16	M16
T 17	16 8 5	2°55'06	8♍ 1	26°26	16°30	20°17	6°16	16°46	10°56	23°26	28° 5	9°28	9°19	27°48	18°19	T 17
W18	16 12 2	3°52'28	20°15	27°34	17°43	20°56	6°25	16°47	10°55	23°28	28° 4	9°27	9°16	27°55	18°22	W18
T 19	16 15 58	4°49'49	2♎49	28°39	18°57	21°36	6°34	16°48	10°55	23°31	28° 3	9°26	9°13	28° 1	18°25	T 19
F 20	16 19 55	5°47'09	15°46	29°40	20°10	22°15	6°43	16°48	10°54	23°33	28° 2	9°22	9° 9	28° 8	18°28	F 20
S 21	16 23 51	6°44'28	29° 9	0♋38	21°24	22°55	6°52	16°49	10°54	23°35	28° 0	9°16	9° 6	28°15	18°30	S 21
S 22	16 27 48	7°41'46	13♏ 0	1°32	22°37	23°34	7° 1	16°50	10°53	23°37	27°59	9° 8	9° 3	28°21	18°33	S 22
M23	16 31 45	8°39'03	27°16	2°22	23°51	24°14	7°11	16°51	10°52	23°39	27°58	8°57	9° 0	28°28	18°36	M23
T 24	16 35 41	9°36'19	11♐51	3° 9	25° 4	24°53	7°20	16°52	10°52	23°41	27°57	8°46	8°57	28°35	18°38	T 24
W25	16 39 38	10°33'35	26°40	3°51	26°18	25°32	7°30	16°54	10°51	23°44	27°56	8°35	8°54	28°41	18°41	W25
T 26	16 43 34	11°30'50	11♑33	4°29	27°31	26°12	7°40	16°55	10°50	23°46	27°55	8°26	8°50	28°48	18°44	T 26
F 27	16 47 31	12°28'05	26°22	5° 4	28°44	26°51	7°49	16°56	10°49	23°48	27°53	8°19	8°47	28°55	18°46	F 27
S 28	16 51 27	13°25'19	11♒ 0	5°34	29°58	27°30	7°59	16°58	10°48	23°50	27°52	8°15	8°44	29° 1	18°49	S 28
S 29	16 55 24	14°22'33	25°22	6° 0	1♋11	28° 9	8° 9	17° 0	10°47	23°52	27°51	8°13	8°41	29° 8	18°51	S 29
M30	16 59 21	15°19'47	9♓26	6°21	2°24	28°49	8°19	17° 1	10°46	23°55	27°50	8°13	8°38	29°15	18°53	M30
T 31	17 3 17	16♊17'01	23♓12	6♋38	3♋38	29♊28	8♌29	17♍ 3	10♒45	23♊57	27♎49	8♓13	8♓35	29♋21	18♈56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 9	18s38	2s15	22n12	1n46	19n33	0n 0	22n45	0n46	20n 9	0n53	7n26	2n25	18s11	0s39	22n13	1s 8	4n46	16n50	7s28	7s47	24n33	7n59	1n10
M 2	17 25	12 58	1 5	22 41	1 52	19 52	0 3	22 51	0 46	20 7	0 53	7 26	2 25	18 11	0 39	22 13	1 8	4 46	16 49	7 28	7 49	24 31	8 0	1 10
T 3	17 41	6 44	0n 8	23 9	1 58	20 10	0 5	22 57	0 46	20 5	0 52	7 27	2 25	18 11	0 40	22 13	1 8	4 47	16 49	7 28	7 50	24 30	8 1	1 10
W 4	17 56	0 17	1 20	23 33	2 3	20 28	0 7	23 3	0 47	20 4	0 52	7 27	2 24	18 11	0 40	22 13	1 8	4 47	16 49	7 28	7 51	24 28	8 2	1 10
T 5	18 12	6n 6	2 26	23 55	2 7	20 46	0 10	23 9	0 47	20 2	0 52	7 27	2 24	18 11	0 40	22 13	1 8	4 47	16 49	7 30	7 52	24 26	8 3	1 10
F 6	18 27	12 7	3 23	24 15	2 10	21 3	0 12	23 15	0 48	20 0	0 52	7 27	2 24	18 11	0 40	22 13	1 8	4 48	16 48	7 32	7 53	24 24	8 5	1 10
S 7	18 41	17 31	4 8	24 32	2 13	21 19	0 15	23 20	0 48	19 58	0 52	7 27	2 24	18 11	0 40	22 14	1 8	4 48	16 48	7 35	7 55	24 22	8 6	1 10
S 8	18 55	22 2	4 40	24 47	2 15	21 35	0 17	23 25	0 48	19 56	0 52	7 27	2 24	18 11	0 40	22 14	1 8	4 48	16 48	7 39	7 56	24 20	8 7	1 10
M 9	19 10	25 26	4 57	24 59	2 16	21 50	0 20	23 30	0 49	19 54	0 52	7 27	2 23	18 11	0 40	22 14	1 8	4 48	16 48	7 44	7 57	24 18	8 8	1 10
T 10	19 23	27 34	5 0	25 9	2 16	22 5	0 22	23 35	0 49	19 52	0 52	7 27	2 23	18 11	0 40	22 14	1 8	4 49	16 47	7 48	7 58	24 16	8 9	1 10
W11	19 37	28 18	4 49	25 17	2 16	22 19	0 24	23 39	0 50	19 50	0 52	7 27	2 23	18 12	0 40	22 14	1 8	4 49	16 47	7 53	7 59	24 14	8 11	1 10
T 12	19 50	27 39	4 24	25 23	2 14	22 32	0 27	23 44	0 50	19 48	0 52	7 27	2 23	18 12	0 40	22 14	1 8	4 49	16 47	7 57	8 1	24 12	8 12	1 10
F 13	20 2	25 44	3 49	25 27	2 12	22 45	0 29	23 48	0 50	19 46	0 52	7 26	2 23	18 12	0 40	22 14	1 8	4 49	16 46	8 0	8 2	24 10	8 13	1 10
S 14	20 15	22 42	3 3	25 29	2 9	22 57	0 32	23 52	0 51	19 44	0 52	7 26	2 22	18 12	0 40	22 14	1 8	4 49	16 46	8 2	8 3	24 8	8 14	1 10
S 15	20 27	18 44	2 10	25 30	2 6	23 9	0 34	23 56	0 51	19 42	0 52	7 26	2 22	18 12	0 40	22 15	1 8	4 49	16 46	8 3	8 4	24 6	8 15	1 10
M16	20 38	14 1	1 11	25 28	2 1	23 19	0 36	23 59	0 51	19 39	0 52	7 25	2 22	18 12	0 40	22 15	1 8	4 49	16 45	8 3	8 5	24 4	8 16	1 10
T 17	20 50	8 43	0 8	25 25	1 56	23 29	0 38	24 2	0 52	19 37	0 52	7 25	2 22	18 12	0 40	22 15	1 8	4 50	16 45	8 3	8 7	24 2	8 17	1 10
W18	21 1	3 0	0s57	25 21	1 50	23 39	0 41	24 6	0 52	19 35	0 52	7 25	2 22	18 12	0 40	22 15	1 8	4 50	16 45	8 3	8 8	24 0	8 18	1 10
T 19	21 11	2s58	2 0	25 15	1 43	23 48	0 43	24 9	0 52	19 33	0 52	7 24	2 21	18 13	0 40	22 15	1 8	4 50	16 44	8 4	8 9	23 58	8 19	1 10
F 20	21 22	8 59	2 59	25 7	1 35	23 56	0 45	24 11	0 53	19 30	0 52	7 24	2 21	18 13	0 40	22 15	1 8	4 50	16 44	8 5	8 10	23 56	8 20	1 10
S 21	21 32	14 49	3 51	24 59	1 27	24 3	0 47	24 14	0 53	19 28	0 51	7 23	2 21	18 13	0 40	22 15	1 8	4 50	16 43	8 8	8 11	23 54	8 21	1 10
S 22	21 41	20 5	4 30	24 49	1 17	24 10	0 50	24 16	0 53	19 25	0 51	7 23	2 21	18 13	0 40	22 15	1 8	4 50	16 43	8 11	8 13	23 52	8 22	1 10
M23	21 50	24 24	4 54	24 38	1 7	24 15	0 52	24 18	0 54	19 23	0 51	7 22	2 21	18 13	0 40	22 16	1 8	4 50	16 43	8 15	8 14	23 50	8 23	1 10
T 24	21 59	27 15	5 0	24 27	0 57	24 21	0 54	24 20	0 54	19 20	0 51	7 21	2 20	18 14	0 40	22 16	1 8	4 50	16 42	8 19	8 15	23 48	8 24	1 10
W25	22 7	28 15	4 46	24 14	0 45	24 25	0 56	24 22	0 54	19 18	0 51	7 21	2 20	18 14	0 40	22 16	1 8	4 50	16 42	8 23	8 16	23 46	8 25	1 10
T 26	22 15	27 13	4 12	24 1	0 33	24 29	0 58	24 24	0 55	19 15	0 51	7 20	2 20	18 14	0 40	22 16	1 8	4 50	16 41	8 27	8 17	23 44	8 26	1 10
F 27	22 23	24 16	3 22	23 47	0 21	24 32	1 0	24 25	0 55	19 13	0 51	7 19	2 20	18 14	0 40	22 16	1 8	4 50	16 41	8 29	8 19	23 42	8 27	1 10
S 28	22 30	19 46	2 19	23 33	0 7	24 34	1 2	24 26	0 55	19 10	0 51	7 18	2 20	18 15	0 40	22 16	1 8	4 50	16 40	8 31	8 20	23 40	8 28	1 10
S 29	22 37	14 11	1 7	23 18	0s 7	24 36	1 4	24 27	0 56	19 8	0 51	7 18	2 19	18 15	0 40	22 16	1 8	4 50	16 40	8 31	8 21	23 38	8 29	1 10
M30	22 44	7 58	0n 6	23 2	0 21	24 37	1 6	24 28	0 56	19 5	0 51	7 17	2 19	18 15	0 40	22 16	1 8	4 50	16 40	8 31	8 22	23 35	8 30	1 10
T 31	22n50	1s31	1n18	22n46	0s36	24n37	1n 8	24n29	0n56	19n 2	0n51	7n16	2n19	18s16	0s41	22n17	1s 8	4n50	16n39	8s31	8s23	23n33	8n31	1n10

Julian Day Number = 2175549.5, Delta T = 11m56s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'09, Lahiri = 13°19'09 Julian Calendar 1 May 1244 == Greg. Calendar 8 May 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

JUNE 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 7 14	17♊14'14	6♈41	6♋50	4♋51	0♋ 7	8♌40	17♍ 5	10°R44	23♊59	27°R48	8°R12	8♓31	29♋28	18♈58	W 1
T 2	17 11 10	18°11'27	19°54	6°58	6° 4	0°46	8°50	17° 7	10♒43	24° 1	27♎48	8♓ 9	8°28	29°35	19° 0	T 2
F 3	17 15 7	19° 8'40	2♉53	7°R 2	7°18	1°25	9° 0	17° 9	10°42	24° 3	27°47	8° 3	8°25	29°41	19° 3	F 3
S 4	17 19 3	20° 5'53	15°40	7° 0	8°31	2° 4	9°11	17°12	10°41	24° 6	27°46	7°55	8°22	29°48	19° 5	S 4
S 5	17 23 0	21° 3'06	28°16	6°55	9°44	2°43	9°21	17°14	10°39	24° 8	27°45	7°44	8°19	29°55	19° 7	S 5
M 6	17 26 56	22° 0'19	10♊42	6°44	10°57	3°22	9°32	17°16	10°38	24°10	27°44	7°31	8°15	0♌ 2	19° 9	M 6
T 7	17 30 53	22°57'31	22°57	6°30	12°11	4° 1	9°43	17°19	10°37	24°12	27°43	7°18	8°12	0° 8	19°11	T 7
W 8	17 34 50	23°54'43	5♋ 3	6°12	13°24	4°40	9°53	17°22	10°35	24°15	27°43	7° 6	8° 9	0°15	19°13	W 8
T 9	17 38 46	24°51'55	17° 1	5°49	14°37	5°19	10° 4	17°24	10°34	24°17	27°42	6°56	8° 6	0°22	19°15	T 9
F 10	17 42 43	25°49'07	28°53	5°23	15°50	5°58	10°15	17°27	10°33	24°19	27°41	6°47	8° 3	0°28	19°17	F 10
S 11	17 46 39	26°46'18	10♌41	4°55	17° 3	6°37	10°26	17°30	10°31	24°21	27°41	6°42	8° 0	0°35	19°19	S 11
S 12	17 50 36	27°43'29	22°29	4°23	18°17	7°16	10°37	17°33	10°30	24°24	27°40	6°39	7°56	0°42	19°21	S 12
M13	17 54 32	28°40'40	4♍20	3°49	19°30	7°55	10°49	17°36	10°28	24°26	27°39	6°D38	7°53	0°48	19°23	M13
T 14	17 58 29	29°37'50	16°19	3°14	20°43	8°34	11° 0	17°39	10°26	24°28	27°39	6°38	7°50	0°55	19°24	T 14
W15	18 2 25	0♋35'00	28°32	2°37	21°56	9°13	11°11	17°42	10°25	24°30	27°38	6°R39	7°47	1° 2	19°26	W15
T 16	18 6 22	1°32'10	11♎ 4	2° 0	23° 9	9°52	11°22	17°46	10°23	24°32	27°38	6°38	7°44	1° 8	19°28	T 16
F 17	18 10 19	2°29'20	23°59	1°23	24°22	10°31	11°34	17°49	10°21	24°35	27°37	6°36	7°41	1°15	19°29	F 17
S 18	18 14 15	3°26'29	7♏21	0°47	25°35	11° 9	11°45	17°53	10°20	24°37	27°37	6°32	7°37	1°22	19°31	S 18
S 19	18 18 12	4°23'39	21°13	0°13	26°48	11°48	11°57	17°56	10°18	24°39	27°36	6°26	7°34	1°28	19°32	S 19
M20	18 22 8	5°20'48	5♐33	29♊40	28° 1	12°27	12° 9	18° 0	10°16	24°41	27°36	6°18	7°31	1°35	19°34	M20
T 21	18 26 5	6°17'58	20°18	29°10	29°14	13° 6	12°20	18° 4	10°14	24°44	27°36	6° 9	7°28	1°42	19°35	T 21
W22	18 30 1	7°15'08	5♑20	28°43	0♌27	13°44	12°32	18° 7	10°12	24°46	27°35	6° 0	7°25	1°48	19°37	W22
T 23	18 33 58	8°12'18	20°30	28°20	1°40	14°23	12°44	18°11	10°10	24°48	27°35	5°53	7°21	1°55	19°38	T 23
F 24	18 37 55	9° 9'28	5♒37	28° 1	2°53	15° 2	12°56	18°15	10° 9	24°50	27°35	5°47	7°18	2° 2	19°39	F 24
S 25	18 41 51	10° 6'39	20°33	27°46	4° 6	15°41	13° 8	18°19	10° 7	24°52	27°35	5°44	7°15	2° 8	19°40	S 25
S 26	18 45 48	11° 3'50	5♓11	27°37	5°19	16°19	13°19	18°24	10° 5	24°54	27°35	5°D44	7°12	2°15	19°41	S 26
M27	18 49 44	12° 1'01	19°27	27°D32	6°32	16°58	13°31	18°28	10° 3	24°57	27°34	5°44	7° 9	2°22	19°43	M27
T 28	18 53 41	12°58'14	3♈19	27°32	7°45	17°36	13°43	18°32	10° 1	24°59	27°34	5°45	7° 6	2°28	19°44	T 28
W29	18 57 37	13°55'27	16°48	27°38	8°58	18°15	13°56	18°37	9°59	25° 1	27°34	5°R45	7° 2	2°35	19°45	W29
T 30	19 1 34	14♋52'41	29♈56	27♊50	10♌10	18♋54	14♌ 8	18♍41	9♒56	25♊ 3	27♎34	5♓44	6♓59	2♌42	19♈45	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n55	4n52	2n24	22n30	0s51	24n36	1n 9	24n29	0n57	19n 0	0n51	7n15	2n19	18s16	0s41	22n17	1s 8	4n49	16n39	8s32	8s25	23n31	8n32	1n10
T 2	23 1	10 55	3 21	22 14	1 7	24 35	1 11	24 29	0 57	18 57	0 51	7 14	2 19	18 16	0 41	22 17	1 8	4 49	16 38	8 33	8 26	23 29	8 33	1 10
F 3	23 6	16 23	4 7	21 58	1 23	24 33	1 13	24 29	0 57	18 54	0 51	7 13	2 18	18 17	0 41	22 17	1 8	4 49	16 38	8 35	8 27	23 27	8 34	1 9
S 4	23 10	21 2	4 39	21 42	1 39	24 30	1 15	24 29	0 57	18 51	0 51	7 12	2 18	18 17	0 41	22 17	1 8	4 49	16 37	8 38	8 28	23 25	8 34	1 9
S 5	23 14	24 40	4 57	21 26	1 56	24 27	1 16	24 28	0 58	18 48	0 51	7 11	2 18	18 17	0 41	22 17	1 8	4 49	16 37	8 42	8 29	23 23	8 35	1 9
M 6	23 18	27 6	5 0	21 10	2 12	24 23	1 18	24 28	0 58	18 45	0 51	7 10	2 18	18 18	0 41	22 17	1 8	4 49	16 36	8 47	8 30	23 21	8 36	1 9
T 7	23 21	28 10	4 50	20 55	2 28	24 18	1 19	24 27	0 58	18 43	0 51	7 8	2 18	18 18	0 41	22 17	1 8	4 48	16 36	8 52	8 32	23 19	8 37	1 9
W 8	23 24	27 53	4 26	20 40	2 44	24 12	1 21	24 26	0 58	18 40	0 51	7 7	2 17	18 19	0 41	22 17	1 8	4 48	16 35	8 56	8 33	23 16	8 37	1 9
T 9	23 26	26 16	3 51	20 25	3 0	24 6	1 22	24 25	0 59	18 37	0 51	7 6	2 17	18 19	0 41	22 17	1 7	4 48	16 35	9 0	8 34	23 14	8 38	1 9
F 10	23 28	23 30	3 6	20 11	3 15	23 59	1 24	24 23	0 59	18 34	0 51	7 5	2 17	18 19	0 41	22 18	1 7	4 48	16 34	9 3	8 35	23 12	8 39	1 9
S 11	23 30	19 46	2 13	19 58	3 29	23 51	1 25	24 22	0 59	18 31	0 51	7 3	2 17	18 20	0 41	22 18	1 7	4 47	16 34	9 5	8 36	23 10	8 40	1 9
S 12	23 31	15 15	1 15	19 46	3 42	23 42	1 26	24 20	1 0	18 28	0 51	7 2	2 17	18 20	0 41	22 18	1 7	4 47	16 33	9 7	8 38	23 8	8 40	1 9
M13	23 32	10 9	0 12	19 34	3 55	23 33	1 27	24 18	1 0	18 24	0 51	7 1	2 16	18 21	0 41	22 18	1 7	4 47	16 33	9 7	8 39	23 6	8 41	1 9
T 14	23 32	4 38	0s51	19 24	4 6	23 23	1 28	24 16	1 0	18 21	0 51	6 59	2 16	18 21	0 41	22 18	1 7	4 47	16 32	9 7	8 40	23 3	8 42	1 9
W15	23 32	1s10	1 54	19 15	4 16	23 13	1 29	24 13	1 0	18 18	0 51	6 58	2 16	18 22	0 41	22 18	1 7	4 46	16 32	9 7	8 41	23 1	8 42	1 9
T 16	23 32	7 3	2 53	19 7	4 25	23 2	1 30	24 11	1 1	18 15	0 51	6 56	2 16	18 22	0 41	22 18	1 7	4 46	16 31	9 7	8 42	22 59	8 43	1 9
F 17	23 31	12 49	3 45	19 0	4 32	22 50	1 31	24 8	1 1	18 12	0 51	6 55	2 16	18 23	0 41	22 18	1 7	4 46	16 30	9 8	8 44	22 57	8 43	1 9
S 18	23 30	18 13	4 26	18 55	4 38	22 37	1 32	24 5	1 1	18 9	0 51	6 53	2 15	18 23	0 41	22 18	1 7	4 45	16 30	9 9	8 45	22 55	8 44	1 9
S 19	23 28	22 52	4 54	18 51	4 42	22 24	1 33	24 2	1 1	18 5	0 51	6 52	2 15	18 24	0 41	22 18	1 7	4 45	16 29	9 11	8 46	22 53	8 45	1 9
M20	23 26	26 19	5 4	18 48	4 44	22 10	1 34	23 58	1 2	18 2	0 51	6 50	2 15	18 24	0 41	22 19	1 7	4 44	16 29	9 14	8 47	22 50	8 45	1 9
T 21	23 23	28 5	4 55	18 47	4 45	21 56	1 34	23 55	1 2	17 59	0 51	6 48	2 15	18 25	0 41	22 19	1 7	4 44	16 28	9 18	8 48	22 48	8 46	1 9
W22	23 20	27 52	4 26	18 47	4 45	21 41	1 35	23 51	1 2	17 55	0 51	6 47	2 15	18 25	0 41	22 19	1 7	4 44	16 28	9 21	8 49	22 46	8 46	1 9
T 23	23 17	25 33	3 38	18 49	4 42	21 25	1 35	23 47	1 2	17 52	0 51	6 45	2 15	18 26	0 41	22 19	1 7	4 43	16 27	9 24	8 51	22 44	8 47	1 9
F 24	23 13	21 26	2 34	18 53	4 39	21 9	1 36	23 43	1 2	17 49	0 51	6 43	2 14	18 26	0 41	22 19	1 7	4 43	16 27	9 26	8 52	22 41	8 47	1 9
S 25	23 9	15 58	1 20	18 58	4 34	20 52	1 36	23 39	1 3	17 45	0 51	6 42	2 14	18 27	0 41	22 19	1 7	4 42	16 26	9 27	8 53	22 39	8 48	1 9
S 26	23 5	9 42	0 3	19 4	4 27	20 35	1 37	23 35	1 3	17 42	0 51	6 40	2 14	18 27	0 41	22 19	1 7	4 42	16 25	9 27	8 54	22 37	8 48	1 9
M27	23 0	3 5	1n13	19 11	4 20	20 17	1 37	23 30	1 3	17 38	0 51	6 38	2 14	18 28	0 41	22 19	1 7	4 41	16 25	9 27	8 55	22 35	8 48	1 9
T 28	22 54	3n30	2 23	19 20	4 11	19 58	1 37	23 25	1 3	17 35	0 51	6 36	2 14	18 29	0 41	22 19	1 7	4 41	16 24	9 26	8 57	22 32	8 49	1 9
W29	22 48	9 44	3 22	19 30	4 1	19 39	1 37	23 20	1 3	17 31	0 51	6 34	2 14	18 29	0 41	22 19	1 7	4 40	16 24	9 26	8 58	22 30	8 49	1 9
T 30	22n42	15n23	4n10	19n41	3s50	19n20	1n37	23n15	1n 4	17n28	0n51	6n32	2n13	18s30	0s41	22n19	1s 7	4n40	16n23	9s27	8s59	22n28	8n50	1n 9

Julian Day Number = 2175580.5, Delta T = 11m56s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'13, Lahiri = 13°19'14 Julian Calendar 1 June 1244 == Greg. Calendar 8 June 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

JULY 1244 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 5 30	15♋49'56	12♉46	28♊ 7	11♌23	19♋32	14♌20	18♍46	9°R54	25♊ 5	27°D34	5°R41	6♓56	2♌48	19♈46	F 1
S 2	19 9 27	16°47'12	25°21	28°30	12°36	20°11	14°32	18°50	9♒52	25° 7	27♎34	5♓36	6°53	2°55	19°47	S 2
S 3	19 13 24	17°44'28	7♊44	28°59	13°49	20°49	14°44	18°55	9°50	25° 9	27°34	5°29	6°50	3° 2	19°48	S 3
M 4	19 17 20	18°41'45	19°56	29°33	15° 2	21°28	14°57	19° 0	9°48	25°11	27°34	5°21	6°47	3° 8	19°49	M 4
T 5	19 21 17	19°39'03	1♋59	0♋13	16°14	22° 6	15° 9	19° 4	9°46	25°14	27°35	5°12	6°43	3°15	19°49	T 5
W 6	19 25 13	20°36'22	13°56	0°58	17°27	22°45	15°22	19° 9	9°44	25°16	27°35	5° 4	6°40	3°22	19°50	W 6
T 7	19 29 10	21°33'42	25°48	1°50	18°40	23°23	15°34	19°14	9°41	25°18	27°35	4°57	6°37	3°28	19°51	T 7
F 8	19 33 6	22°31'02	7♌37	2°46	19°52	24° 2	15°47	19°19	9°39	25°20	27°35	4°52	6°34	3°35	19°51	F 8
S 9	19 37 3	23°28'23	19°25	3°48	21° 5	24°40	15°59	19°24	9°37	25°22	27°35	4°49	6°31	3°42	19°51	S 9
S 10	19 40 59	24°25'44	1♍13	4°56	22°18	25°19	16°12	19°30	9°35	25°24	27°36	4°D47	6°27	3°48	19°52	S 10
M11	19 44 56	25°23'07	13° 7	6° 8	23°30	25°57	16°24	19°35	9°32	25°26	27°36	4°48	6°24	3°55	19°52	M11
T 12	19 48 53	26°20'29	25° 9	7°26	24°43	26°36	16°37	19°40	9°30	25°28	27°36	4°49	6°21	4° 2	19°52	T 12
W13	19 52 49	27°17'53	7♎23	8°49	25°55	27°14	16°49	19°46	9°28	25°30	27°37	4°50	6°18	4° 8	19°53	W13
T 14	19 56 46	28°15'17	19°54	10°16	27° 8	27°53	17° 2	19°51	9°25	25°32	27°37	4°52	6°15	4°15	19°53	T 14
F 15	20 0 42	29°12'42	2♏46	11°48	28°20	28°31	17°15	19°57	9°23	25°34	27°38	4°R52	6°12	4°22	19°53	F 15
S 16	20 4 39	0♌10'07	16° 3	13°24	29°33	29° 9	17°28	20° 2	9°21	25°36	27°38	4°51	6° 8	4°28	19°53	S 16
S 17	20 8 35	1° 7'34	29°49	15° 5	0♍45	29°48	17°40	20° 8	9°18	25°37	27°39	4°48	6° 5	4°35	19°R53	S 17
M18	20 12 32	2° 5'01	14♐ 2	16°49	1°58	0♌26	17°53	20°13	9°16	25°39	27°39	4°44	6° 2	4°42	19°53	M18
T 19	20 16 28	3° 2'29	28°41	18°36	3°10	1° 4	18° 6	20°19	9°13	25°41	27°40	4°40	5°59	4°48	19°53	T 19
W20	20 20 25	3°59'58	13♑41	20°27	4°22	1°43	18°19	20°25	9°11	25°43	27°41	4°36	5°56	4°55	19°53	W20
T 21	20 24 22	4°57'28	28°53	22°20	5°35	2°21	18°32	20°31	9° 9	25°45	27°41	4°32	5°53	5° 2	19°52	T 21
F 22	20 28 18	5°54'58	14♒ 8	24°16	6°47	2°59	18°45	20°37	9° 6	25°47	27°42	4°30	5°49	5° 8	19°52	F 22
S 23	20 32 15	6°52'31	29°15	26°13	7°59	3°38	18°57	20°43	9° 4	25°48	27°43	4°D29	5°46	5°15	19°52	S 23
S 24	20 36 11	7°50'04	14♓ 5	28°13	9°11	4°16	19°10	20°49	9° 2	25°50	27°44	4°29	5°43	5°22	19°52	S 24
M25	20 40 8	8°47'39	28°34	0♌13	10°24	4°54	19°23	20°55	8°59	25°52	27°44	4°30	5°40	5°28	19°51	M25
T 26	20 44 4	9°45'15	12♈36	2°14	11°36	5°33	19°36	21° 1	8°57	25°54	27°45	4°31	5°37	5°35	19°51	T 26
W27	20 48 1	10°42'53	26°13	4°16	12°48	6°11	19°49	21° 7	8°54	25°55	27°46	4°32	5°33	5°42	19°50	W27
T 28	20 51 57	11°40'32	9♉24	6°19	14° 0	6°49	20° 2	21°13	8°52	25°57	27°47	4°R33	5°30	5°48	19°49	T 28
F 29	20 55 54	12°38'13	22°14	8°21	15°12	7°27	20°15	21°19	8°50	25°59	27°48	4°33	5°27	5°55	19°49	F 29
S 30	20 59 51	13°35'56	4♊44	10°23	16°24	8° 6	20°28	21°26	8°47	26° 0	27°49	4°32	5°24	6° 2	19°48	S 30
S 31	21 3 47	14♌33'41	17♊ 0	12♌24	17♍36	8♌44	20♌41	21♍32	8♒45	26♊ 2	27♎50	4♓29	5♓21	6♌ 8	19♈47	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n36	20n14	4n43	19n53	3s39	18n59	1n37	23n10	1n 4	17n24	0n51	6n30	2n13	18s30	0s41	22n19	1s 7	4n39	16n22	9s28	9s 0	22n26	8n50	1n 9
S 2	22 29	24 4	5 3	20 5	3 27	18 39	1 37	23 4	1 4	17 21	0 51	6 28	2 13	18 31	0 41	22 20	1 7	4 39	16 22	9 30	9 1	22 23	8 50	1 9
S 3	22 21	26 44	5 7	20 18	3 14	18 18	1 37	22 59	1 4	17 17	0 51	6 26	2 13	18 31	0 41	22 20	1 7	4 38	16 21	9 32	9 2	22 21	8 50	1 9
M 4	22 14	28 6	4 58	20 32	3 0	17 56	1 37	22 53	1 4	17 14	0 51	6 24	2 13	18 32	0 41	22 20	1 7	4 37	16 21	9 35	9 4	22 19	8 51	1 9
T 5	22 6	28 6	4 35	20 46	2 47	17 34	1 36	22 47	1 5	17 10	0 51	6 22	2 13	18 33	0 41	22 20	1 7	4 37	16 20	9 39	9 5	22 17	8 51	1 9
W 6	21 57	26 47	4 0	21 0	2 32	17 11	1 36	22 41	1 5	17 6	0 51	6 20	2 12	18 33	0 41	22 20	1 7	4 36	16 20	9 42	9 6	22 14	8 51	1 9
T 7	21 48	24 16	3 15	21 14	2 18	16 48	1 35	22 34	1 5	17 3	0 51	6 18	2 12	18 34	0 41	22 20	1 7	4 36	16 19	9 44	9 7	22 12	8 51	1 9
F 8	21 39	20 44	2 22	21 27	2 3	16 25	1 35	22 28	1 5	16 59	0 51	6 16	2 12	18 34	0 41	22 20	1 7	4 35	16 18	9 46	9 8	22 10	8 52	1 9
S 9	21 29	16 22	1 23	21 41	1 48	16 1	1 34	22 21	1 5	16 55	0 51	6 14	2 12	18 35	0 42	22 20	1 7	4 34	16 18	9 47	9 10	22 7	8 52	1 9
S 10	21 19	11 23	0 19	21 53	1 34	15 36	1 33	22 14	1 6	16 51	0 51	6 12	2 12	18 36	0 42	22 20	1 8	4 34	16 17	9 48	9 11	22 5	8 52	1 9
M11	21 9	5 58	0s45	22 5	1 19	15 12	1 32	22 7	1 6	16 48	0 51	6 10	2 12	18 36	0 42	22 20	1 8	4 33	16 17	9 48	9 12	22 3	8 52	1 9
T 12	20 58	0 17	1 49	22 15	1 4	14 46	1 32	22 0	1 6	16 44	0 51	6 7	2 12	18 37	0 42	22 20	1 8	4 32	16 16	9 47	9 13	22 0	8 52	1 9
W13	20 47	5s31	2 48	22 25	0 50	14 21	1 31	21 53	1 6	16 40	0 51	6 5	2 11	18 38	0 42	22 20	1 8	4 32	16 15	9 47	9 14	21 58	8 52	1 9
T 14	20 36	11 13	3 41	22 33	0 36	13 55	1 29	21 45	1 6	16 36	0 51	6 3	2 11	18 38	0 42	22 20	1 8	4 31	16 15	9 46	9 15	21 56	8 52	1 9
F 15	20 24	16 37	4 25	22 39	0 22	13 29	1 28	21 38	1 6	16 32	0 51	6 0	2 11	18 39	0 42	22 20	1 8	4 30	16 14	9 46	9 17	21 53	8 52	1 9
S 16	20 12	21 26	4 56	22 43	0 9	13 2	1 27	21 30	1 7	16 28	0 51	5 58	2 11	18 40	0 42	22 20	1 8	4 30	16 14	9 46	9 18	21 51	8 52	1 9
S 17	19 59	25 15	5 11	22 45	0n 4	12 35	1 26	21 22	1 7	16 24	0 51	5 56	2 11	18 40	0 42	22 20	1 8	4 29	16 13	9 47	9 19	21 49	8 52	1 9
M18	19 47	27 41	5 8	22 44	0 16	12 8	1 25	21 14	1 7	16 21	0 51	5 53	2 11	18 41	0 42	22 21	1 8	4 28	16 13	9 49	9 20	21 46	8 52	1 9
T 19	19 34	28 18	4 46	22 42	0 27	11 41	1 23	21 6	1 7	16 17	0 51	5 51	2 11	18 41	0 42	22 21	1 8	4 27	16 12	9 50	9 21	21 44	8 52	1 9
W20	19 20	26 52	4 3	22 37	0 38	11 13	1 22	20 57	1 7	16 13	0 51	5 49	2 11	18 42	0 42	22 21	1 8	4 27	16 11	9 52	9 23	21 42	8 52	1 9
T 21	19 6	23 27	3 3	22 29	0 48	10 45	1 20	20 49	1 7	16 9	0 51	5 46	2 10	18 43	0 42	22 21	1 8	4 26	16 11	9 53	9 24	21 39	8 52	1 9
F 22	18 52	18 24	1 49	22 18	0 58	10 16	1 18	20 40	1 7	16 5	0 51	5 44	2 10	18 43	0 42	22 21	1 8	4 25	16 10	9 54	9 25	21 37	8 52	1 9
S 23	18 38	12 14	0 29	22 5	1 6	9 48	1 17	20 31	1 8	16 1	0 51	5 41	2 10	18 44	0 42	22 21	1 8	4 24	16 10	9 55	9 26	21 34	8 52	1 9
S 24	18 23	5 29	0n53	21 49	1 14	9 19	1 15	20 22	1 8	15 57	0 51	5 39	2 10	18 45	0 42	22 21	1 8	4 23	16 9	9 54	9 27	21 32	8 52	1 9
M25	18 8	1n23	2 9	21 30	1 21	8 50	1 13	20 13	1 8	15 53	0 51	5 36	2 10	18 45	0 42	22 21	1 8	4 23	16 9	9 54	9 28	21 30	8 51	1 9
T 26	17 53	7 59	3 15	21 9	1 27	8 20	1 11	20 4	1 8	15 49	0 51	5 34	2 10	18 46	0 42	22 21	1 8	4 22	16 8	9 54	9 30	21 27	8 51	1 9
W27	17 37	14 0	4 7	20 46	1 32	7 51	1 9	19 54	1 8	15 45	0 51	5 31	2 10	18 47	0 42	22 21	1 8	4 21	16 7	9 53	9 31	21 25	8 51	1 9
T 28	17 21	19 11	4 45	20 20	1 36	7 21	1 7	19 45	1 8	15 40	0 51	5 29	2 10	18 47	0 42	22 21	1 8	4 20	16 7	9 53	9 32	21 22	8 51	1 9
F 29	17 5	23 21	5 8	19 52	1 40	6 51	1 5	19 35	1 8	15 36	0 51	5 26	2 10	18 48	0 42	22 21	1 8	4 19	16 6	9 53	9 33	21 20	8 51	1 9
S 30	16 49	26 20	5 15	19 21	1 43	6 21	1 3	19 25	1 8	15 32	0 51	5 24	2 9	18 49	0 42	22 21	1 8	4 18	16 6	9 53	9 34	21 18	8 50	1 9
S 31	16n32	28n 0	5n 8	18n49	1n45	5n51	1n 0	19n15	1n 9	15n28	0n51	5n21	2n 9	18s49	0s42	22n21	1s 8	4n18	16n 5	9s54	9s35	21n15	8n50	1n 9

Julian Day Number = 2175610.5, Delta T = 11m56s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'17, Lahiri = 13°19'18 Julian Calendar 1 July 1244 == Greg. Calendar 8 July 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

AUGUST 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 7 44	15♌31'27	29♊ 4	14♌25	18♍48	9♌22	20♌54	21♍38	8°R42	26♊ 4	27♎51	4°R27	5♓18	6♌15	19°R47	M 1
T 2	21 11 40	16°29'14	11♋ 1	16°25	20° 0	10° 0	21° 7	21°45	8♒40	26° 5	27°52	4♓24	5°14	6°22	19♈46	T 2
W 3	21 15 37	17°27'04	22°52	18°24	21°12	10°39	21°20	21°51	8°38	26° 7	27°53	4°21	5°11	6°28	19°45	W 3
T 4	21 19 33	18°24'55	4♌40	20°22	22°24	11°17	21°34	21°58	8°35	26° 8	27°54	4°19	5° 8	6°35	19°44	T 4
F 5	21 23 30	19°22'47	16°29	22°19	23°35	11°55	21°47	22° 5	8°33	26°10	27°56	4°17	5° 5	6°42	19°43	F 5
S 6	21 27 26	20°20'41	28°19	24°15	24°47	12°33	22° 0	22°11	8°31	26°11	27°57	4°17	5° 2	6°48	19°42	S 6
S 7	21 31 23	21°18'36	10♍13	26°10	25°59	13°12	22°13	22°18	8°28	26°13	27°58	4°D17	4°59	6°55	19°41	S 7
M 8	21 35 20	22°16'33	22°14	28° 3	27°11	13°50	22°26	22°24	8°26	26°14	27°59	4°17	4°55	7° 2	19°39	M 8
T 9	21 39 16	23°14'31	4♎24	29°56	28°22	14°28	22°39	22°31	8°24	26°16	28° 1	4°18	4°52	7° 8	19°38	T 9
W10	21 43 13	24°12'31	16°46	1♍46	29°34	15° 6	22°52	22°38	8°21	26°17	28° 2	4°19	4°49	7°15	19°37	W10
T 11	21 47 9	25°10'32	29°22	3°36	0♎45	15°44	23° 5	22°45	8°19	26°18	28° 3	4°20	4°46	7°22	19°35	T 11
F 12	21 51 6	26° 8'35	12♏16	5°24	1°57	16°22	23°18	22°52	8°17	26°20	28° 5	4°21	4°43	7°28	19°34	F 12
S 13	21 55 2	27° 6'39	25°31	7°11	3° 8	17° 1	23°31	22°58	8°15	26°21	28° 6	4°R21	4°39	7°35	19°33	S 13
S 14	21 58 59	28° 4'45	9♐ 9	8°57	4°20	17°39	23°44	23° 5	8°12	26°22	28° 7	4°21	4°36	7°42	19°31	S 14
M15	22 2 55	29° 2'52	23°10	10°42	5°31	18°17	23°57	23°12	8°10	26°23	28° 9	4°20	4°33	7°48	19°30	M15
T 16	22 6 52	0♑ 1'00	7♑35	12°25	6°42	18°55	24°10	23°19	8° 8	26°25	28°10	4°20	4°30	7°55	19°28	T 16
W17	22 10 49	0°59'10	22°19	14° 7	7°54	19°33	24°23	23°26	8° 6	26°26	28°12	4°19	4°27	8° 2	19°26	W17
T 18	22 14 45	1°57'22	7♒18	15°48	9° 5	20°11	24°36	23°33	8° 4	26°27	28°13	4°19	4°24	8° 8	19°25	T 18
F 19	22 18 42	2°55'35	22°24	17°28	10°16	20°50	24°49	23°40	8° 2	26°28	28°15	4°19	4°20	8°15	19°23	F 19
S 20	22 22 38	3°53'50	7♓27	19° 6	11°27	21°28	25° 2	23°47	8° 0	26°29	28°17	4°19	4°17	8°22	19°21	S 20
S 21	22 26 35	4°52'06	22°20	20°44	12°38	22° 6	25°15	23°54	7°58	26°30	28°18	4°19	4°14	8°28	19°19	S 21
M22	22 30 31	5°50'25	6♈54	22°20	13°49	22°44	25°28	24° 2	7°56	26°31	28°20	4°19	4°11	8°35	19°18	M22
T 23	22 34 28	6°48'45	21° 5	23°55	15° 0	23°22	25°41	24° 9	7°54	26°32	28°22	4°19	4° 8	8°42	19°16	T 23
W24	22 38 24	7°47'08	4♉50	25°29	16°11	24° 0	25°54	24°16	7°52	26°33	28°23	4°18	4° 5	8°48	19°14	W24
T 25	22 42 21	8°45'33	18° 8	27° 2	17°22	24°38	26° 7	24°23	7°50	26°34	28°25	4°18	4° 1	8°55	19°12	T 25
F 26	22 46 18	9°44'00	1♊ 2	28°33	18°33	25°16	26°20	24°30	7°48	26°35	28°27	4°18	3°58	9° 2	19°10	F 26
S 27	22 50 14	10°42'29	13°34	0♎ 4	19°43	25°55	26°33	24°37	7°46	26°36	28°29	4°D18	3°55	9° 8	19° 8	S 27
S 28	22 54 11	11°41'01	25°49	1°34	20°54	26°33	26°46	24°45	7°44	26°37	28°30	4°18	3°52	9°15	19° 6	S 28
M29	22 58 7	12°39'34	7♋50	3° 2	22° 5	27°11	26°59	24°52	7°42	26°38	28°32	4°19	3°49	9°22	19° 4	M29
T 30	23 2 4	13°38'10	19°43	4°29	23°15	27°49	27°11	24°59	7°40	26°39	28°34	4°19	3°45	9°28	19° 1	T 30
W31	23 6 0	14♍36'48	1♌32	5♎55	24♎26	28♌27	27♌24	25♍ 6	7♒38	26♊39	28♎36	4♓20	3♓42	9♌35	18♈59	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n15	28n19	4n47	18n16	1n46	5n20	0n58	19n 5	1n 9	15n24	0n51	5n18	2n 9	18s50	0s42	22n21	1s 8	4n17	16n 5	9s55	9s37	21n13	8n50	1n 9
T 2	15 58	27 17	4 13	17 40	1 46	4 50	0 55	18 55	1 9	15 20	0 52	5 16	2 9	18 50	0 42	22 21	1 8	4 16	16 4	9 56	9 38	21 10	8 49	1 9
W 3	15 40	25 2	3 29	17 3	1 46	4 19	0 53	18 45	1 9	15 16	0 52	5 13	2 9	18 51	0 42	22 21	1 8	4 15	16 3	9 57	9 39	21 8	8 49	1 9
T 4	15 22	21 42	2 37	16 25	1 45	3 48	0 50	18 34	1 9	15 11	0 52	5 10	2 9	18 52	0 42	22 21	1 8	4 14	16 3	9 58	9 40	21 5	8 49	1 9
F 5	15 4	17 30	1 37	15 46	1 44	3 17	0 48	18 24	1 9	15 7	0 52	5 8	2 9	18 52	0 42	22 21	1 8	4 13	16 2	9 59	9 41	21 3	8 48	1 9
S 6	14 46	12 37	0 33	15 6	1 42	2 46	0 45	18 13	1 9	15 3	0 52	5 5	2 9	18 53	0 42	22 21	1 8	4 12	16 2	9 59	9 42	21 0	8 48	1 9
S 7	14 27	7 16	0s33	14 24	1 39	2 15	0 42	18 2	1 9	14 59	0 52	5 2	2 9	18 53	0 42	22 21	1 8	4 11	16 1	9 59	9 44	20 58	8 47	1 9
M 8	14 9	1 36	1 38	13 42	1 36	1 44	0 40	17 51	1 9	14 55	0 52	5 0	2 9	18 54	0 42	22 21	1 8	4 10	16 1	9 59	9 45	20 56	8 47	1 9
T 9	13 50	4s12	2 39	13 0	1 33	1 13	0 37	17 40	1 9	14 50	0 52	4 57	2 9	18 55	0 42	22 21	1 8	4 9	16 0	9 58	9 46	20 53	8 46	1 9
W10	13 30	9 55	3 35	12 16	1 29	0 41	0 34	17 29	1 10	14 46	0 52	4 54	2 9	18 55	0 42	22 21	1 8	4 8	16 0	9 58	9 47	20 51	8 46	1 9
T 11	13 11	15 21	4 20	11 33	1 25	0 10	0 31	17 18	1 10	14 42	0 52	4 51	2 9	18 56	0 42	22 21	1 8	4 8	15 59	9 58	9 48	20 48	8 45	1 9
F 12	12 51	20 15	4 54	10 49	1 20	0s21	0 28	17 6	1 10	14 38	0 52	4 49	2 8	18 56	0 42	22 21	1 8	4 7	15 59	9 57	9 49	20 46	8 45	1 9
S 13	12 32	24 18	5 14	10 4	1 15	0 53	0 25	16 55	1 10	14 33	0 52	4 46	2 8	18 57	0 42	22 21	1 8	4 6	15 58	9 57	9 51	20 43	8 44	1 9
S 14	12 11	27 7	5 16	9 19	1 10	1 24	0 21	16 43	1 10	14 29	0 52	4 43	2 8	18 58	0 42	22 21	1 8	4 5	15 58	9 57	9 52	20 41	8 44	1 9
M15	11 51	28 22	5 1	8 35	1 4	1 55	0 18	16 31	1 10	14 25	0 52	4 40	2 8	18 58	0 42	22 21	1 8	4 4	15 57	9 58	9 53	20 38	8 43	1 9
T 16	11 31	27 45	4 26	7 50	0 58	2 27	0 15	16 19	1 10	14 21	0 52	4 37	2 8	18 59	0 42	22 21	1 8	4 3	15 57	9 58	9 54	20 36	8 42	1 9
W17	11 10	25 11	3 33	7 5	0 52	2 58	0 12	16 7	1 10	14 16	0 52	4 35	2 8	18 59	0 42	22 21	1 8	4 2	15 56	9 58	9 55	20 33	8 42	1 9
T 18	10 49	20 51	2 25	6 20	0 46	3 29	0 8	15 55	1 10	14 12	0 53	4 32	2 8	19 0	0 42	22 21	1 8	4 1	15 56	9 58	9 56	20 31	8 41	1 9
F 19	10 28	15 9	1 6	5 35	0 39	4 0	0 5	15 43	1 10	14 8	0 53	4 29	2 8	19 0	0 42	22 21	1 8	4 0	15 55	9 58	9 58	20 28	8 40	1 9
S 20	10 7	8 32	0n17	4 50	0 32	4 31	0 2	15 31	1 10	14 3	0 53	4 26	2 8	19 1	0 42	22 21	1 8	3 59	15 55	9 58	9 59	20 26	8 40	1 8
S 21	9 46	1 33	1 38	4 5	0 25	5 2	0s 2	15 19	1 10	13 59	0 53	4 23	2 8	19 1	0 42	22 21	1 8	3 58	15 54	9 58	10 0	20 23	8 39	1 8
M22	9 24	5n22	2 51	3 20	0 18	5 33	0 5	15 6	1 10	13 55	0 53	4 20	2 8	19 2	0 42	22 21	1 8	3 57	15 54	9 58	10 1	20 20	8 38	1 8
T 23	9 3	11 50	3 52	2 36	0 11	6 4	0 9	14 54	1 10	13 50	0 53	4 18	2 8	19 2	0 42	22 21	1 8	3 56	15 53	9 58	10 2	20 18	8 37	1 8
W24	8 41	17 31	4 37	1 52	0 4	6 35	0 12	14 41	1 11	13 46	0 53	4 15	2 8	19 3	0 42	22 21	1 8	3 55	15 53	9 58	10 3	20 15	8 37	1 8
T 25	8 19	22 11	5 5	1 8	0s 4	7 5	0 16	14 28	1 11	13 42	0 53	4 12	2 8	19 3	0 41	22 21	1 8	3 54	15 53	9 58	10 5	20 13	8 36	1 8
F 26	7 57	25 37	5 17	0 24	0 11	7 36	0 20	14 16	1 11	13 38	0 53	4 9	2 8	19 4	0 41	22 21	1 8	3 53	15 52	9 59	10 6	20 10	8 35	1 8
S 27	7 35	27 42	5 13	0s19	0 19	8 6	0 23	14 3	1 11	13 33	0 53	4 6	2 8	19 4	0 41	22 21	1 8	3 52	15 52	9 59	10 7	20 8	8 34	1 8
S 28	7 13	28 24	4 56	1 2	0 27	8 36	0 27	13 50	1 11	13 29	0 53	4 3	2 8	19 5	0 41	22 21	1 8	3 51	15 51	9 58	10 8	20 5	8 33	1 8
M29	6 50	27 43	4 25	1 44	0 34	9 6	0 31	13 37	1 11	13 25	0 53	4 0	2 8	19 5	0 41	22 21	1 9	3 50	15 51	9 58	10 9	20 3	8 33	1 8
T 30	6 28	25 46	3 43	2 26	0 42	9 36	0 34	13 23	1 11	13 20	0 54	3 57	2 8	19 6	0 41	22 21	1 9	3 49	15 50	9 58	10 10	20 0	8 32	1 8
W31	6n 5	22n42	2n52	3s 8	0s50	10s 6	0s38	13n10	1n11	13n16	0n54	3n54	2n 8	19s 6	0s41	22n21	1s 9	3n48	15n50	9s58	10s11	19n57	8n31	1n 8

Julian Day Number = 2175641.5, Delta T = 11m56s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'21, Lahiri = 13°19'22 Julian Calendar 1 Aug. 1244 == Greg. Calendar 8 Aug. 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

SEPTEMBER 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 9 57	15♍35'28	13♌20	7♎20	25♎36	29♌ 5	27♌37	25♍14	7°R37	26♊40	28♎38	4♓21	3♓39	9♌41	18°R57	T 1
F 2	23 13 53	16°34'11	25°11	8°44	26°46	29°43	27°50	25°21	7♒35	26°41	28°40	4°22	3°36	9°48	18♈55	F 2
S 3	23 17 50	17°32'55	7♍ 7	10° 7	27°57	0♍21	28° 2	25°28	7°33	26°41	28°42	4°R22	3°33	9°55	18°52	S 3
S 4	23 21 47	18°31'41	19°11	11°28	29° 7	1° 0	28°15	25°36	7°32	26°42	28°44	4°22	3°30	10° 1	18°50	S 4
M 5	23 25 43	19°30'30	1♎25	12°49	0♏17	1°38	28°28	25°43	7°30	26°43	28°46	4°20	3°26	10° 8	18°48	M 5
T 6	23 29 40	20°29'20	13°50	14° 7	1°27	2°16	28°40	25°50	7°29	26°43	28°48	4°18	3°23	10°15	18°45	T 6
W 7	23 33 36	21°28'12	26°27	15°25	2°37	2°54	28°53	25°58	7°27	26°44	28°50	4°16	3°20	10°21	18°43	W 7
T 8	23 37 33	22°27'06	9♏17	16°41	3°47	3°32	29° 5	26° 5	7°26	26°44	28°52	4°13	3°17	10°28	18°40	T 8
F 9	23 41 29	23°26'02	22°22	17°55	4°57	4°10	29°18	26°12	7°24	26°45	28°54	4°11	3°14	10°35	18°38	F 9
S 10	23 45 26	24°25'00	5♐42	19° 8	6° 7	4°48	29°30	26°20	7°23	26°45	28°56	4° 9	3°10	10°41	18°35	S 10
S 11	23 49 22	25°24'00	19°19	20°20	7°17	5°26	29°43	26°27	7°21	26°46	28°58	4°D 8	3° 7	10°48	18°33	S 11
M12	23 53 19	26°23'02	3♑12	21°29	8°26	6° 4	29°55	26°35	7°20	26°46	29° 0	4° 8	3° 4	10°55	18°30	M12
T 13	23 57 16	27°22'05	17°21	22°37	9°36	6°43	0♍ 7	26°42	7°19	26°46	29° 2	4° 9	3° 1	11° 1	18°27	T 13
W14	0 1 12	28°21'10	1♒45	23°42	10°45	7°21	0°20	26°49	7°18	26°47	29° 4	4°10	2°58	11° 8	18°25	W14
T 15	0 5 9	29°20'17	16°21	24°45	11°55	7°59	0°32	26°57	7°16	26°47	29° 7	4°12	2°55	11°15	18°22	T 15
F 16	0 9 5	0♎19'25	1♓ 4	25°46	13° 4	8°37	0°44	27° 4	7°15	26°47	29° 9	4°R12	2°51	11°21	18°19	F 16
S 17	0 13 2	1°18'36	15°49	26°44	14°13	9°15	0°56	27°11	7°14	26°47	29°11	4°12	2°48	11°28	18°17	S 17
S 18	0 16 58	2°17'48	0♈29	27°40	15°22	9°53	1° 8	27°19	7°13	26°47	29°13	4°10	2°45	11°35	18°14	S 18
M19	0 20 55	3°17'02	14°57	28°32	16°31	10°31	1°20	27°26	7°12	26°48	29°15	4° 7	2°42	11°41	18°11	M19
T 20	0 24 51	4°16'19	29° 6	29°21	17°40	11° 9	1°32	27°33	7°11	26°48	29°18	4° 3	2°39	11°48	18° 8	T 20
W21	0 28 48	5°15'38	12♉53	0♏ 6	18°49	11°47	1°44	27°41	7°10	26°48	29°20	3°58	2°36	11°55	18° 6	W21
T 22	0 32 44	6°14'59	26°15	0°48	19°58	12°26	1°56	27°48	7° 9	26°R48	29°22	3°53	2°32	12° 1	18° 3	T 22
F 23	0 36 41	7°14'23	9♊12	1°25	21° 6	13° 4	2° 8	27°55	7° 8	26°48	29°24	3°49	2°29	12° 8	18° 0	F 23
S 24	0 40 38	8°13'48	21°48	1°57	22°15	13°42	2°19	28° 3	7° 8	26°48	29°27	3°46	2°26	12°15	17°57	S 24
S 25	0 44 34	9°13'17	4♋ 4	2°23	23°23	14°20	2°31	28°10	7° 7	26°48	29°29	3°D45	2°23	12°21	17°54	S 25
M26	0 48 31	10°12'47	16° 6	2°44	24°31	14°58	2°43	28°17	7° 6	26°48	29°31	3°45	2°20	12°28	17°52	M26
T 27	0 52 27	11°12'20	27°58	2°59	25°39	15°36	2°54	28°24	7° 6	26°47	29°34	3°46	2°16	12°35	17°49	T 27
W28	0 56 24	12°11'55	9♌47	3° 7	26°47	16°14	3° 6	28°32	7° 5	26°47	29°36	3°48	2°13	12°41	17°46	W28
T 29	1 0 20	13°11'33	21°35	3°R 7	27°55	16°52	3°17	28°39	7° 4	26°47	29°38	3°49	2°10	12°48	17°43	T 29
F 30	1 4 17	14♎11'12	3♍30	3♏ 0	29♏ 3	17♍31	3♍29	28♍46	7♒ 4	26♊47	29♎41	3°R50	2♓ 7	12♌54	17♈40	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n42	18n43	1n54	3s49	0s58	10s35	0s42	12n57	1n11	13n12	0n54	3n51	2n 8	19s 7	0s41	22n21	1s 9	3n47	15n50	9s57	10s13	19n55	8n30	1n 8
F 2	5 19	13 59	0 51	4 29	1 6	11 4	0 46	12 43	1 11	13 7	0 54	3 49	2 8	19 7	0 41	22 21	1 9	3 46	15 49	9 57	10 14	19 52	8 29	1 8
S 3	4 56	8 42	0s15	5 9	1 14	11 33	0 50	12 30	1 11	13 3	0 54	3 46	2 8	19 7	0 41	22 21	1 9	3 45	15 49	9 57	10 15	19 50	8 28	1 8
S 4	4 33	3 3	1 21	5 48	1 21	12 2	0 53	12 16	1 11	12 59	0 54	3 43	2 8	19 8	0 41	22 21	1 9	3 44	15 49	9 57	10 16	19 47	8 27	1 8
M 5	4 10	2s46	2 24	6 27	1 29	12 31	0 57	12 3	1 11	12 54	0 54	3 40	2 8	19 8	0 41	22 21	1 9	3 43	15 48	9 58	10 17	19 45	8 26	1 8
T 6	3 47	8 34	3 21	7 5	1 37	12 59	1 1	11 49	1 11	12 50	0 54	3 37	2 8	19 9	0 41	22 21	1 9	3 42	15 48	9 58	10 18	19 42	8 25	1 8
W 7	3 24	14 7	4 9	7 42	1 44	13 27	1 5	11 35	1 11	12 46	0 54	3 34	2 8	19 9	0 41	22 21	1 9	3 41	15 47	9 59	10 20	19 39	8 24	1 8
T 8	3 0	19 10	4 46	8 18	1 52	13 54	1 9	11 21	1 11	12 41	0 55	3 31	2 8	19 9	0 41	22 21	1 9	3 40	15 47	10 0	10 21	19 37	8 23	1 8
F 9	2 37	23 24	5 9	8 54	1 59	14 22	1 12	11 7	1 11	12 37	0 55	3 28	2 8	19 10	0 41	22 21	1 9	3 39	15 47	10 1	10 22	19 34	8 22	1 8
S 10	2 14	26 31	5 15	9 28	2 7	14 49	1 16	10 53	1 11	12 33	0 55	3 25	2 8	19 10	0 41	22 21	1 9	3 38	15 46	10 2	10 23	19 31	8 21	1 8
S 11	1 50	28 10	5 4	10 2	2 14	15 16	1 20	10 39	1 11	12 29	0 55	3 22	2 8	19 10	0 41	22 21	1 9	3 37	15 46	10 2	10 24	19 29	8 20	1 8
M12	1 27	28 6	4 36	10 35	2 21	15 42	1 24	10 25	1 11	12 24	0 55	3 19	2 8	19 11	0 41	22 21	1 9	3 36	15 46	10 2	10 25	19 26	8 19	1 8
T 13	1 3	26 13	3 50	11 7	2 27	16 8	1 28	10 11	1 11	12 20	0 55	3 16	2 8	19 11	0 41	22 21	1 9	3 35	15 45	10 2	10 26	19 24	8 18	1 8
W14	0 39	22 36	2 49	11 37	2 34	16 34	1 32	9 57	1 11	12 16	0 55	3 14	2 8	19 11	0 41	22 21	1 9	3 34	15 45	10 1	10 28	19 21	8 17	1 7
T 15	0 16	17 32	1 37	12 6	2 40	16 59	1 35	9 43	1 11	12 12	0 55	3 11	2 8	19 12	0 41	22 21	1 9	3 33	15 45	10 1	10 29	19 18	8 16	1 7
F 16	0s 8	11 24	0 17	12 34	2 46	17 24	1 39	9 28	1 11	12 7	0 56	3 8	2 8	19 12	0 41	22 21	1 9	3 32	15 45	10 0	10 30	19 16	8 15	1 7
S 17	0 31	4 38	1n 3	13 1	2 52	17 49	1 43	9 14	1 11	12 3	0 56	3 5	2 8	19 12	0 41	22 21	1 9	3 31	15 44	10 1	10 31	19 13	8 14	1 7
S 18	0 55	2n19	2 19	13 26	2 57	18 13	1 47	8 59	1 11	11 59	0 56	3 2	2 8	19 12	0 41	22 21	1 9	3 30	15 44	10 1	10 32	19 10	8 13	1 7
M19	1 19	9 4	3 25	13 50	3 2	18 36	1 50	8 45	1 11	11 55	0 56	2 59	2 8	19 13	0 41	22 21	1 9	3 29	15 44	10 2	10 33	19 8	8 12	1 7
T 20	1 42	15 11	4 17	14 11	3 6	19 0	1 54	8 30	1 11	11 51	0 56	2 56	2 8	19 13	0 41	22 21	1 9	3 28	15 43	10 4	10 34	19 5	8 11	1 7
W21	2 6	20 24	4 52	14 31	3 10	19 23	1 58	8 16	1 11	11 47	0 56	2 53	2 8	19 13	0 41	22 21	1 9	3 27	15 43	10 6	10 36	19 2	8 9	1 7
T 22	2 30	24 24	5 10	14 49	3 14	19 45	2 1	8 1	1 11	11 42	0 56	2 50	2 8	19 13	0 41	22 21	1 9	3 26	15 43	10 7	10 37	19 0	8 8	1 7
F 23	2 53	27 3	5 11	15 5	3 16	20 7	2 5	7 46	1 11	11 38	0 56	2 48	2 9	19 13	0 41	22 21	1 9	3 25	15 43	10 9	10 38	18 57	8 7	1 7
S 24	3 17	28 14	4 57	15 18	3 18	20 28	2 8	7 32	1 11	11 34	0 57	2 45	2 9	19 14	0 41	22 21	1 9	3 24	15 43	10 10	10 39	18 54	8 6	1 7
S 25	3 40	27 58	4 30	15 28	3 19	20 49	2 12	7 17	1 11	11 30	0 57	2 42	2 9	19 14	0 41	22 21	1 9	3 23	15 42	10 11	10 40	18 52	8 5	1 7
M26	4 4	26 23	3 51	15 36	3 20	21 10	2 15	7 2	1 11	11 26	0 57	2 39	2 9	19 14	0 41	22 21	1 9	3 22	15 42	10 11	10 41	18 49	8 4	1 7
T 27	4 27	23 38	3 3	15 40	3 19	21 30	2 19	6 47	1 11	11 22	0 57	2 36	2 9	19 14	0 41	22 21	1 9	3 21	15 42	10 10	10 42	18 46	8 3	1 7
W28	4 50	19 55	2 7	15 41	3 17	21 49	2 22	6 32	1 11	11 18	0 57	2 33	2 9	19 14	0 41	22 21	1 9	3 20	15 42	10 10	10 44	18 44	8 1	1 7
T 29	5 14	15 25	1 6	15 38	3 14	22 8	2 25	6 17	1 11	11 14	0 57	2 31	2 9	19 14	0 41	22 21	1 9	3 19	15 42	10 9	10 45	18 41	8 0	1 6
F 30	5s37	10n18	0n 2	15s32	3s10	22s27	2s29	6n 2	1n11	11n10	0n58	2n28	2n 9	19s14	0s41	22n21	1s 9	3n18	15n41	10s 9	10s46	18n38	7n59	1n 6

Julian Day Number = 2175672.5, Delta T = 11m55s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'26, Lahiri = 13°19'26 Julian Calendar 1 Sept. 1244 == Greg. Calendar 8 Sept. 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

OCTOBER 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 8 13	15♎10'54	15♍33	2°R44	0♐10	18♍ 9	3♍40	28♍53	7°R 3	26°R46	29♎43	3°R49	2♓ 4	13♌ 1	17°R37	S 1
S 2	1 12 10	16°10'38	27°47	2♏20	1°18	18°47	3°51	29° 1	7♒ 3	26♊46	29°45	3♓46	2° 1	13° 8	17♈34	S 2
M 3	1 16 7	17°10'24	10♎16	1°47	2°25	19°25	4° 2	29° 8	7° 3	26°46	29°48	3°42	1°57	13°14	17°32	M 3
T 4	1 20 3	18°10'12	23° 0	1° 5	3°32	20° 3	4°13	29°15	7° 2	26°45	29°50	3°35	1°54	13°21	17°29	T 4
W 5	1 24 0	19°10'02	5♏59	0°14	4°39	20°41	4°24	29°22	7° 2	26°45	29°53	3°27	1°51	13°28	17°26	W 5
T 6	1 27 56	20° 9'54	19°12	29♎16	5°46	21°19	4°35	29°29	7° 2	26°45	29°55	3°19	1°48	13°34	17°23	T 6
F 7	1 31 53	21° 9'48	2♐38	28°10	6°53	21°58	4°46	29°36	7° 2	26°44	29°57	3°11	1°45	13°41	17°20	F 7
S 8	1 35 49	22° 9'44	16°15	26°59	8° 0	22°36	4°57	29°43	7° 2	26°44	29°59	3° 4	1°42	13°48	17°17	S 8
S 9	1 39 46	23° 9'41	0♑ 1	25°44	9° 6	23°14	5° 7	29°50	7°D 2	26°43	0♏ 2	3° 0	1°38	13°54	17°14	S 9
M10	1 43 42	24° 9'41	13°56	24°27	10°12	23°52	5°18	29°57	7° 2	26°43	0° 5	2°57	1°35	14° 1	17°11	M10
T 11	1 47 39	25° 9'41	27°58	23°11	11°18	24°30	5°28	0♎ 4	7° 2	26°42	0° 7	2°D57	1°32	14° 8	17° 9	T 11
W12	1 51 36	26° 9'44	12♒ 7	21°57	12°24	25° 8	5°39	0°11	7° 2	26°41	0°10	2°58	1°29	14°14	17° 6	W12
T 13	1 55 32	27° 9'48	26°21	20°49	13°30	25°46	5°49	0°18	7° 2	26°41	0°12	2°R58	1°26	14°21	17° 3	T 13
F 14	1 59 29	28° 9'53	10♓39	19°48	14°35	26°25	5°59	0°24	7° 2	26°40	0°14	2°58	1°22	14°28	17° 0	F 14
S 15	2 3 25	29°10'00	24°57	18°56	15°40	27° 3	6° 9	0°31	7° 2	26°39	0°17	2°56	1°19	14°34	16°57	S 15
S 16	2 7 22	0♏10'09	9♈12	18°14	16°45	27°41	6°19	0°38	7° 3	26°38	0°19	2°52	1°16	14°41	16°55	S 16
M17	2 11 18	1°10'19	23°19	17°43	17°50	28°19	6°29	0°45	7° 3	26°38	0°22	2°45	1°13	14°48	16°52	M17
T 18	2 15 15	2°10'31	7♉13	17°25	18°54	28°57	6°39	0°51	7° 3	26°37	0°24	2°35	1°10	14°54	16°49	T 18
W19	2 19 11	3°10'46	20°50	17°D17	19°59	29°35	6°49	0°58	7° 4	26°36	0°27	2°25	1° 7	15° 1	16°46	W19
T 20	2 23 8	4°11'02	4♊ 8	17°21	21° 3	0♎13	6°59	1° 5	7° 4	26°35	0°29	2°14	1° 3	15° 8	16°44	T 20
F 21	2 27 5	5°11'20	17° 4	17°36	22° 6	0°52	7° 8	1°11	7° 5	26°34	0°31	2° 4	1° 0	15°14	16°41	F 21
S 22	2 31 1	6°11'40	29°39	18° 1	23°10	1°30	7°18	1°18	7° 6	26°33	0°34	1°56	0°57	15°21	16°38	S 22
S 23	2 34 58	7°12'02	11♋56	18°35	24°13	2° 8	7°27	1°24	7° 6	26°32	0°36	1°51	0°54	15°27	16°36	S 23
M24	2 38 54	8°12'25	23°59	19°17	25°16	2°46	7°36	1°30	7° 7	26°31	0°39	1°47	0°51	15°34	16°33	M24
T 25	2 42 51	9°12'51	5♌51	20° 7	26°19	3°24	7°45	1°37	7° 8	26°30	0°41	1°D46	0°48	15°41	16°30	T 25
W26	2 46 47	10°13'19	17°39	21° 3	27°21	4° 2	7°54	1°43	7° 9	26°29	0°44	1°46	0°44	15°47	16°28	W26
T 27	2 50 44	11°13'48	29°28	22° 5	28°23	4°41	8° 3	1°49	7° 9	26°28	0°46	1°R47	0°41	15°54	16°25	T 27
F 28	2 54 40	12°14'20	11♍24	23°12	29°24	5°19	8°12	1°56	7°10	26°27	0°48	1°46	0°38	16° 1	16°23	F 28
S 29	2 58 37	13°14'53	23°31	24°23	0♑26	5°57	8°20	2° 2	7°11	26°26	0°51	1°44	0°35	16° 7	16°20	S 29
S 30	3 2 34	14°15'28	5♎53	25°38	1°27	6°35	8°29	2° 8	7°12	26°25	0°53	1°39	0°32	16°14	16°18	S 30
M31	3 6 30	15♏16'04	18♎34	26♎56	2♑27	7♎13	8♍37	2♎14	7♒13	26♊24	0♏56	1♓32	0♓28	16♌21	16♈15	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	6s 0	4n45	1s 3	15s21	3s 4	22s45	2s32	5n47	1n11	11n 6	0n58	2n25	2n 9	19s14	0s41	22n21	1s10	3n17	15n41	10s 9	10s47	18n35	7n58	1n 6	S 1
S 2	6 23	1s 3	2 6	15 5	2 56	23 2	2 35	5 32	1 10	11 2	0 58	2 22	2 9	19 15	0 41	22 20	1 10	3 16	15 41	10 10	10 48	18 33	7 57	1 6	S 2
M 3	6 46	6 55	3 4	14 45	2 47	23 19	2 38	5 17	1 10	10 58	0 58	2 19	2 9	19 15	0 41	22 20	1 10	3 15	15 41	10 12	10 49	18 30	7 56	1 6	M 3
T 4	7 9	12 36	3 54	14 20	2 36	23 35	2 41	5 2	1 10	10 54	0 58	2 17	2 9	19 15	0 41	22 20	1 10	3 14	15 41	10 14	10 50	18 27	7 54	1 6	T 4
W 5	7 32	17 52	4 33	13 50	2 23	23 51	2 44	4 47	1 10	10 50	0 58	2 14	2 10	19 15	0 41	22 20	1 10	3 13	15 41	10 17	10 52	18 25	7 53	1 6	W 5
T 6	7 55	22 22	4 58	13 16	2 9	24 6	2 47	4 32	1 10	10 47	0 58	2 11	2 10	19 15	0 41	22 20	1 10	3 12	15 40	10 20	10 53	18 22	7 52	1 6	T 6
F 7	8 17	25 48	5 7	12 37	1 52	24 20	2 49	4 17	1 10	10 43	0 59	2 9	2 10	19 15	0 40	22 20	1 10	3 11	15 40	10 23	10 54	18 19	7 51	1 6	F 7
S 8	8 40	27 47	4 59	11 54	1 34	24 34	2 52	4 1	1 10	10 39	0 59	2 6	2 10	19 15	0 40	22 20	1 10	3 10	15 40	10 25	10 55	18 16	7 50	1 6	S 8
S 9	9 2	28 7	4 34	11 9	1 15	24 47	2 55	3 46	1 10	10 35	0 59	2 3	2 10	19 15	0 40	22 20	1 10	3 10	15 40	10 27	10 56	18 14	7 48	1 6	S 9
M10	9 25	26 40	3 53	10 22	0 55	25 0	2 57	3 31	1 10	10 31	0 59	2 0	2 10	19 15	0 40	22 20	1 10	3 9	15 40	10 28	10 57	18 11	7 47	1 6	M10
T 11	9 47	23 32	2 57	9 35	0 34	25 12	3 0	3 16	1 10	10 28	0 59	1 58	2 10	19 15	0 40	22 20	1 10	3 8	15 40	10 28	10 58	18 8	7 46	1 6	T 11
W12	10 9	18 59	1 50	8 48	0 14	25 23	3 2	3 0	1 10	10 24	1 0	1 55	2 10	19 15	0 40	22 20	1 10	3 7	15 40	10 28	11 0	18 5	7 45	1 5	W12
T 13	10 30	13 20	0 36	8 3	0n 7	25 34	3 4	2 45	1 10	10 20	1 0	1 53	2 10	19 14	0 40	22 20	1 10	3 6	15 40	10 27	11 1	18 3	7 44	1 5	T 13
F 14	10 52	6 58	0n41	7 22	0 26	25 44	3 6	2 30	1 10	10 17	1 0	1 50	2 11	19 14	0 40	22 20	1 10	3 5	15 40	10 27	11 2	18 0	7 43	1 5	F 14
S 15	11 13	0 15	1 55	6 45	0 45	25 53	3 8	2 15	1 9	10 13	1 0	1 47	2 11	19 14	0 40	22 20	1 10	3 4	15 40	10 28	11 3	17 57	7 41	1 5	S 15
S 16	11 35	6n26	3 1	6 14	1 2	26 2	3 10	1 59	1 9	10 10	1 0	1 45	2 11	19 14	0 40	22 20	1 10	3 3	15 40	10 30	11 4	17 54	7 40	1 5	S 16
M17	11 56	12 44	3 56	5 48	1 17	26 10	3 12	1 44	1 9	10 6	1 0	1 42	2 11	19 14	0 40	22 20	1 10	3 3	15 40	10 32	11 5	17 52	7 39	1 5	M17
T 18	12 17	18 18	4 35	5 28	1 31	26 18	3 14	1 29	1 9	10 3	1 1	1 40	2 11	19 14	0 40	22 20	1 10	3 2	15 40	10 36	11 6	17 49	7 38	1 5	T 18
W19	12 37	22 49	4 58	5 14	1 43	26 24	3 15	1 13	1 9	9 59	1 1	1 37	2 11	19 14	0 40	22 20	1 10	3 1	15 40	10 39	11 8	17 46	7 37	1 5	W19
T 20	12 58	26 2	5 4	5 7	1 53	26 31	3 17	0 58	1 9	9 56	1 1	1 35	2 11	19 14	0 40	22 20	1 10	3 0	15 40	10 43	11 9	17 43	7 36	1 5	T 20
F 21	13 18	27 47	4 54	5 5	2 1	26 36	3 18	0 43	1 9	9 53	1 1	1 32	2 11	19 13	0 40	22 20	1 10	2 59	15 40	10 47	11 10	17 40	7 35	1 5	F 21
S 22	13 38	28 2	4 29	5 8	2 7	26 41	3 19	0 27	1 9	9 49	1 1	1 30	2 12	19 13	0 40	22 20	1 10	2 59	15 40	10 50	11 11	17 38	7 33	1 4	S 22
S 23	13 58	26 52	3 53	5 17	2 12	26 45	3 21	0 12	1 9	9 46	1 2	1 27	2 12	19 13	0 40	22 20	1 10	2 58	15 40	10 52	11 12	17 35	7 32	1 4	S 23
M24	14 18	24 28	3 7	5 29	2 16	26 49	3 22	0s 4	1 8	9 43	1 2	1 25	2 12	19 13	0 40	22 20	1 10	2 57	15 40	10 53	11 13	17 32	7 31	1 4	M24
T 25	14 38	21 3	2 14	5 46	2 18	26 52	3 22	0 19	1 8	9 39	1 2	1 22	2 12	19 13	0 40	22 19	1 10	2 56	15 40	10 53	11 14	17 29	7 30	1 4	T 25
W26	14 57	16 47	1 15	6 6	2 19	26 54	3 23	0 34	1 8	9 36	1 2	1 20	2 12	19 12	0 40	22 19	1 10	2 55	15 40	10 53	11 15	17 26	7 29	1 4	W26
T 27	15 16	11 54	0 12	6 30	2 18	26 55	3 24	0 50	1 8	9 33	1 3	1 18	2 12	19 12	0 40	22 19	1 10	2 55	15 40	10 53	11 17	17 24	7 28	1 4	T 27
F 28	15 34	6 32	0s51	6 56	2 17	26 56	3 24	1 5	1 8	9 30	1 3	1 15	2 13	19 12	0 40	22 19	1 10	2 54	15 40	10 53	11 18	17 21	7 27	1 4	F 28
S 29	15 53	0 52	1 53	7 24	2 15	26 57	3 24	1 20	1 8	9 27	1 3	1 13	2 13	19 12	0 40	22 19	1 10	2 53	15 40	10 54	11 19	17 18	7 26	1 4	S 29
S 30	16 11	4s57	2 51	7 53	2 13	26 56	3 24	1 35	1 8	9 24	1 3	1 11	2 13	19 11	0 40	22 19	1 10	2 53	15 40	10 56	11 20	17 15	7 25	1 4	S 30
M31	16s29	10s43	3s41	8s25	2n 9	26s55	3s24	1s51	1n 7	9n21	1n 3	1n 9	2n13	19s11	0s40	22n19	1s10	2n52	15n40	10s58	11s21	17n12	7n24	1n 4	M31

Julian Day Number = 2175702.5, Delta T = 11m55s
Ecliptic obliquity = 23°32'23, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'30, Lahiri = 13°19'30 Julian Calendar 1 Oct. 1244 == Greg. Calendar 8 Oct. 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

NOVEMBER 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 10 27	16♏16'43	1♏35	28♎17	3♑28	7♎52	8♍46	2♎20	7♒15	26°R22	0♏58	1°R22	0♓25	16♌27	16°R13	T 1
W 2	3 14 23	17°17'23	14°56	29°39	4°27	8°30	8°54	2°26	7°16	26♊21	1° 0	1♓10	0°22	16°34	16♈10	W 2
T 3	3 18 20	18°18'04	28°35	1♏ 4	5°27	9° 8	9° 2	2°32	7°17	26°20	1° 3	0°57	0°19	16°41	16° 8	T 3
F 4	3 22 16	19°18'47	12♐28	2°30	6°26	9°46	9°10	2°38	7°18	26°19	1° 5	0°45	0°16	16°47	16° 6	F 4
S 5	3 26 13	20°19'31	26°30	3°58	7°24	10°24	9°17	2°43	7°20	26°17	1° 7	0°34	0°13	16°54	16° 4	S 5
S 6	3 30 9	21°20'17	10♑39	5°27	8°22	11° 2	9°25	2°49	7°21	26°16	1°10	0°26	0° 9	17° 1	16° 1	S 6
M 7	3 34 6	22°21'03	24°49	6°56	9°20	11°41	9°32	2°55	7°22	26°15	1°12	0°22	0° 6	17° 7	15°59	M 7
T 8	3 38 3	23°21'51	8♒58	8°27	10°17	12°19	9°40	3° 0	7°24	26°13	1°14	0°19	0° 3	17°14	15°57	T 8
W 9	3 41 59	24°22'39	23° 4	9°58	11°14	12°57	9°47	3° 6	7°25	26°12	1°17	0°19	29♒59	17°21	15°55	W 9
T 10	3 45 56	25°23'28	7♓ 7	11°29	12°10	13°35	9°54	3°11	7°27	26°11	1°19	0°19	29°57	17°27	15°53	T 10
F 11	3 49 52	26°24'18	21° 5	13° 1	13° 5	14°13	10° 1	3°17	7°28	26° 9	1°21	0°18	29°53	17°34	15°51	F 11
S 12	3 53 49	27°25'09	4♈59	14°33	14° 0	14°52	10° 8	3°22	7°30	26° 8	1°23	0°15	29°50	17°40	15°49	S 12
S 13	3 57 45	28°26'01	18°47	16° 6	14°54	15°30	10°14	3°27	7°32	26° 6	1°26	0° 9	29°47	17°47	15°47	S 13
M14	4 1 42	29°26'54	2♉28	17°38	15°48	16° 8	10°21	3°32	7°34	26° 5	1°28	29♒59	29°44	17°54	15°45	M14
T 15	4 5 38	0♐27'48	15°58	19°11	16°40	16°46	10°27	3°38	7°35	26° 3	1°30	29°48	29°41	18° 0	15°43	T 15
W16	4 9 35	1°28'43	29°15	20°44	17°33	17°24	10°33	3°43	7°37	26° 2	1°32	29°34	29°38	18° 7	15°41	W16
T 17	4 13 32	2°29'39	12♊17	22°17	18°24	18° 2	10°39	3°48	7°39	26° 0	1°34	29°20	29°34	18°14	15°39	T 17
F 18	4 17 28	3°30'36	25° 3	23°50	19°15	18°41	10°45	3°52	7°41	25°59	1°37	29° 8	29°31	18°20	15°38	F 18
S 19	4 21 25	4°31'35	7♋32	25°24	20° 5	19°19	10°51	3°57	7°43	25°57	1°39	28°57	29°28	18°27	15°36	S 19
S 20	4 25 21	5°32'34	19°46	26°57	20°54	19°57	10°57	4° 2	7°45	25°56	1°41	28°49	29°25	18°34	15°34	S 20
M21	4 29 18	6°33'34	1♌47	28°30	21°42	20°35	11° 2	4° 7	7°47	25°54	1°43	28°43	29°22	18°40	15°33	M21
T 22	4 33 14	7°34'36	13°39	0♐ 4	22°30	21°13	11° 7	4°11	7°49	25°53	1°45	28°40	29°19	18°47	15°31	T 22
W23	4 37 11	8°35'38	25°26	1°37	23°16	21°51	11°12	4°16	7°51	25°51	1°47	28°D40	29°15	18°54	15°30	W23
T 24	4 41 8	9°36'41	7♍14	3°11	24° 1	22°30	11°17	4°20	7°53	25°49	1°49	28°R40	29°12	19° 0	15°29	T 24
F 25	4 45 4	10°37'46	19° 9	4°45	24°46	23° 8	11°22	4°24	7°56	25°48	1°51	28°39	29° 9	19° 7	15°27	F 25
S 26	4 49 1	11°38'51	1♎15	6°18	25°29	23°46	11°27	4°29	7°58	25°46	1°53	28°38	29° 6	19°14	15°26	S 26
S 27	4 52 57	12°39'58	13°39	7°52	26°12	24°24	11°31	4°33	8° 0	25°45	1°55	28°34	29° 3	19°20	15°25	S 27
M28	4 56 54	13°41'05	26°24	9°26	26°53	25° 2	11°35	4°37	8° 2	25°43	1°57	28°27	28°59	19°27	15°23	M28
T 29	5 0 50	14°42'13	9♏34	11° 0	27°33	25°41	11°39	4°41	8° 5	25°41	1°59	28°18	28°56	19°33	15°22	T 29
W30	5 4 47	15♐43'22	23♏ 8	12♐35	28♑12	26♎19	11♍43	4♎45	8♒ 7	25♊40	2♏ 1	28♒ 7	28♒53	19♌40	15♈21	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s47	16s10	4s22	8s57	2n 5	26s54	3s24	2s 6	1n 7	9n18	1n 4	1n 6	2n13	19s11	0s40	22n19	1s10	2n51	15n40	11s 2	11s22	17n 9	7n23	1n 3
W 2	17 4	20 59	4 49	9 31	2 1	26 51	3 24	2 21	1 7	9 15	1 4	1 4	2 13	19 10	0 40	22 19	1 10	2 50	15 40	11 6	11 23	17 7	7 22	1 3
T 3	17 21	24 48	5 0	10 5	1 56	26 48	3 23	2 36	1 7	9 12	1 4	1 2	2 14	19 10	0 40	22 19	1 10	2 50	15 40	11 11	11 24	17 4	7 21	1 3
F 4	17 38	27 15	4 55	10 40	1 50	26 45	3 22	2 52	1 7	9 10	1 4	1 0	2 14	19 10	0 40	22 19	1 10	2 49	15 41	11 15	11 26	17 1	7 20	1 3
S 5	17 54	28 0	4 31	11 15	1 45	26 41	3 21	3 7	1 7	9 7	1 5	0 58	2 14	19 9	0 40	22 19	1 10	2 49	15 41	11 19	11 27	16 58	7 19	1 3
S 6	18 10	26 56	3 51	11 50	1 39	26 36	3 20	3 22	1 7	9 4	1 5	0 56	2 14	19 9	0 40	22 19	1 10	2 48	15 41	11 22	11 28	16 55	7 18	1 3
M 7	18 26	24 8	2 56	12 26	1 33	26 31	3 19	3 37	1 6	9 2	1 5	0 53	2 14	19 9	0 40	22 19	1 10	2 47	15 41	11 23	11 29	16 52	7 17	1 3
T 8	18 42	19 52	1 50	13 1	1 26	26 25	3 17	3 52	1 6	8 59	1 5	0 51	2 15	19 8	0 40	22 19	1 10	2 47	15 41	11 24	11 30	16 50	7 16	1 3
W 9	18 57	14 29	0 38	13 36	1 20	26 19	3 16	4 7	1 6	8 57	1 5	0 49	2 15	19 8	0 39	22 19	1 10	2 46	15 41	11 24	11 31	16 47	7 15	1 3
T 10	19 11	8 23	0n36	14 11	1 13	26 12	3 14	4 22	1 6	8 54	1 6	0 47	2 15	19 7	0 39	22 19	1 10	2 45	15 41	11 24	11 32	16 44	7 14	1 2
F 11	19 26	1 54	1 47	14 46	1 6	26 4	3 12	4 37	1 6	8 52	1 6	0 45	2 15	19 7	0 39	22 19	1 10	2 45	15 42	11 25	11 33	16 41	7 13	1 2
S 12	19 40	4n37	2 52	15 20	0 59	25 56	3 10	4 52	1 5	8 49	1 6	0 44	2 15	19 6	0 39	22 19	1 10	2 44	15 42	11 26	11 35	16 38	7 12	1 2
S 13	19 54	10 52	3 46	15 53	0 52	25 48	3 7	5 7	1 5	8 47	1 6	0 42	2 16	19 6	0 39	22 19	1 10	2 44	15 42	11 28	11 36	16 35	7 11	1 2
M14	20 7	16 33	4 27	16 26	0 45	25 39	3 4	5 22	1 5	8 45	1 7	0 40	2 16	19 5	0 39	22 18	1 10	2 43	15 42	11 31	11 37	16 32	7 10	1 2
T 15	20 20	21 20	4 51	16 59	0 38	25 30	3 1	5 37	1 5	8 43	1 7	0 38	2 16	19 5	0 39	22 18	1 10	2 43	15 42	11 35	11 38	16 29	7 10	1 2
W16	20 33	24 57	5 0	17 31	0 31	25 20	2 58	5 52	1 5	8 40	1 7	0 36	2 16	19 5	0 39	22 18	1 10	2 42	15 43	11 40	11 39	16 27	7 9	1 2
T 17	20 45	27 11	4 52	18 2	0 24	25 9	2 55	6 7	1 4	8 38	1 7	0 34	2 17	19 4	0 39	22 18	1 10	2 42	15 43	11 45	11 40	16 24	7 8	1 2
F 18	20 57	27 57	4 30	18 32	0 17	24 58	2 51	6 22	1 4	8 36	1 8	0 33	2 17	19 3	0 39	22 18	1 10	2 41	15 43	11 50	11 41	16 21	7 7	1 1
S 19	21 8	27 15	3 55	19 2	0 10	24 47	2 47	6 36	1 4	8 34	1 8	0 31	2 17	19 3	0 39	22 18	1 10	2 41	15 43	11 53	11 42	16 18	7 6	1 1
S 20	21 19	25 13	3 10	19 30	0 3	24 35	2 43	6 51	1 4	8 33	1 8	0 29	2 17	19 2	0 39	22 18	1 10	2 40	15 44	11 56	11 43	16 15	7 6	1 1
M21	21 30	22 5	2 17	19 58	0s 4	24 23	2 39	7 6	1 3	8 31	1 8	0 28	2 17	19 2	0 39	22 18	1 10	2 40	15 44	11 58	11 45	16 12	7 5	1 1
T 22	21 40	18 3	1 19	20 25	0 10	24 11	2 34	7 20	1 3	8 29	1 9	0 26	2 18	19 1	0 39	22 18	1 10	2 39	15 44	11 59	11 46	16 9	7 4	1 1
W23	21 50	13 22	0 17	20 51	0 17	23 58	2 29	7 35	1 3	8 27	1 9	0 24	2 18	19 1	0 39	22 18	1 10	2 39	15 44	11 59	11 47	16 6	7 4	1 1
T 24	21 59	8 11	0s45	21 16	0 24	23 45	2 24	7 49	1 3	8 26	1 9	0 23	2 18	19 0	0 39	22 18	1 10	2 39	15 45	11 59	11 48	16 3	7 3	1 1
F 25	22 8	2 41	1 46	21 40	0 30	23 32	2 18	8 4	1 2	8 24	1 10	0 21	2 18	19 0	0 39	22 18	1 10	2 38	15 45	11 59	11 49	16 0	7 2	1 1
S 26	22 17	3s 0	2 44	22 3	0 37	23 18	2 12	8 18	1 2	8 23	1 10	0 20	2 19	18 59	0 39	22 18	1 10	2 38	15 45	12 0	11 50	15 58	7 2	1 0
S 27	22 25	8 42	3 35	22 25	0 43	23 4	2 6	8 32	1 2	8 21	1 10	0 19	2 19	18 58	0 39	22 18	1 10	2 37	15 46	12 1	11 51	15 55	7 1	1 0
M28	22 32	14 12	4 16	22 46	0 49	22 50	2 0	8 47	1 2	8 20	1 10	0 17	2 19	18 58	0 39	22 18	1 10	2 37	15 46	12 4	11 52	15 52	7 1	1 0
T 29	22 39	19 15	4 46	23 6	0 55	22 35	1 53	9 1	1 1	8 18	1 11	0 16	2 19	18 57	0 39	22 18	1 10	2 37	15 46	12 7	11 54	15 49	7 0	1 0
W30	22s46	23s29	5s 1	23s24	1s 1	22s20	1s46	9s15	1n 1	8n17	1n11	0n14	2n20	18s56	0s39	22n18	1s10	2n36	15n47	12s11	11s55	15n46	6n59	1n 0

Julian Day Number = 2175733.5, Delta T = 11m55s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'34, Lahiri = 13°19'35 Julian Calendar 1 Nov. 1244 == Greg. Calendar 8 Nov. 1244

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ASTRODIENST EPHEMERIS for the year 1244
geocentric

DECEMBER 1244 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 8 43	16♐44'32	7♐ 6	14♐ 9	28♉50	26♎57	11♍47	4♎49	8♒10	25°R38	2♏ 3	27°R55	28♒50	19♌47	15°R20	T 1
F 2	5 12 40	17°45'42	21°23	15°44	29°26	27°35	11°51	4°52	8°12	25♊36	2° 5	27♒44	28°47	19°53	15♈19	F 2
S 3	5 16 37	18°46'53	5♉53	17°19	0♒ 1	28°13	11°54	4°56	8°15	25°34	2° 7	27°34	28°44	20° 0	15°18	S 3
S 4	5 20 33	19°48'04	20°29	18°53	0°35	28°51	11°57	5° 0	8°17	25°33	2° 8	27°26	28°40	20° 7	15°17	S 4
M 5	5 24 30	20°49'15	5♒ 4	20°29	1° 7	29°29	12° 0	5° 3	8°20	25°31	2°10	27°22	28°37	20°13	15°16	M 5
T 6	5 28 26	21°50'26	19°33	22° 4	1°37	0♏ 8	12° 3	5° 6	8°22	25°29	2°12	27°20	28°34	20°20	15°16	T 6
W 7	5 32 23	22°51'37	3♓52	23°40	2° 6	0°46	12° 6	5°10	8°25	25°28	2°14	27°D19	28°31	20°27	15°15	W 7
T 8	5 36 19	23°52'48	17°59	25°16	2°33	1°24	12° 8	5°13	8°28	25°26	2°15	27°R20	28°28	20°33	15°14	T 8
F 9	5 40 16	24°53'59	1♈53	26°52	2°59	2° 2	12°10	5°16	8°30	25°24	2°17	27°20	28°25	20°40	15°14	F 9
S 10	5 44 12	25°55'10	15°34	28°28	3°22	2°40	12°12	5°19	8°33	25°23	2°19	27°18	28°21	20°47	15°13	S 10
S 11	5 48 9	26°56'21	29° 3	0♉ 5	3°44	3°18	12°14	5°22	8°36	25°21	2°20	27°14	28°18	20°53	15°13	S 11
M12	5 52 6	27°57'32	12♉20	1°42	4° 4	3°56	12°16	5°24	8°39	25°19	2°22	27° 7	28°15	21° 0	15°12	M12
T 13	5 56 2	28°58'42	25°26	3°19	4°22	4°34	12°18	5°27	8°42	25°18	2°24	26°58	28°12	21° 7	15°12	T 13
W14	5 59 59	29°59'53	8♊20	4°57	4°37	5°12	12°19	5°30	8°45	25°16	2°25	26°47	28° 9	21°13	15°12	W14
T 15	6 3 55	1♉ 1'03	21° 2	6°35	4°51	5°50	12°20	5°32	8°47	25°14	2°27	26°36	28° 5	21°20	15°11	T 15
F 16	6 7 52	2° 2'14	3♋31	8°13	5° 2	6°28	12°21	5°35	8°50	25°12	2°28	26°26	28° 2	21°26	15°11	F 16
S 17	6 11 48	3° 3'24	15°48	9°52	5°11	7° 7	12°22	5°37	8°53	25°11	2°30	26°18	27°59	21°33	15°11	S 17
S 18	6 15 45	4° 4'34	27°54	11°30	5°18	7°45	12°22	5°39	8°56	25° 9	2°31	26°11	27°56	21°40	15°11	S 18
M19	6 19 42	5° 5'44	9♌51	13° 9	5°23	8°23	12°23	5°41	8°59	25° 7	2°32	26° 7	27°53	21°46	15°D11	M19
T 20	6 23 38	6° 6'54	21°41	14°49	5°R24	9° 1	12°R23	5°43	9° 2	25° 6	2°34	26°D 5	27°50	21°53	15°11	T 20
W21	6 27 35	7° 8'04	3♍27	16°28	5°24	9°39	12°23	5°45	9° 5	25° 4	2°35	26° 6	27°46	22° 0	15°11	W21
T 22	6 31 31	8° 9'14	15°15	18° 8	5°21	10°17	12°23	5°47	9° 9	25° 2	2°36	26° 7	27°43	22° 6	15°11	T 22
F 23	6 35 28	9°10'24	27° 8	19°47	5°16	10°55	12°22	5°49	9°12	25° 1	2°38	26° 8	27°40	22°13	15°12	F 23
S 24	6 39 24	10°11'34	9♎12	21°27	5° 8	11°33	12°22	5°50	9°15	24°59	2°39	26°R 9	27°37	22°20	15°12	S 24
S 25	6 43 21	11°12'43	21°33	23° 6	4°57	12°11	12°21	5°52	9°18	24°58	2°40	26° 8	27°34	22°26	15°12	S 25
M26	6 47 17	12°13'53	4♏15	24°46	4°44	12°49	12°20	5°53	9°21	24°56	2°41	26° 6	27°31	22°33	15°13	M26
T 27	6 51 14	13°15'02	17°22	26°24	4°29	13°27	12°19	5°54	9°24	24°54	2°42	26° 2	27°27	22°40	15°13	T 27
W28	6 55 11	14°16'11	0♐57	28° 3	4°11	14° 5	12°17	5°55	9°28	24°53	2°44	25°56	27°24	22°46	15°14	W28
T 29	6 59 7	15°17'20	15° 0	29°40	3°50	14°43	12°16	5°56	9°31	24°51	2°45	25°49	27°21	22°53	15°14	T 29
F 30	7 3 4	16°18'29	29°27	1♒17	3°28	15°21	12°14	5°57	9°34	24°50	2°46	25°42	27°18	23° 0	15°15	F 30
S 31	7 7 0	17♉19'37	14♉14	2♒52	3♒ 3	15♏59	12♍12	5♎58	9♒37	24♊48	2♏47	25♒36	27♒15	23♌ 6	15♈16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s53	26s29	4s58	23s42	1s 6	22s 5	1s39	9s29	1n 1	8n16	1n11	0n13	2n20	18s56	0s39	22n18	1s10	2n36	15n47	12s15	11s56	15n43	6n59	1n 0
F 2	22 58	27 52	4 37	23 58	1 12	21 50	1 31	9 43	1 0	8 15	1 11	0 12	2 20	18 55	0 39	22 18	1 10	2 36	15 47	12 19	11 57	15 40	6 58	1 0
S 3	23 4	27 22	3 58	24 13	1 17	21 35	1 23	9 57	1 0	8 14	1 12	0 11	2 20	18 54	0 39	22 17	1 10	2 36	15 48	12 22	11 58	15 37	6 58	1 0
S 4	23 9	24 59	3 3	24 26	1 22	21 20	1 15	10 11	1 0	8 13	1 12	0 10	2 21	18 54	0 39	22 17	1 10	2 35	15 48	12 25	11 59	15 34	6 57	0 59
M 5	23 13	20 57	1 56	24 39	1 27	21 4	1 6	10 25	1 0	8 12	1 12	0 8	2 21	18 53	0 39	22 17	1 10	2 35	15 48	12 26	12 0	15 31	6 57	0 59
T 6	23 17	15 40	0 41	24 50	1 32	20 49	0 57	10 38	0 59	8 11	1 13	0 7	2 21	18 52	0 39	22 17	1 10	2 35	15 49	12 27	12 1	15 28	6 57	0 59
W 7	23 21	9 35	0n35	24 59	1 36	20 33	0 48	10 52	0 59	8 10	1 13	0 6	2 21	18 52	0 39	22 17	1 10	2 35	15 49	12 27	12 2	15 25	6 56	0 59
T 8	23 24	3 7	1 48	25 8	1 41	20 17	0 38	11 6	0 59	8 10	1 13	0 5	2 22	18 51	0 39	22 17	1 10	2 34	15 49	12 27	12 3	15 22	6 56	0 59
F 9	23 26	3n24	2 53	25 15	1 45	20 2	0 28	11 19	0 58	8 9	1 13	0 4	2 22	18 50	0 39	22 17	1 10	2 34	15 50	12 27	12 5	15 19	6 55	0 59
S 10	23 29	9 39	3 48	25 20	1 48	19 46	0 18	11 32	0 58	8 9	1 14	0 3	2 22	18 49	0 39	22 17	1 10	2 34	15 50	12 28	12 6	15 16	6 55	0 59
S 11	23 30	15 22	4 29	25 24	1 52	19 31	0 7	11 46	0 58	8 8	1 14	0 2	2 22	18 49	0 39	22 17	1 10	2 34	15 51	12 29	12 7	15 13	6 55	0 58
M12	23 31	20 16	4 55	25 26	1 55	19 15	0n 4	11 59	0 57	8 8	1 14	0 2	2 23	18 48	0 39	22 17	1 10	2 34	15 51	12 31	12 8	15 10	6 55	0 58
T 13	23 32	24 7	5 4	25 27	1 58	19 0	0 16	12 12	0 57	8 7	1 15	0 1	2 23	18 47	0 39	22 17	1 10	2 34	15 51	12 35	12 9	15 7	6 54	0 58
W14	23 32	26 42	4 58	25 27	2 0	18 44	0 28	12 25	0 57	8 7	1 15	0s 0	2 23	18 46	0 39	22 17	1 10	2 34	15 52	12 38	12 10	15 4	6 54	0 58
T 15	23 32	27 51	4 38	25 25	2 2	18 29	0 40	12 38	0 56	8 7	1 15	0 1	2 24	18 46	0 39	22 17	1 10	2 33	15 52	12 42	12 11	15 2	6 54	0 58
F 16	23 31	27 33	4 4	25 21	2 4	18 14	0 52	12 51	0 56	8 7	1 15	0 1	2 24	18 45	0 39	22 17	1 10	2 33	15 53	12 45	12 12	14 59	6 54	0 58
S 17	23 30	25 54	3 19	25 15	2 5	18 0	1 5	13 4	0 55	8 7	1 16	0 2	2 24	18 44	0 39	22 17	1 10	2 33	15 53	12 48	12 13	14 56	6 54	0 58
S 18	23 29	23 3	2 26	25 8	2 7	17 45	1 19	13 17	0 55	8 7	1 16	0 3	2 24	18 43	0 39	22 17	1 10	2 33	15 53	12 51	12 14	14 53	6 53	0 58
M19	23 26	19 15	1 26	25 0	2 7	17 31	1 32	13 30	0 55	8 7	1 16	0 3	2 25	18 42	0 39	22 17	1 10	2 33	15 54	12 52	12 16	14 50	6 53	0 57
T 20	23 24	14 43	0 24	24 49	2 7	17 17	1 46	13 42	0 54	8 7	1 17	0 4	2 25	18 42	0 39	22 17	1 10	2 33	15 54	12 52	12 17	14 47	6 53	0 57
W21	23 21	9 40	0s40	24 37	2 7	17 3	2 0	13 55	0 54	8 8	1 17	0 4	2 25	18 41	0 39	22 17	1 10	2 33	15 55	12 52	12 18	14 44	6 53	0 57
T 22	23 17	4 17	1 42	24 23	2 6	16 50	2 15	14 7	0 53	8 8	1 17	0 5	2 26	18 40	0 39	22 17	1 10	2 33	15 55	12 52	12 19	14 41	6 53	0 57
F 23	23 13	1s18	2 40	24 8	2 5	16 37	2 29	14 19	0 53	8 8	1 17	0 5	2 26	18 39	0 39	22 17	1 10	2 33	15 56	12 51	12 20	14 38	6 53	0 57
S 24	23 9	6 54	3 32	23 51	2 3	16 25	2 44	14 32	0 53	8 9	1 18	0 6	2 26	18 38	0 39	22 16	1 10	2 33	15 56	12 51	12 21	14 35	6 53	0 57
S 25	23 4	12 23	4 16	23 32	2 1	16 12	2 59	14 44	0 52	8 9	1 18	0 6	2 26	18 37	0 39	22 16	1 10	2 33	15 57	12 51	12 22	14 32	6 53	0 57
M26	22 58	17 30	4 48	23 12	1 58	16 1	3 14	14 56	0 52	8 10	1 18	0 6	2 27	18 36	0 39	22 16	1 10	2 33	15 57	12 52	12 23	14 29	6 53	0 57
T 27	22 53	21 59	5 6	22 49	1 54	15 50	3 30	15 8	0 51	8 11	1 19	0 6	2 27	18 36	0 39	22 16	1 10	2 33	15 58	12 54	12 24	14 26	6 53	0 56
W28	22 46	25 28	5 9	22 26	1 50	15 39	3 45	15 19	0 51	8 12	1 19	0 7	2 27	18 35	0 39	22 16	1 10	2 33	15 58	12 56	12 25	14 23	6 53	0 56
T 29	22 40	27 32	4 53	22 1	1 45	15 29	4 0	15 31	0 50	8 12	1 19	0 7	2 28	18 34	0 39	22 16	1 10	2 34	15 59	12 58	12 27	14 20	6 53	0 56
F 30	22 32	27 51	4 18	21 34	1 39	15 19	4 16	15 43	0 50	8 13	1 19	0 7	2 28	18 33	0 39	22 16	1 10	2 34	15 59	13 0	12 28	14 17	6 53	0 56
S 31	22s25	26s11	3s26	21s 6	1s32	15s10	4n31	15s54	0n49	8n14	1n20	0s 7	2n28	18s32	0s38	22n16	1s10	2n34	15n59	13s 2	12s29	14n14	6n54	0n56

Julian Day Number = 2175763.5, Delta T = 11m55s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'38, Lahiri = 13°19'39 Julian Calendar 1 Dec. 1244 == Greg. Calendar 8 Dec. 1244

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

JANUARY 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 57	18♉20'44	29♉12	4♒25	2°R36	16♏36	12°R10	5♎59	9♒41	24°R46	2♏48	25°R32	27♒11	23♌13	15♈16	S 1
M 2	7 14 53	19°21'50	14♒12	5°57	2♒ 8	17°14	12♍ 8	5°59	9°44	24♊45	2°49	25♒30	27° 8	23°19	15°17	M 2
T 3	7 18 50	20°22'56	29° 6	7°26	1°37	17°52	12° 5	6° 0	9°47	24°43	2°50	25°D30	27° 5	23°26	15°18	T 3
W 4	7 22 46	21°24'01	13♓48	8°52	1° 5	18°30	12° 2	6° 0	9°51	24°42	2°50	25°31	27° 2	23°33	15°19	W 4
T 5	7 26 43	22°25'04	28°11	10°15	0°32	19° 8	12° 0	6° 1	9°54	24°40	2°51	25°32	26°59	23°39	15°20	T 5
F 6	7 30 40	23°26'06	12♈15	11°33	29♉57	19°46	11°56	6° 1	9°57	24°39	2°52	25°33	26°56	23°46	15°21	F 6
S 7	7 34 36	24°27'07	25°57	12°47	29°21	20°24	11°53	6°R 1	10° 1	24°38	2°53	25°R34	26°52	23°53	15°22	S 7
S 8	7 38 33	25°28'07	9♉21	13°55	28°45	21° 1	11°50	6° 1	10° 4	24°36	2°54	25°33	26°49	23°59	15°23	S 8
M 9	7 42 29	26°29'06	22°26	14°56	28° 8	21°39	11°46	6° 1	10° 8	24°35	2°54	25°31	26°46	24° 6	15°25	M 9
T 10	7 46 26	27°30'04	5♊15	15°51	27°30	22°17	11°42	6° 1	10°11	24°33	2°55	25°27	26°43	24°13	15°26	T 10
W11	7 50 22	28°31'00	17°50	16°37	26°53	22°55	11°38	6° 0	10°14	24°32	2°56	25°23	26°40	24°19	15°27	W11
T 12	7 54 19	29°31'56	0♋14	17°14	26°16	23°32	11°34	6° 0	10°18	24°31	2°56	25°18	26°37	24°26	15°29	T 12
F 13	7 58 15	0♒32'50	12°27	17°42	25°40	24°10	11°30	5°59	10°21	24°29	2°57	25°14	26°33	24°33	15°30	F 13
S 14	8 2 12	1°33'43	24°31	18° 0	25° 5	24°48	11°26	5°58	10°25	24°28	2°57	25°10	26°30	24°39	15°32	S 14
S 15	8 6 9	2°34'34	6♌28	18°R 7	24°30	25°26	11°21	5°58	10°28	24°27	2°58	25° 8	26°27	24°46	15°33	S 15
M16	8 10 5	3°35'25	18°19	18° 3	23°57	26° 3	11°16	5°57	10°32	24°26	2°58	25° 6	26°24	24°53	15°35	M16
T 17	8 14 2	4°36'14	0♍ 7	17°47	23°25	26°41	11°11	5°56	10°35	24°24	2°59	25°D 6	26°21	24°59	15°36	T 17
W18	8 17 58	5°37'02	11°54	17°21	22°55	27°18	11° 6	5°55	10°39	24°23	2°59	25° 7	26°17	25° 6	15°38	W18
T 19	8 21 55	6°37'49	23°43	16°45	22°27	27°56	11° 1	5°54	10°42	24°22	2°59	25° 9	26°14	25°12	15°40	T 19
F 20	8 25 51	7°38'35	5♎38	15°59	22° 1	28°34	10°55	5°52	10°45	24°21	3° 0	25°10	26°11	25°19	15°42	F 20
S 21	8 29 48	8°39'20	17°43	15° 4	21°37	29°11	10°50	5°51	10°49	24°20	3° 0	25°12	26° 8	25°26	15°43	S 21
S 22	8 33 44	9°40'03	0♏ 2	14° 4	21°15	29°49	10°44	5°49	10°52	24°19	3° 0	25°13	26° 5	25°32	15°45	S 22
M23	8 37 41	10°40'46	12°40	12°58	20°56	0♐26	10°38	5°48	10°56	24°18	3° 0	25°R13	26° 2	25°39	15°47	M23
T 24	8 41 38	11°41'28	25°40	11°49	20°38	1° 4	10°32	5°46	10°59	24°16	3° 0	25°12	25°58	25°46	15°49	T 24
W25	8 45 34	12°42'08	9♐ 7	10°38	20°24	1°41	10°26	5°44	11° 3	24°15	3° 1	25°11	25°55	25°52	15°51	W25
T 26	8 49 31	13°42'47	23° 1	9°29	20°12	2°19	10°20	5°42	11° 6	24°14	3° 1	25°10	25°52	25°59	15°54	T 26
F 27	8 53 27	14°43'26	7♑22	8°22	20° 2	2°56	10°14	5°40	11°10	24°13	3° 1	25° 9	25°49	26° 6	15°56	F 27
S 28	8 57 24	15°44'02	22° 7	7°18	19°55	3°34	10° 7	5°38	11°13	24°13	3°R 1	25° 7	25°46	26°12	15°58	S 28
S 29	9 1 20	16°44'38	7♒10	6°20	19°50	4°11	10° 1	5°36	11°17	24°12	3° 1	25° 7	25°43	26°19	16° 0	S 29
M30	9 5 17	17°45'12	22°22	5°29	19°D48	4°48	9°54	5°34	11°20	24°11	3° 1	25°D 6	25°39	26°26	16° 2	M30
T 31	9 9 13	18♒45'44	7♓33	4♒43	19♑48	5♐26	9♍47	5♎32	11♒24	24♊10	3♏ 1	25♒ 6	25♒36	26♌32	16♈ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s17	22s40	2s18	20s37	1s25	15s 1	4n46	16s 5	0n49	8n15	1n20	0s 7	2n28	18s31	0s38	22n16	1s10	2n34	16n 0	13s 4	12s30	14n10	6n54	0n56
M 2	22 8	17 37	1 1	20 6	1 17	14 53	5 0	16 17	0 48	8 17	1 20	0 7	2 29	18 30	0 38	22 16	1 10	2 34	16 0	13 4	12 31	14 7	6 54	0 56
T 3	21 59	11 32	0n20	19 35	1 8	14 46	5 15	16 28	0 48	8 18	1 21	0 7	2 29	18 29	0 38	22 16	1 10	2 34	16 1	13 5	12 32	14 4	6 54	0 55
W 4	21 50	4 53	1 38	19 3	0 58	14 39	5 29	16 39	0 47	8 19	1 21	0 7	2 29	18 28	0 38	22 16	1 10	2 34	16 1	13 4	12 33	14 1	6 54	0 55
T 5	21 40	1n52	2 49	18 30	0 47	14 33	5 42	16 50	0 47	8 20	1 21	0 7	2 30	18 28	0 38	22 16	1 10	2 35	16 2	13 4	12 34	13 58	6 55	0 55
F 6	21 30	8 21	3 48	17 57	0 35	14 27	5 56	17 0	0 46	8 22	1 21	0 6	2 30	18 27	0 38	22 16	1 10	2 35	16 2	13 3	12 35	13 55	6 55	0 55
S 7	21 19	14 18	4 33	17 25	0 23	14 22	6 8	17 11	0 46	8 23	1 22	0 6	2 30	18 26	0 38	22 16	1 10	2 35	16 3	13 3	12 36	13 52	6 55	0 55
S 8	21 8	19 25	5 1	16 52	0 9	14 18	6 20	17 22	0 45	8 25	1 22	0 6	2 30	18 25	0 38	22 16	1 10	2 35	16 3	13 3	12 37	13 49	6 56	0 55
M 9	20 57	23 29	5 13	16 20	0n 5	14 14	6 31	17 32	0 45	8 27	1 22	0 6	2 31	18 24	0 38	22 16	1 10	2 36	16 4	13 4	12 39	13 46	6 56	0 55
T 10	20 45	26 20	5 9	15 50	0 21	14 11	6 41	17 42	0 44	8 28	1 22	0 5	2 31	18 23	0 38	22 16	1 10	2 36	16 4	13 5	12 40	13 43	6 56	0 55
W11	20 33	27 47	4 50	15 21	0 36	14 8	6 51	17 52	0 44	8 30	1 23	0 5	2 31	18 22	0 38	22 16	1 10	2 36	16 5	13 7	12 41	13 40	6 57	0 54
T 12	20 20	27 50	4 17	14 53	0 53	14 7	7 0	18 2	0 43	8 32	1 23	0 4	2 32	18 21	0 38	22 16	1 10	2 36	16 6	13 8	12 42	13 37	6 57	0 54
F 13	20 7	26 30	3 34	14 29	1 10	14 5	7 8	18 12	0 43	8 34	1 23	0 4	2 32	18 20	0 38	22 16	1 10	2 37	16 6	13 10	12 43	13 34	6 58	0 54
S 14	19 54	23 57	2 41	14 7	1 28	14 4	7 15	18 22	0 42	8 36	1 23	0 3	2 32	18 19	0 38	22 16	1 10	2 37	16 7	13 11	12 44	13 31	6 58	0 54
S 15	19 40	20 22	1 41	13 48	1 45	14 4	7 21	18 32	0 41	8 38	1 24	0 3	2 32	18 18	0 38	22 16	1 10	2 37	16 7	13 12	12 45	13 28	6 59	0 54
M16	19 26	16 0	0 37	13 33	2 2	14 5	7 26	18 41	0 41	8 40	1 24	0 2	2 33	18 17	0 38	22 16	1 10	2 38	16 8	13 12	12 46	13 25	6 59	0 54
T 17	19 12	11 3	0s28	13 21	2 19	14 5	7 31	18 51	0 40	8 42	1 24	0 2	2 33	18 16	0 38	22 16	1 10	2 38	16 8	13 12	12 47	13 22	7 0	0 54
W18	18 57	5 43	1 32	13 14	2 36	14 7	7 34	19 0	0 39	8 44	1 24	0 1	2 33	18 15	0 38	22 16	1 9	2 38	16 9	13 12	12 48	13 19	7 0	0 54
T 19	18 42	0 11	2 32	13 10	2 51	14 8	7 37	19 9	0 39	8 46	1 25	0 0	2 33	18 14	0 38	22 16	1 9	2 39	16 9	13 12	12 49	13 16	7 1	0 53
F 20	18 26	5s24	3 26	13 11	3 4	14 11	7 39	19 18	0 38	8 49	1 25	0n 1	2 34	18 14	0 38	22 16	1 9	2 39	16 10	13 11	12 50	13 13	7 1	0 53
S 21	18 10	10 51	4 12	13 15	3 17	14 13	7 40	19 27	0 37	8 51	1 25	0 1	2 34	18 13	0 38	22 16	1 9	2 40	16 10	13 11	12 52	13 9	7 2	0 53
S 22	17 54	16 0	4 47	13 23	3 27	14 16	7 40	19 36	0 37	8 53	1 25	0 2	2 34	18 12	0 38	22 16	1 9	2 40	16 11	13 10	12 53	13 6	7 3	0 53
M23	17 38	20 37	5 10	13 34	3 35	14 19	7 40	19 44	0 36	8 56	1 26	0 3	2 35	18 11	0 38	22 16	1 9	2 40	16 11	13 10	12 54	13 3	7 3	0 53
T 24	17 21	24 23	5 17	13 47	3 40	14 23	7 39	19 53	0 35	8 58	1 26	0 4	2 35	18 10	0 38	22 16	1 9	2 41	16 12	13 10	12 55	13 0	7 4	0 53
W25	17 4	26 59	5 8	14 3	3 44	14 27	7 37	20 1	0 35	9 1	1 26	0 5	2 35	18 9	0 38	22 16	1 9	2 41	16 12	13 11	12 56	12 57	7 5	0 53
T 26	16 47	28 1	4 41	14 21	3 44	14 31	7 35	20 9	0 34	9 3	1 26	0 6	2 35	18 8	0 38	22 16	1 9	2 42	16 13	13 11	12 57	12 54	7 5	0 53
F 27	16 29	27 15	3 55	14 40	3 43	14 35	7 32	20 17	0 33	9 6	1 26	0 7	2 36	18 7	0 38	22 16	1 9	2 42	16 13	13 12	12 58	12 51	7 6	0 53
S 28	16 11	24 34	2 53	14 59	3 40	14 40	7 28	20 25	0 33	9 8	1 27	0 8	2 36	18 6	0 38	22 16	1 9	2 43	16 14	13 12	12 59	12 48	7 7	0 52
S 29	15 53	20 8	1 38	15 19	3 34	14 44	7 24	20 33	0 32	9 11	1 27	0 9	2 36	18 5	0 38	22 16	1 9	2 43	16 14	13 12	13 0	12 45	7 7	0 52
M30	15 35	14 21	0 15	15 38	3 27	14 49	7 20	20 41	0 31	9 14	1 27	0 10	2 36	18 4	0 38	22 16	1 9	2 44	16 15	13 12	13 1	12 42	7 8	0 52
T 31	15s16	7s43	1n 9	15s57	3n18	14s54	7n15	20s48	0n30	9n17	1n27	0n11	2n37	18s 3	0s38	22n16	1s 9	2n44	16n15	13s12	13s 2	12n39	7n 9	0n52

Julian Day Number = 2175794.5, Delta T = 11m55s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'42, Lahiri = 13°19'43 Julian Calendar 1 Jan. 1245 == Greg. Calendar 8 Jan. 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

FEBRUARY 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 13 10	19♒46'14	22♓34	4°R 6	19♉51	6♐ 3	9°R40	5°R29	11♒27	24°R 9	3°R 0	25♒ 7	25♒33	26♌39	16♈ 7	W 1
T 2	9 17 7	20°46'43	7♈18	3♒35	19°55	6°40	9♍33	5♎27	11°31	24♊ 8	3♏ 0	25° 7	25°30	26°45	16°10	T 2
F 3	9 21 3	21°47'09	21°39	3°13	20° 3	7°17	9°26	5°24	11°34	24° 8	3° 0	25° 8	25°27	26°52	16°12	F 3
S 4	9 25 0	22°47'34	5♉34	2°57	20°12	7°55	9°19	5°21	11°38	24° 7	3° 0	25° 8	25°23	26°59	16°15	S 4
S 5	9 28 56	23°47'57	19° 3	2°49	20°24	8°32	9°12	5°18	11°41	24° 6	3° 0	25°R 8	25°20	27° 5	16°17	S 5
M 6	9 32 53	24°48'17	2♊ 8	2°D48	20°37	9° 9	9° 4	5°15	11°44	24° 5	2°59	25°D 8	25°17	27°12	16°20	M 6
T 7	9 36 49	25°48'36	14°52	2°54	20°53	9°46	8°57	5°12	11°48	24° 5	2°59	25° 8	25°14	27°19	16°22	T 7
W 8	9 40 46	26°48'53	27°18	3° 5	21°11	10°23	8°49	5° 9	11°51	24° 4	2°59	25° 8	25°11	27°25	16°25	W 8
T 9	9 44 42	27°49'08	9♋30	3°23	21°31	11° 0	8°42	5° 6	11°55	24° 4	2°58	25° 8	25° 8	27°32	16°28	T 9
F 10	9 48 39	28°49'20	21°31	3°46	21°52	11°37	8°34	5° 3	11°58	24° 3	2°58	25° 9	25° 4	27°39	16°30	F 10
S 11	9 52 36	29°49'31	3♌25	4°14	22°16	12°14	8°27	5° 0	12° 1	24° 3	2°57	25° 9	25° 1	27°45	16°33	S 11
S 12	9 56 32	0♓49'40	15°15	4°47	22°41	12°51	8°19	4°56	12° 5	24° 2	2°57	25° 9	24°58	27°52	16°36	S 12
M13	10 0 29	1°49'46	27° 3	5°24	23° 8	13°27	8°11	4°53	12° 8	24° 2	2°56	25°R10	24°55	27°59	16°39	M13
T 14	10 4 25	2°49'51	8♍51	6° 6	23°36	14° 4	8° 3	4°49	12°11	24° 1	2°56	25° 9	24°52	28° 5	16°42	T 14
W15	10 8 22	3°49'54	20°41	6°51	24° 6	14°41	7°56	4°46	12°15	24° 1	2°55	25° 9	24°49	28°12	16°45	W15
T 16	10 12 18	4°49'55	2♎36	7°40	24°38	15°18	7°48	4°42	12°18	24° 1	2°54	25° 7	24°45	28°19	16°48	T 16
F 17	10 16 15	5°49'54	14°38	8°32	25°11	15°55	7°40	4°39	12°21	24° 0	2°54	25° 6	24°42	28°25	16°51	F 17
S 18	10 20 11	6°49'52	26°50	9°27	25°45	16°31	7°32	4°35	12°24	24° 0	2°53	25° 4	24°39	28°32	16°54	S 18
S 19	10 24 8	7°49'48	9♏13	10°25	26°21	17° 8	7°24	4°31	12°28	24° 0	2°52	25° 3	24°36	28°38	16°57	S 19
M20	10 28 5	8°49'42	21°52	11°26	26°58	17°44	7°17	4°27	12°31	23°59	2°51	25° 1	24°33	28°45	17° 0	M20
T 21	10 32 1	9°49'34	4♐50	12°29	27°36	18°21	7° 9	4°23	12°34	23°59	2°51	25°D 1	24°29	28°52	17° 3	T 21
W22	10 35 58	10°49'25	18° 8	13°35	28°16	18°57	7° 1	4°19	12°37	23°59	2°50	25° 1	24°26	28°58	17° 6	W22
T 23	10 39 54	11°49'14	1♑51	14°43	28°56	19°34	6°53	4°15	12°40	23°59	2°49	25° 2	24°23	29° 5	17° 9	T 23
F 24	10 43 51	12°49'02	15°57	15°53	29°38	20°10	6°45	4°11	12°44	23°59	2°48	25° 3	24°20	29°12	17°13	F 24
S 25	10 47 47	13°48'48	0♒27	17° 5	0♒21	20°46	6°38	4° 7	12°47	23°59	2°47	25° 4	24°17	29°18	17°16	S 25
S 26	10 51 44	14°48'31	15°18	18°19	1° 4	21°23	6°30	4° 2	12°50	23°D59	2°46	25° 5	24°14	29°25	17°19	S 26
M27	10 55 40	15°48'13	0♓22	19°35	1°49	21°59	6°22	3°58	12°53	23°59	2°45	25°R 5	24°10	29°32	17°23	M27
T 28	10 59 37	16♓47'53	15♓32	20♒53	2♒35	22♐35	6♍15	3♎54	12♒56	23♊59	2♏44	25♒ 4	24♒ 7	29♌38	17♈26	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s57	0s43	2n27	16s16	3n 8	14s59	7n10	20s55	0n29	9n19	1n27	0n13	2n37	18s 2	0s38	22n16	1s 9	2n45	16n16	13s12	13s 3	12n35	7n10	0n52
T 2	14 38	6n11	3 34	16 33	2 57	15 4	7 4	21 3	0 29	9 22	1 27	0 14	2 37	18 1	0 39	22 16	1 9	2 45	16 16	13 12	13 5	12 32	7 11	0 52
F 3	14 18	12 34	4 25	16 50	2 46	15 8	6 58	21 10	0 28	9 25	1 28	0 15	2 37	18 0	0 39	22 16	1 9	2 46	16 17	13 12	13 6	12 29	7 12	0 52
S 4	13 59	18 8	5 0	17 5	2 34	15 13	6 52	21 16	0 27	9 28	1 28	0 16	2 37	17 59	0 39	22 16	1 9	2 46	16 17	13 12	13 7	12 26	7 12	0 52
S 5	13 39	22 37	5 16	17 19	2 21	15 18	6 45	21 23	0 26	9 31	1 28	0 18	2 38	17 58	0 39	22 16	1 9	2 47	16 18	13 12	13 8	12 23	7 13	0 52
M 6	13 18	25 50	5 16	17 32	2 8	15 23	6 39	21 30	0 25	9 34	1 28	0 19	2 38	17 57	0 39	22 16	1 9	2 47	16 18	13 12	13 9	12 20	7 14	0 51
T 7	12 58	27 38	4 59	17 44	1 55	15 27	6 32	21 36	0 25	9 37	1 28	0 20	2 38	17 56	0 39	22 16	1 9	2 48	16 19	13 12	13 10	12 17	7 15	0 51
W 8	12 38	28 0	4 29	17 54	1 42	15 32	6 25	21 42	0 24	9 40	1 28	0 22	2 38	17 55	0 39	22 16	1 9	2 49	16 19	13 12	13 11	12 14	7 16	0 51
T 9	12 17	26 59	3 48	18 2	1 29	15 36	6 17	21 49	0 23	9 43	1 28	0 23	2 39	17 54	0 39	22 16	1 9	2 49	16 20	13 12	13 12	12 11	7 17	0 51
F 10	11 56	24 43	2 56	18 9	1 16	15 40	6 10	21 55	0 22	9 45	1 29	0 25	2 39	17 54	0 39	22 16	1 9	2 50	16 20	13 12	13 13	12 7	7 18	0 51
S 11	11 35	21 23	1 58	18 15	1 4	15 44	6 2	22 0	0 21	9 48	1 29	0 26	2 39	17 53	0 39	22 16	1 8	2 50	16 21	13 11	13 14	12 4	7 19	0 51
S 12	11 14	17 12	0 55	18 19	0 51	15 48	5 54	22 6	0 20	9 51	1 29	0 28	2 39	17 52	0 39	22 16	1 8	2 51	16 21	13 11	13 15	12 1	7 20	0 51
M13	10 52	12 23	0s10	18 22	0 39	15 51	5 46	22 12	0 19	9 54	1 29	0 29	2 39	17 51	0 39	22 16	1 8	2 52	16 22	13 11	13 16	11 58	7 21	0 51
T 14	10 30	7 7	1 15	18 23	0 27	15 54	5 39	22 17	0 18	9 57	1 29	0 31	2 40	17 50	0 39	22 16	1 8	2 52	16 22	13 11	13 17	11 55	7 22	0 51
W15	10 9	1 36	2 17	18 23	0 16	15 57	5 31	22 22	0 17	10 0	1 29	0 33	2 40	17 49	0 39	22 16	1 8	2 53	16 22	13 12	13 18	11 52	7 23	0 50
T 16	9 47	4s 0	3 13	18 21	0 5	16 0	5 23	22 27	0 16	10 3	1 29	0 34	2 40	17 48	0 39	22 16	1 8	2 53	16 23	13 12	13 19	11 49	7 24	0 50
F 17	9 25	9 30	4 1	18 18	0s 6	16 2	5 14	22 32	0 15	10 6	1 29	0 36	2 40	17 47	0 39	22 16	1 8	2 54	16 23	13 13	13 21	11 46	7 25	0 50
S 18	9 2	14 43	4 39	18 14	0 16	16 4	5 6	22 37	0 14	10 9	1 29	0 37	2 40	17 46	0 39	22 16	1 8	2 55	16 24	13 13	13 22	11 42	7 26	0 50
S 19	8 40	19 26	5 5	18 8	0 26	16 5	4 58	22 42	0 13	10 12	1 29	0 39	2 40	17 45	0 39	22 16	1 8	2 55	16 24	13 14	13 23	11 39	7 27	0 50
M20	8 18	23 24	5 16	18 0	0 36	16 6	4 50	22 46	0 12	10 15	1 29	0 41	2 41	17 44	0 39	22 16	1 8	2 56	16 25	13 14	13 24	11 36	7 28	0 50
T 21	7 55	26 18	5 12	17 51	0 45	16 7	4 42	22 51	0 11	10 18	1 29	0 43	2 41	17 44	0 39	22 16	1 8	2 57	16 25	13 14	13 25	11 33	7 30	0 50
W22	7 32	27 51	4 51	17 41	0 54	16 8	4 34	22 55	0 10	10 21	1 30	0 44	2 41	17 43	0 39	22 16	1 8	2 57	16 25	13 14	13 26	11 30	7 31	0 50
T 23	7 9	27 45	4 14	17 29	1 3	16 7	4 26	22 59	0 9	10 24	1 30	0 46	2 41	17 42	0 39	22 16	1 8	2 58	16 26	13 14	13 27	11 27	7 32	0 50
F 24	6 47	25 53	3 20	17 16	1 11	16 7	4 17	23 3	0 8	10 27	1 30	0 48	2 41	17 41	0 39	22 16	1 8	2 59	16 26	13 14	13 28	11 24	7 33	0 50
S 25	6 24	22 17	2 12	17 1	1 18	16 6	4 9	23 6	0 7	10 30	1 30	0 50	2 41	17 40	0 39	22 16	1 8	2 59	16 27	13 13	13 29	11 20	7 34	0 49
S 26	6 0	17 11	0 54	16 45	1 25	16 5	4 1	23 10	0 5	10 33	1 30	0 51	2 42	17 39	0 39	22 16	1 8	3 0	16 27	13 13	13 30	11 17	7 35	0 49
M27	5 37	10 56	0n29	16 28	1 32	16 3	3 53	23 13	0 4	10 36	1 30	0 53	2 42	17 38	0 39	22 16	1 8	3 1	16 27	13 13	13 31	11 14	7 36	0 49
T 28	5s14	4s 1	1n51	16s 9	1s38	16s 1	3n45	23s17	0n 3	10n39	1n30	0n55	2n42	17s37	0s39	22n16	1s 8	3n 1	16n28	13s13	13s32	11n11	7n38	0n49

Julian Day Number = 2175825.5, Delta T = 11m55s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'47, Lahiri = 13°19'47 Julian Calendar 1 Feb. 1245 == Greg. Calendar 8 Feb. 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

MARCH 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 3 34	17♓47'31	0♈39	22♒13	3♒21	23♐11	6°R 7	3°R50	12♒59	23♊59	2°R43	25°R 2	24♒ 4	29♌45	17♈29	W 1
T 2	11 7 30	18°47'07	15°33	23°34	4° 8	23°47	6♍ 0	3♎45	13° 2	23°59	2♏42	24♒59	24° 1	29°52	17°33	T 2
F 3	11 11 27	19°46'40	0♉ 6	24°57	4°57	24°23	5°52	3°41	13° 5	23°59	2°41	24°56	23°58	29°58	17°36	F 3
S 4	11 15 23	20°46'12	14°14	26°21	5°46	24°59	5°45	3°36	13° 8	24° 0	2°40	24°52	23°55	0♍ 5	17°39	S 4
S 5	11 19 20	21°45'41	27°53	27°47	6°35	25°35	5°37	3°32	13°11	24° 0	2°39	24°49	23°51	0°11	17°43	S 5
M 6	11 23 16	22°45'07	11♊ 5	29°15	7°26	26°11	5°30	3°27	13°14	24° 0	2°38	24°47	23°48	0°18	17°46	M 6
T 7	11 27 13	23°44'32	23°51	0♓43	8°17	26°46	5°23	3°23	13°16	24° 0	2°36	24°D47	23°45	0°25	17°50	T 7
W 8	11 31 9	24°43'54	6♋16	2°14	9° 8	27°22	5°16	3°18	13°19	24° 1	2°35	24°47	23°42	0°31	17°53	W 8
T 9	11 35 6	25°43'14	18°25	3°45	10° 1	27°57	5° 9	3°14	13°22	24° 1	2°34	24°49	23°39	0°38	17°57	T 9
F 10	11 39 3	26°42'31	0♌22	5°19	10°54	28°33	5° 2	3° 9	13°25	24° 2	2°33	24°51	23°35	0°45	18° 0	F 10
S 11	11 42 59	27°41'46	12°11	6°53	11°47	29° 8	4°55	3° 5	13°27	24° 2	2°31	24°52	23°32	0°51	18° 4	S 11
S 12	11 46 56	28°40'59	23°58	8°29	12°42	29°43	4°49	3° 0	13°30	24° 2	2°30	24°R53	23°29	0°58	18° 8	S 12
M13	11 50 52	29°40'09	5♍45	10° 7	13°36	0♑19	4°42	2°55	13°33	24° 3	2°29	24°52	23°26	1° 5	18°11	M13
T 14	11 54 49	0♈39'17	17°36	11°46	14°32	0°54	4°36	2°51	13°35	24° 3	2°27	24°50	23°23	1°11	18°15	T 14
W15	11 58 45	1°38'23	29°33	13°26	15°27	1°29	4°29	2°46	13°38	24° 4	2°26	24°46	23°20	1°18	18°18	W15
T 16	12 2 42	2°37'27	11♎38	15° 8	16°24	2° 4	4°23	2°41	13°41	24° 5	2°25	24°40	23°16	1°25	18°22	T 16
F 17	12 6 38	3°36'29	23°52	16°51	17°20	2°39	4°17	2°37	13°43	24° 5	2°23	24°33	23°13	1°31	18°26	F 17
S 18	12 10 35	4°35'29	6♏17	18°35	18°18	3°14	4°11	2°32	13°46	24° 6	2°22	24°26	23°10	1°38	18°29	S 18
S 19	12 14 31	5°34'27	18°53	20°21	19°15	3°48	4° 5	2°27	13°48	24° 7	2°20	24°19	23° 7	1°45	18°33	S 19
M20	12 18 28	6°33'24	1♐42	22° 9	20°13	4°23	4° 0	2°23	13°51	24° 7	2°19	24°13	23° 4	1°51	18°37	M20
T 21	12 22 25	7°32'18	14°46	23°58	21°12	4°58	3°54	2°18	13°53	24° 8	2°17	24° 9	23° 0	1°58	18°41	T 21
W22	12 26 21	8°31'11	28° 5	25°48	22°11	5°32	3°49	2°14	13°55	24° 9	2°16	24° 7	22°57	2° 4	18°44	W22
T 23	12 30 18	9°30'02	11♑41	27°40	23°10	6° 7	3°44	2° 9	13°58	24°10	2°14	24°D 6	22°54	2°11	18°48	T 23
F 24	12 34 14	10°28'51	25°36	29°34	24°10	6°41	3°39	2° 4	14° 0	24°11	2°13	24° 7	22°51	2°18	18°52	F 24
S 25	12 38 11	11°27'39	9♒49	1♈29	25°10	7°15	3°34	2° 0	14° 2	24°11	2°11	24° 8	22°48	2°24	18°55	S 25
S 26	12 42 7	12°26'25	24°20	3°25	26°10	7°49	3°29	1°55	14° 4	24°12	2°10	24°R 9	22°45	2°31	18°59	S 26
M27	12 46 4	13°25'09	9♓ 4	5°23	27°11	8°23	3°24	1°51	14° 7	24°13	2° 8	24° 8	22°41	2°38	19° 3	M27
T 28	12 50 0	14°23'51	23°57	7°22	28°12	8°57	3°20	1°46	14° 9	24°14	2° 7	24° 5	22°38	2°44	19° 7	T 28
W29	12 53 57	15°22'31	8♈52	9°23	29°13	9°31	3°15	1°42	14°11	24°15	2° 5	23°59	22°35	2°51	19°10	W29
T 30	12 57 54	16°21'09	23°39	11°25	0♓15	10° 4	3°11	1°38	14°13	24°16	2° 3	23°52	22°32	2°58	19°14	T 30
F 31	13 1 50	17♈19'46	8♉11	13♈29	1♓17	10♑38	3♍ 7	1♎33	14♒15	24♊17	2♏ 2	23♒44	22♒29	3♍ 4	19♈18	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s51	3n 4	3n 4	15s48	1s44	15s58	3n37	23s20	0n 2	10n42	1n30	0n57	2n42	17s37	0s39	22n17	1s 8	3n 2	16n28	13s14	13s33	11n 8	7n39	0n49
T 2	4 27	9 53	4 3	15 27	1 50	15 55	3 29	23 23	0 1	10 44	1 30	0 59	2 42	17 36	0 39	22 17	1 8	3 3	16 29	13 15	13 34	11 5	7 40	0 49
F 3	4 4	16 0	4 46	15 4	1 55	15 51	3 21	23 26	0s 0	10 47	1 30	1 1	2 42	17 35	0 39	22 17	1 8	3 3	16 29	13 16	13 35	11 1	7 41	0 49
S 4	3 40	21 5	5 9	14 39	1 59	15 47	3 14	23 28	0 2	10 50	1 30	1 2	2 42	17 34	0 39	22 17	1 8	3 4	16 29	13 17	13 36	10 58	7 43	0 49
S 5	3 17	24 52	5 14	14 13	2 4	15 42	3 6	23 31	0 3	10 52	1 30	1 4	2 42	17 33	0 39	22 17	1 7	3 5	16 30	13 18	13 37	10 55	7 44	0 49
M 6	2 53	27 11	5 2	13 46	2 7	15 37	2 58	23 33	0 4	10 55	1 30	1 6	2 42	17 33	0 39	22 17	1 7	3 5	16 30	13 19	13 39	10 52	7 45	0 49
T 7	2 30	27 59	4 35	13 18	2 11	15 32	2 51	23 36	0 6	10 58	1 30	1 8	2 42	17 32	0 39	22 17	1 7	3 6	16 30	13 19	13 40	10 49	7 46	0 48
W 8	2 6	27 19	3 56	12 48	2 13	15 25	2 43	23 38	0 7	11 0	1 29	1 10	2 43	17 31	0 39	22 17	1 7	3 7	16 31	13 19	13 41	10 46	7 48	0 48
T 9	1 42	25 21	3 7	12 17	2 16	15 19	2 35	23 40	0 8	11 3	1 29	1 12	2 43	17 30	0 39	22 17	1 7	3 8	16 31	13 18	13 42	10 42	7 49	0 48
F 10	1 19	22 17	2 10	11 44	2 18	15 12	2 28	23 41	0 10	11 5	1 29	1 14	2 43	17 29	0 39	22 17	1 7	3 8	16 31	13 18	13 43	10 39	7 50	0 48
S 11	0 55	18 19	1 9	11 10	2 19	15 4	2 21	23 43	0 11	11 8	1 29	1 16	2 43	17 29	0 39	22 17	1 7	3 9	16 32	13 17	13 44	10 36	7 51	0 48
S 12	0 32	13 40	0 5	10 35	2 20	14 56	2 13	23 45	0 12	11 10	1 29	1 17	2 43	17 28	0 39	22 17	1 7	3 10	16 32	13 17	13 45	10 33	7 53	0 48
M13	0 8	8 31	0s59	9 59	2 21	14 48	2 6	23 46	0 14	11 12	1 29	1 19	2 43	17 27	0 39	22 17	1 7	3 10	16 32	13 17	13 46	10 30	7 54	0 48
T 14	0n16	3 4	2 1	9 21	2 21	14 39	1 59	23 47	0 15	11 15	1 29	1 21	2 43	17 26	0 39	22 17	1 7	3 11	16 32	13 18	13 47	10 27	7 55	0 48
W15	0 39	2s32	2 58	8 42	2 20	14 29	1 52	23 49	0 17	11 17	1 29	1 23	2 43	17 26	0 39	22 17	1 7	3 12	16 33	13 19	13 48	10 23	7 57	0 48
T 16	1 3	8 6	3 47	8 2	2 20	14 19	1 45	23 50	0 18	11 19	1 29	1 25	2 43	17 25	0 39	22 18	1 7	3 12	16 33	13 21	13 49	10 20	7 58	0 48
F 17	1 26	13 25	4 27	7 20	2 18	14 9	1 38	23 50	0 20	11 21	1 29	1 27	2 43	17 24	0 39	22 18	1 7	3 13	16 33	13 23	13 50	10 17	7 59	0 48
S 18	1 50	18 17	4 54	6 37	2 16	13 58	1 31	23 51	0 21	11 23	1 29	1 29	2 43	17 24	0 39	22 18	1 7	3 14	16 33	13 26	13 51	10 14	8 1	0 48
S 19	2 13	22 27	5 8	5 53	2 14	13 46	1 25	23 52	0 23	11 25	1 29	1 31	2 43	17 23	0 39	22 18	1 7	3 14	16 34	13 28	13 52	10 11	8 2	0 47
M20	2 37	25 36	5 7	5 8	2 11	13 34	1 18	23 52	0 24	11 27	1 28	1 32	2 43	17 22	0 39	22 18	1 7	3 15	16 34	13 30	13 53	10 7	8 3	0 47
T 21	3 0	27 28	4 50	4 21	2 7	13 22	1 11	23 53	0 26	11 29	1 28	1 34	2 43	17 22	0 39	22 18	1 7	3 16	16 34	13 32	13 54	10 4	8 5	0 47
W22	3 24	27 49	4 17	3 34	2 3	13 9	1 5	23 53	0 28	11 31	1 28	1 36	2 43	17 21	0 39	22 18	1 7	3 17	16 34	13 32	13 55	10 1	8 6	0 47
T 23	3 47	26 30	3 29	2 45	1 59	12 56	0 59	23 53	0 29	11 33	1 28	1 38	2 43	17 20	0 40	22 18	1 7	3 17	16 34	13 33	13 56	9 58	8 7	0 47
F 24	4 10	23 32	2 28	1 55	1 54	12 42	0 53	23 53	0 31	11 35	1 28	1 40	2 43	17 20	0 40	22 18	1 7	3 18	16 35	13 32	13 57	9 55	8 9	0 47
S 25	4 33	19 6	1 17	1 4	1 49	12 28	0 46	23 53	0 33	11 36	1 28	1 42	2 43	17 19	0 40	22 18	1 7	3 19	16 35	13 32	13 58	9 51	8 10	0 47
S 26	4 56	13 27	0n 1	0 12	1 42	12 13	0 40	23 53	0 34	11 38	1 28	1 43	2 43	17 18	0 40	22 18	1 6	3 19	16 35	13 32	13 59	9 48	8 11	0 47
M27	5 19	6 58	1 20	0n41	1 36	11 58	0 34	23 52	0 36	11 40	1 28	1 45	2 43	17 18	0 40	22 18	1 6	3 20	16 35	13 32	14 1	9 45	8 13	0 47
T 28	5 42	0 4	2 34	1 35	1 29	11 42	0 29	23 52	0 38	11 41	1 27	1 47	2 43	17 17	0 40	22 18	1 6	3 20	16 35	13 33	14 2	9 42	8 14	0 47
W29	6 5	6n51	3 37	2 29	1 21	11 26	0 23	23 51	0 40	11 43	1 27	1 49	2 43	17 17	0 40	22 19	1 6	3 21	16 35	13 35	14 3	9 39	8 15	0 47
T 30	6 27	13 19	4 25	3 25	1 13	11 10	0 17	23 51	0 41	11 44	1 27	1 50	2 43	17 16	0 40	22 19	1 6	3 22	16 36	13 37	14 4	9 35	8 17	0 47
F 31	6n50	18n56	4n55	4n21	1s 5	10s53	0n12	23s50	0s43	11n45	1n27	1n52	2n43	17s15	0s40	22n19	1s 6	3n22	16n36	13s40	14s 5	9n32	8n18	0n47

Julian Day Number = 2175853.5, Delta T = 11m55s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'51, Lahiri = 13°19'51 Julian Calendar 1 March 1245 == Greg. Calendar 8 March 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

APRIL 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 5 47	18♈18'20	22♉20	15♈33	2♓19	11♑11	3°R 3	1°R29	14♒17	24♊19	2°R 0	23°R35	22♒26	3♍11	19♈22	S 1
S 2	13 9 43	19°16'52	6♊ 4	17°39	3°22	11°44	3♍ 0	1♎24	14°19	24°20	1♏59	23♒27	22°22	3°18	19°26	S 2
M 3	13 13 40	20°15'22	19°21	19°45	4°24	12°17	2°56	1°20	14°21	24°21	1°57	23°21	22°19	3°24	19°29	M 3
T 4	13 17 36	21°13'50	2♋11	21°53	5°27	12°50	2°53	1°16	14°23	24°22	1°55	23°17	22°16	3°31	19°33	T 4
W 5	13 21 33	22°12'16	14°39	24° 1	6°31	13°23	2°50	1°12	14°24	24°23	1°54	23°15	22°13	3°38	19°37	W 5
T 6	13 25 29	23°10'40	26°49	26° 9	7°34	13°55	2°47	1° 8	14°26	24°25	1°52	23°D15	22°10	3°44	19°41	T 6
F 7	13 29 26	24° 9'01	8♌46	28°17	8°38	14°28	2°44	1° 4	14°28	24°26	1°50	23°16	22° 6	3°51	19°44	F 7
S 8	13 33 23	25° 7'20	20°35	0♍26	9°42	15° 0	2°42	1° 0	14°29	24°27	1°49	23°R16	22° 3	3°57	19°48	S 8
S 9	13 37 19	26° 5'38	2♎22	2°34	10°46	15°32	2°39	0°56	14°31	24°28	1°47	23°16	22° 0	4° 4	19°52	S 9
M10	13 41 16	27° 3'53	14°11	4°41	11°50	16° 4	2°37	0°52	14°33	24°30	1°45	23°14	21°57	4°11	19°56	M10
T 11	13 45 12	28° 2'06	26° 7	6°47	12°55	16°36	2°35	0°48	14°34	24°31	1°44	23° 9	21°54	4°17	19°59	T 11
W12	13 49 9	29° 0'17	8♎12	8°52	13°59	17° 8	2°33	0°44	14°36	24°33	1°42	23° 2	21°51	4°24	20° 3	W12
T 13	13 53 5	29°58'26	20°28	10°55	15° 4	17°39	2°31	0°40	14°37	24°34	1°40	22°52	21°47	4°31	20° 7	T 13
F 14	13 57 2	0♍56'34	2♏57	12°57	16° 9	18°11	2°30	0°37	14°39	24°35	1°39	22°41	21°44	4°37	20°11	F 14
S 15	14 0 58	1°54'40	15°40	14°56	17°15	18°42	2°28	0°33	14°40	24°37	1°37	22°29	21°41	4°44	20°14	S 15
S 16	14 4 55	2°52'44	28°36	16°53	18°20	19°13	2°27	0°29	14°41	24°38	1°35	22°17	21°38	4°51	20°18	S 16
M17	14 8 52	3°50'47	11♐44	18°47	19°26	19°44	2°26	0°26	14°42	24°40	1°34	22° 7	21°35	4°57	20°22	M17
T 18	14 12 48	4°48'48	25° 3	20°38	20°32	20°14	2°26	0°22	14°44	24°42	1°32	22° 0	21°32	5° 4	20°25	T 18
W19	14 16 45	5°46'48	8♑33	22°26	21°38	20°45	2°25	0°19	14°45	24°43	1°30	21°54	21°28	5°11	20°29	W19
T 20	14 20 41	6°44'46	22°15	24°12	22°44	21°15	2°25	0°16	14°46	24°45	1°28	21°52	21°25	5°17	20°33	T 20
F 21	14 24 38	7°42'43	6♒ 8	25°53	23°50	21°45	2°24	0°13	14°47	24°46	1°27	21°D51	21°22	5°24	20°36	F 21
S 22	14 28 34	8°40'39	20°11	27°32	24°56	22°15	2°D24	0° 9	14°48	24°48	1°25	21°R51	21°19	5°31	20°40	S 22
S 23	14 32 31	9°38'33	4♓26	29° 7	26° 3	22°45	2°24	0° 6	14°49	24°50	1°23	21°51	21°16	5°37	20°44	S 23
M24	14 36 27	10°36'27	18°49	0♊38	27°10	23°14	2°25	0° 3	14°50	24°51	1°22	21°49	21°12	5°44	20°47	M24
T 25	14 40 24	11°34'18	3♈19	2° 6	28°17	23°43	2°25	0° 1	14°51	24°53	1°20	21°44	21° 9	5°50	20°51	T 25
W26	14 44 21	12°32'09	17°50	3°30	29°24	24°12	2°26	29♎58	14°52	24°55	1°18	21°37	21° 6	5°57	20°54	W26
T 27	14 48 17	13°29'58	2♉16	4°50	0♈31	24°40	2°27	29°55	14°52	24°57	1°17	21°27	21° 3	6° 4	20°58	T 27
F 28	14 52 14	14°27'46	16°32	6° 6	1°38	25° 9	2°28	29°52	14°53	24°58	1°15	21°16	21° 0	6°10	21° 2	F 28
S 29	14 56 10	15°25'33	0♊30	7°19	2°45	25°37	2°29	29°50	14°54	25° 0	1°14	21° 4	20°57	6°17	21° 5	S 29
S 30	15 0 7	16♉23'18	14♊ 7	8♊28	3♈53	26♑ 5	2♎31	29♎47	14♒55	25♊ 2	1♏12	20♒53	20♒53	6♍24	21♈ 9	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n12	23n21	5n 6	5n17	0s56	10s36	0n 6	23s49	0s45	11n47	1n27	1n54	2n43	17s15	0s40	22n19	1s 6	3n23	16n36	13s43	14s 6	9n29	8n20	0n46
S 2	7 35	26 19	4 59	6 14	0 47	10 18	0 1	23 48	0 47	11 48	1 27	1 55	2 43	17 14	0 40	22 19	1 6	3 24	16 36	13 45	14 7	9 26	8 21	0 46
M 3	7 57	27 41	4 36	7 11	0 37	10 0	0s 4	23 47	0 49	11 49	1 27	1 57	2 43	17 14	0 40	22 19	1 6	3 24	16 36	13 47	14 8	9 23	8 22	0 46
T 4	8 19	27 30	3 59	8 8	0 27	9 42	0 9	23 46	0 51	11 50	1 26	1 59	2 42	17 13	0 40	22 19	1 6	3 25	16 36	13 49	14 9	9 19	8 24	0 46
W 5	8 41	25 54	3 12	9 5	0 17	9 23	0 14	23 44	0 53	11 51	1 26	2 0	2 42	17 13	0 40	22 19	1 6	3 25	16 36	13 49	14 10	9 16	8 25	0 46
T 6	9 3	23 7	2 17	10 2	0 7	9 4	0 19	23 43	0 55	11 52	1 26	2 2	2 42	17 12	0 40	22 19	1 6	3 26	16 36	13 50	14 11	9 13	8 26	0 46
F 7	9 24	19 23	1 17	10 59	0n 4	8 44	0 24	23 42	0 57	11 53	1 26	2 3	2 42	17 12	0 40	22 19	1 6	3 27	16 36	13 49	14 12	9 10	8 28	0 46
S 8	9 46	14 55	0 14	11 54	0 15	8 25	0 29	23 40	0 59	11 53	1 26	2 5	2 42	17 11	0 40	22 19	1 6	3 27	16 36	13 49	14 13	9 6	8 29	0 46
S 9	10 7	9 55	0s48	12 49	0 26	8 4	0 33	23 39	1 1	11 54	1 26	2 6	2 42	17 11	0 40	22 20	1 6	3 28	16 36	13 49	14 14	9 3	8 30	0 46
M10	10 28	4 34	1 49	13 42	0 36	7 44	0 38	23 37	1 3	11 55	1 25	2 8	2 42	17 11	0 40	22 20	1 6	3 28	16 36	13 50	14 15	9 0	8 32	0 46
T 11	10 49	0s59	2 46	14 35	0 47	7 23	0 42	23 35	1 5	11 55	1 25	2 9	2 42	17 10	0 40	22 20	1 6	3 29	16 36	13 51	14 16	8 57	8 33	0 46
W12	11 10	6 34	3 35	15 25	0 58	7 2	0 46	23 33	1 8	11 56	1 25	2 11	2 42	17 10	0 40	22 20	1 6	3 29	16 36	13 54	14 17	8 54	8 35	0 46
T 13	11 31	11 58	4 16	16 14	1 8	6 41	0 50	23 31	1 10	11 56	1 25	2 12	2 42	17 9	0 40	22 20	1 6	3 30	16 36	13 57	14 18	8 50	8 36	0 46
F 14	11 51	17 0	4 45	17 1	1 18	6 19	0 54	23 29	1 12	11 57	1 25	2 13	2 41	17 9	0 40	22 20	1 6	3 31	16 36	14 1	14 19	8 47	8 37	0 46
S 15	12 11	21 22	5 0	17 46	1 27	5 57	0 58	23 27	1 14	11 57	1 24	2 15	2 41	17 9	0 40	22 20	1 6	3 31	16 36	14 5	14 20	8 44	8 39	0 46
S 16	12 31	24 48	5 0	18 29	1 36	5 35	1 2	23 25	1 17	11 57	1 24	2 16	2 41	17 8	0 40	22 20	1 6	3 32	16 36	14 8	14 21	8 41	8 40	0 45
M17	12 51	26 59	4 45	19 9	1 44	5 13	1 6	23 23	1 19	11 57	1 24	2 17	2 41	17 8	0 40	22 20	1 6	3 32	16 36	14 12	14 22	8 37	8 41	0 45
T 18	13 11	27 40	4 14	19 47	1 52	4 50	1 9	23 21	1 22	11 57	1 24	2 19	2 41	17 8	0 40	22 20	1 6	3 33	16 36	14 14	14 23	8 34	8 43	0 45
W19	13 30	26 43	3 28	20 23	1 59	4 27	1 13	23 19	1 24	11 57	1 24	2 20	2 41	17 7	0 40	22 21	1 5	3 33	16 36	14 16	14 24	8 31	8 44	0 45
T 20	13 49	24 10	2 30	20 56	2 6	4 4	1 16	23 16	1 26	11 57	1 23	2 21	2 41	17 7	0 40	22 21	1 5	3 34	16 36	14 17	14 25	8 28	8 45	0 45
F 21	14 8	20 9	1 22	21 26	2 11	3 40	1 19	23 14	1 29	11 57	1 23	2 22	2 40	17 7	0 41	22 21	1 5	3 34	16 36	14 17	14 26	8 24	8 47	0 45
S 22	14 27	14 57	0 9	21 54	2 16	3 17	1 22	23 12	1 31	11 57	1 23	2 23	2 40	17 6	0 41	22 21	1 5	3 34	16 36	14 17	14 27	8 21	8 48	0 45
S 23	14 46	8 54	1n 6	22 19	2 20	2 53	1 25	23 9	1 34	11 57	1 23	2 24	2 40	17 6	0 41	22 21	1 5	3 35	16 36	14 17	14 28	8 18	8 49	0 45
M24	15 4	2 20	2 18	22 43	2 24	2 29	1 28	23 7	1 37	11 57	1 23	2 25	2 40	17 6	0 41	22 21	1 5	3 35	16 36	14 18	14 29	8 15	8 51	0 45
T 25	15 22	4n23	3 21	23 3	2 26	2 5	1 31	23 5	1 39	11 56	1 22	2 26	2 40	17 6	0 41	22 21	1 5	3 36	16 35	14 19	14 30	8 11	8 52	0 45
W26	15 40	10 53	4 11	23 21	2 28	1 40	1 34	23 2	1 42	11 56	1 22	2 27	2 40	17 6	0 41	22 21	1 5	3 36	16 35	14 22	14 31	8 8	8 53	0 45
T 27	15 57	16 45	4 44	23 37	2 28	1 16	1 36	23 0	1 45	11 55	1 22	2 28	2 39	17 5	0 41	22 21	1 5	3 37	16 35	14 25	14 32	8 5	8 54	0 45
F 28	16 15	21 38	5 0	23 51	2 28	0 51	1 39	22 57	1 47	11 55	1 22	2 29	2 39	17 5	0 41	22 21	1 5	3 37	16 35	14 28	14 33	8 2	8 56	0 45
S 29	16 32	25 10	4 57	24 2	2 27	0 27	1 41	22 55	1 50	11 54	1 22	2 30	2 39	17 5	0 41	22 22	1 5	3 37	16 35	14 32	14 34	7 59	8 57	0 45
S 30	16n48	27n10	4n37	24n12	2n25	0s 2	1s43	22s52	1s53	11n53	1n21	2n31	2n39	17s 5	0s41	22n22	1s 5	3n38	16n35	14s36	14s36	7n55	8n58	0n45

Julian Day Number = 2175884.5, Delta T = 11m54s
Ecliptic obliquity = 23°32'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'55, Lahiri = 13°19'55 Julian Calendar 1 Apr. 1245 == Greg. Calendar 8 Apr. 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

MAY 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 4 3	17♉21'01	27♊20	9♊32	5♈ 0	26♋32	2♍32	29°R45	14♒55	25♊ 4	1°R10	20°R44	20♒50	6♍30	21♈12	M 1
T 2	15 8 0	18°18'43	10♋10	10°33	6° 8	27° 0	2°34	29♍43	14°56	25° 6	1♏ 9	20♒37	20°47	6°37	21°16	T 2
W 3	15 11 56	19°16'24	22°39	11°29	7°16	27°26	2°36	29°40	14°56	25° 8	1° 7	20°33	20°44	6°44	21°19	W 3
T 4	15 15 53	20°14'03	4♌49	12°22	8°24	27°53	2°38	29°38	14°57	25° 9	1° 6	20°31	20°41	6°50	21°22	T 4
F 5	15 19 50	21°11'40	16°47	13°10	9°32	28°20	2°40	29°36	14°57	25°11	1° 4	20°31	20°38	6°57	21°26	F 5
S 6	15 23 46	22° 9'16	28°38	13°53	10°40	28°46	2°43	29°34	14°57	25°13	1° 2	20°30	20°34	7° 4	21°29	S 6
S 7	15 27 43	23° 6'50	10♍26	14°33	11°48	29°11	2°45	29°33	14°58	25°15	1° 1	20°30	20°31	7°10	21°32	S 7
M 8	15 31 39	24° 4'23	22°18	15° 8	12°56	29°37	2°48	29°31	14°58	25°17	0°59	20°27	20°28	7°17	21°36	M 8
T 9	15 35 36	25° 1'54	4♎17	15°38	14° 5	0♒ 2	2°51	29°29	14°58	25°19	0°58	20°23	20°25	7°24	21°39	T 9
W10	15 39 32	25°59'24	16°29	16° 4	15°13	0°27	2°54	29°28	14°58	25°21	0°56	20°15	20°22	7°30	21°42	W10
T 11	15 43 29	26°56'53	28°56	16°25	16°22	0°51	2°58	29°26	14°58	25°23	0°55	20° 5	20°18	7°37	21°46	T 11
F 12	15 47 25	27°54'20	11♏40	16°41	17°30	1°15	3° 1	29°25	14°58	25°25	0°53	19°54	20°15	7°44	21°49	F 12
S 13	15 51 22	28°51'47	24°40	16°53	18°39	1°39	3° 5	29°23	14°R58	25°27	0°52	19°41	20°12	7°50	21°52	S 13
S 14	15 55 19	29°49'12	7♐57	17° 0	19°48	2° 2	3° 9	29°22	14°58	25°29	0°51	19°29	20° 9	7°57	21°55	S 14
M15	15 59 15	0♊46'37	21°28	17°R 3	20°57	2°25	3°13	29°21	14°58	25°31	0°49	19°19	20° 6	8° 4	21°58	M15
T 16	16 3 12	1°44'00	5♋10	17° 1	22° 6	2°48	3°17	29°20	14°58	25°33	0°48	19°11	20° 3	8°10	22° 1	T 16
W17	16 7 8	2°41'23	19° 2	16°54	23°15	3°10	3°21	29°19	14°58	25°35	0°46	19° 5	19°59	8°17	22° 5	W17
T 18	16 11 5	3°38'46	2♒59	16°44	24°24	3°31	3°26	29°19	14°58	25°37	0°45	19° 2	19°56	8°23	22° 8	T 18
F 19	16 15 1	4°36'07	17° 2	16°29	25°33	3°53	3°30	29°18	14°57	25°40	0°44	19°D 2	19°53	8°30	22°11	F 19
S 20	16 18 58	5°33'28	1♓ 7	16°10	26°43	4°14	3°35	29°17	14°57	25°42	0°42	19°R 2	19°50	8°37	22°14	S 20
S 21	16 22 55	6°30'48	15°16	15°48	27°52	4°34	3°40	29°17	14°57	25°44	0°41	19° 2	19°47	8°43	22°16	S 21
M22	16 26 51	7°28'08	29°25	15°23	29° 1	4°54	3°45	29°16	14°56	25°46	0°40	19° 0	19°44	8°50	22°19	M22
T 23	16 30 48	8°25'28	13♈35	14°55	0♉11	5°13	3°50	29°16	14°56	25°48	0°39	18°56	19°40	8°57	22°22	T 23
W24	16 34 44	9°22'47	27°41	14°25	1°21	5°32	3°55	29°16	14°55	25°50	0°37	18°49	19°37	9° 3	22°25	W24
T 25	16 38 41	10°20'05	11♉42	13°53	2°30	5°51	4° 1	29°D16	14°55	25°52	0°36	18°41	19°34	9°10	22°28	T 25
F 26	16 42 37	11°17'23	25°32	13°20	3°40	6° 9	4° 7	29°16	14°54	25°55	0°35	18°30	19°31	9°17	22°31	F 26
S 27	16 46 34	12°14'41	9♊ 8	12°46	4°50	6°26	4°13	29°16	14°53	25°57	0°34	18°19	19°28	9°23	22°33	S 27
S 28	16 50 30	13°11'58	22°28	12°13	6° 0	6°43	4°18	29°16	14°53	25°59	0°33	18° 9	19°24	9°30	22°36	S 28
M29	16 54 27	14° 9'14	5♋29	11°39	7°10	6°59	4°25	29°16	14°52	26° 1	0°32	18° 1	19°21	9°37	22°39	M29
T 30	16 58 24	15° 6'30	18°11	11° 7	8°20	7°15	4°31	29°17	14°51	26° 3	0°31	17°55	19°18	9°43	22°41	T 30
W31	17 2 20	16♊ 3'45	0♌35	10♊36	9♉30	7♒30	4♍37	29♍17	14♒50	26♊ 6	0♏30	17♒51	19♒15	9♍50	22♈44	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 5	27n33	4n 2	24n19	2n22	0n23	1s45	22s50	1s56	11n53	1n21	2n32	2n39	17s 5	0s41	22n22	1s 5	3n38	16n34	14s39	14s37	7n52	9n 0	0n45
T 2	17 21	26 24	3 16	24 24	2 18	0 48	1 47	22 47	1 59	11 52	1 21	2 32	2 39	17 5	0 41	22 22	1 5	3 38	16 34	14 41	14 38	7 49	9 1	0 45
W 3	17 37	23 58	2 22	24 28	2 14	1 13	1 49	22 45	2 2	11 51	1 21	2 33	2 38	17 4	0 41	22 22	1 5	3 39	16 34	14 42	14 39	7 46	9 2	0 44
T 4	17 53	20 28	1 22	24 29	2 8	1 39	1 51	22 42	2 5	11 50	1 21	2 34	2 38	17 4	0 41	22 22	1 5	3 39	16 34	14 43	14 40	7 42	9 3	0 44
F 5	18 8	16 11	0 20	24 29	2 1	2 4	1 53	22 40	2 8	11 49	1 20	2 34	2 38	17 4	0 41	22 22	1 5	3 39	16 33	14 43	14 41	7 39	9 5	0 44
S 6	18 23	11 20	0s43	24 27	1 54	2 29	1 54	22 38	2 11	11 48	1 20	2 35	2 38	17 4	0 41	22 22	1 5	3 40	16 33	14 43	14 42	7 36	9 6	0 44
S 7	18 38	6 5	1 44	24 23	1 45	2 55	1 56	22 35	2 14	11 47	1 20	2 35	2 38	17 4	0 41	22 22	1 5	3 40	16 33	14 43	14 43	7 32	9 7	0 44
M 8	18 52	0 37	2 40	24 18	1 36	3 20	1 57	22 33	2 17	11 45	1 20	2 36	2 37	17 4	0 41	22 22	1 5	3 40	16 33	14 44	14 44	7 29	9 8	0 44
T 9	19 6	4s55	3 30	24 11	1 26	3 45	1 58	22 31	2 20	11 44	1 20	2 36	2 37	17 4	0 41	22 23	1 5	3 40	16 32	14 45	14 45	7 26	9 9	0 44
W10	19 20	10 22	4 11	24 2	1 14	4 11	2 0	22 28	2 23	11 43	1 19	2 37	2 37	17 4	0 41	22 23	1 5	3 41	16 32	14 48	14 46	7 23	9 11	0 44
T 11	19 33	15 30	4 41	23 53	1 2	4 36	2 1	22 26	2 27	11 41	1 19	2 37	2 37	17 4	0 41	22 23	1 5	3 41	16 32	14 51	14 47	7 19	9 12	0 44
F 12	19 47	20 6	4 58	23 41	0 49	5 2	2 2	22 24	2 30	11 40	1 19	2 37	2 36	17 4	0 41	22 23	1 5	3 41	16 32	14 54	14 48	7 16	9 13	0 44
S 13	19 59	23 51	4 59	23 29	0 36	5 27	2 2	22 22	2 33	11 38	1 19	2 38	2 36	17 4	0 41	22 23	1 5	3 41	16 31	14 58	14 49	7 13	9 14	0 44
S 14	20 12	26 25	4 45	23 15	0 21	5 52	2 3	22 20	2 37	11 37	1 19	2 38	2 36	17 4	0 41	22 23	1 5	3 41	16 31	15 2	14 50	7 10	9 15	0 44
M15	20 24	27 30	4 15	23 1	0 6	6 18	2 4	22 18	2 40	11 35	1 18	2 38	2 36	17 4	0 41	22 23	1 5	3 41	16 31	15 6	14 51	7 6	9 16	0 44
T 16	20 36	26 56	3 30	22 45	0s 9	6 43	2 4	22 16	2 44	11 34	1 18	2 38	2 36	17 4	0 41	22 23	1 5	3 42	16 30	15 8	14 52	7 3	9 17	0 44
W17	20 47	24 41	2 32	22 28	0 26	7 8	2 5	22 15	2 47	11 32	1 18	2 39	2 35	17 4	0 42	22 23	1 5	3 42	16 30	15 10	14 53	7 0	9 19	0 44
T 18	20 58	20 56	1 24	22 10	0 42	7 33	2 5	22 13	2 51	11 30	1 18	2 39	2 35	17 5	0 42	22 23	1 5	3 42	16 30	15 11	14 54	6 57	9 20	0 44
F 19	21 9	15 58	0 11	21 52	0 59	7 59	2 5	22 11	2 54	11 28	1 18	2 39	2 35	17 5	0 42	22 23	1 5	3 42	16 29	15 11	14 55	6 53	9 21	0 44
S 20	21 19	10 8	1n 4	21 33	1 16	8 23	2 5	22 10	2 58	11 26	1 17	2 39	2 35	17 5	0 42	22 24	1 5	3 42	16 29	15 11	14 56	6 50	9 22	0 44
S 21	21 29	3 46	2 14	21 14	1 33	8 48	2 6	22 8	3 2	11 24	1 17	2 39	2 34	17 5	0 42	22 24	1 5	3 42	16 29	15 11	14 57	6 47	9 23	0 44
M22	21 39	2n47	3 17	20 54	1 51	9 13	2 5	22 7	3 6	11 22	1 17	2 39	2 34	17 5	0 42	22 24	1 5	3 42	16 28	15 11	14 58	6 44	9 24	0 44
T 23	21 48	9 10	4 7	20 34	2 7	9 38	2 5	22 6	3 9	11 20	1 17	2 39	2 34	17 5	0 42	22 24	1 5	3 42	16 28	15 13	14 59	6 40	9 25	0 44
W24	21 57	15 5	4 42	20 15	2 24	10 2	2 5	22 5	3 13	11 18	1 17	2 39	2 34	17 6	0 42	22 24	1 4	3 42	16 27	15 15	15 0	6 37	9 26	0 43
T 25	22 5	20 10	5 0	19 55	2 40	10 26	2 5	22 4	3 17	11 16	1 17	2 38	2 33	17 6	0 42	22 24	1 4	3 42	16 27	15 17	15 1	6 34	9 27	0 43
F 26	22 14	24 5	5 0	19 36	2 55	10 50	2 4	22 3	3 21	11 14	1 16	2 38	2 33	17 6	0 42	22 24	1 4	3 42	16 27	15 21	15 2	6 30	9 28	0 43
S 27	22 21	26 34	4 43	19 18	3 9	11 14	2 4	22 3	3 25	11 11	1 16	2 38	2 33	17 6	0 42	22 24	1 4	3 42	16 26	15 24	15 3	6 27	9 29	0 43
S 28	22 29	27 30	4 11	19 0	3 23	11 38	2 3	22 2	3 29	11 9	1 16	2 38	2 33	17 6	0 42	22 24	1 4	3 42	16 26	15 27	15 4	6 24	9 30	0 43
M29	22 36	26 51	3 26	18 43	3 35	12 2	2 3	22 2	3 33	11 7	1 16	2 37	2 33	17 7	0 42	22 24	1 4	3 42	16 25	15 30	15 5	6 21	9 31	0 43
T 30	22 42	24 48	2 31	18 28	3 46	12 25	2 2	22 2	3 37	11 4	1 16	2 37	2 32	17 7	0 42	22 24	1 4	3 42	16 25	15 32	15 6	6 17	9 32	0 43
W31	22n48	21n35	1n31	18n14	3s56	12n48	2s 1	22s 2	3s41	11n 2	1n15	2n36	2n32	17s 7	0s42	22n25	1s 4	3n42	16n24	15s33	15s 7	6n14	9n33	0n43

Julian Day Number = 2175914.5, Delta T = 11m54s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°12'59, Lahiri = 13°19'59 Julian Calendar 1 May 1245 == Greg. Calendar 8 May 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

JUNE 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 6 17	17♊ 0'59	12♌43	10°R 8	10♉40	7♒45	4♍44	29♍18	14°R49	26♊ 8	0°R28	17°D50	19♒12	9♍57	22♈47	T 1
F 2	17 10 13	17°58'13	24°41	9♊42	11°50	7°59	4°50	29°19	14♒48	26°10	0♏27	17♒50	19° 9	10° 3	22°49	F 2
S 3	17 14 10	18°55'26	6♍32	9°19	13° 0	8°12	4°57	29°20	14°48	26°12	0°27	17°50	19° 5	10°10	22°52	S 3
S 4	17 18 6	19°52'38	18°21	8°59	14°10	8°25	5° 4	29°20	14°46	26°14	0°26	17°R51	19° 2	10°17	22°54	S 4
M 5	17 22 3	20°49'50	0♎13	8°44	15°21	8°37	5°11	29°21	14°45	26°17	0°25	17°51	18°59	10°23	22°56	M 5
T 6	17 25 59	21°47'01	12°15	8°32	16°31	8°49	5°18	29°23	14°44	26°19	0°24	17°48	18°56	10°30	22°59	T 6
W 7	17 29 56	22°44'11	24°30	8°25	17°42	9° 0	5°26	29°24	14°43	26°21	0°23	17°44	18°53	10°37	23° 1	W 7
T 8	17 33 53	23°41'21	7♏ 3	8°D23	18°52	9°10	5°33	29°25	14°42	26°23	0°22	17°38	18°49	10°43	23° 3	T 8
F 9	17 37 49	24°38'31	19°55	8°25	20° 3	9°20	5°41	29°26	14°41	26°26	0°21	17°30	18°46	10°50	23° 5	F 9
S 10	17 41 46	25°35'40	3♐ 9	8°31	21°13	9°28	5°48	29°28	14°39	26°28	0°20	17°21	18°43	10°57	23° 8	S 10
S 11	17 45 42	26°32'50	16°44	8°43	22°24	9°37	5°56	29°30	14°38	26°30	0°20	17°13	18°40	11° 3	23°10	S 11
M12	17 49 39	27°29'59	0♑36	8°59	23°35	9°44	6° 4	29°31	14°37	26°32	0°19	17° 6	18°37	11°10	23°12	M12
T 13	17 53 35	28°27'08	14°43	9°21	24°46	9°51	6°12	29°33	14°35	26°35	0°18	17° 0	18°34	11°17	23°14	T 13
W14	17 57 32	29°24'17	29° 0	9°47	25°56	9°57	6°20	29°35	14°34	26°37	0°18	16°57	18°30	11°23	23°16	W14
T 15	18 1 28	0♋21'26	13♒21	10°18	27° 7	10° 3	6°29	29°37	14°32	26°39	0°17	16°D56	18°27	11°30	23°18	T 15
F 16	18 5 25	1°18'35	27°43	10°55	28°18	10° 7	6°37	29°39	14°31	26°41	0°17	16°56	18°24	11°36	23°20	F 16
S 17	18 9 22	2°15'45	12♓ 2	11°35	29°29	10°11	6°45	29°41	14°29	26°43	0°16	16°57	18°21	11°43	23°21	S 17
S 18	18 13 18	3°12'55	26°16	12°21	0♊40	10°14	6°54	29°43	14°28	26°46	0°15	16°58	18°18	11°50	23°23	S 18
M19	18 17 15	4°10'05	10♈22	13°11	1°52	10°17	7° 3	29°46	14°26	26°48	0°15	16°R58	18°15	11°56	23°25	M19
T 20	18 21 11	5° 7'16	24°20	14° 6	3° 3	10°18	7°12	29°48	14°25	26°50	0°14	16°56	18°11	12° 3	23°27	T 20
W21	18 25 8	6° 4'27	8♉ 8	15° 6	4°14	10°19	7°21	29°51	14°23	26°52	0°14	16°53	18° 8	12°10	23°28	W21
T 22	18 29 4	7° 1'39	21°46	16°10	5°25	10°R19	7°30	29°53	14°21	26°55	0°14	16°48	18° 5	12°16	23°30	T 22
F 23	18 33 1	7°58'51	5♊11	17°19	6°37	10°18	7°39	29°56	14°19	26°57	0°13	16°42	18° 2	12°23	23°31	F 23
S 24	18 36 57	8°56'04	18°23	18°31	7°48	10°17	7°48	29°59	14°18	26°59	0°13	16°36	17°59	12°30	23°33	S 24
S 25	18 40 54	9°53'17	1♋20	19°49	8°59	10°14	7°57	0♎ 2	14°16	27° 1	0°13	16°30	17°56	12°36	23°34	S 25
M26	18 44 51	10°50'31	14° 3	21°10	10°11	10°11	8° 7	0° 5	14°14	27° 3	0°12	16°25	17°52	12°43	23°36	M26
T 27	18 48 47	11°47'44	26°31	22°36	11°23	10° 8	8°16	0° 8	14°12	27° 6	0°12	16°22	17°49	12°50	23°37	T 27
W28	18 52 44	12°44'59	8♌45	24° 6	12°34	10° 3	8°26	0°11	14°10	27° 8	0°12	16°20	17°46	12°56	23°38	W28
T 29	18 56 40	13°42'13	20°49	25°40	13°46	9°58	8°36	0°14	14° 8	27°10	0°12	16°D20	17°43	13° 3	23°40	T 29
F 30	19 0 37	14♋39'28	2♍43	27♊17	14♊57	9♒51	8♍45	0♎18	14♒ 6	27♊12	0♏12	16♒21	17♒40	13♍10	23♈41	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n54	17n30	0n27	18n 2	4s 5	13n11	2s 0	22s 2	3s45	10n59	1n15	2n36	2n32	17s 8	0s42	22n25	1s 4	3n42	16n24	15s33	15s 8	6n11	9n34	0n43
F 2	23 0	12 46	0s37	17 51	4 12	13 33	1 59	22 2	3 49	10 56	1 15	2 35	2 32	17 8	0 42	22 25	1 4	3 42	16 24	15 33	15 9	6 8	9 35	0 43
S 3	23 4	7 38	1 39	17 42	4 17	13 56	1 58	22 3	3 54	10 54	1 15	2 35	2 31	17 8	0 42	22 25	1 4	3 42	16 23	15 33	15 10	6 4	9 35	0 43
S 4	23 9	2 14	2 36	17 35	4 22	14 18	1 57	22 4	3 58	10 51	1 15	2 34	2 31	17 8	0 42	22 25	1 4	3 42	16 23	15 33	15 11	6 1	9 36	0 43
M 5	23 13	3s15	3 27	17 30	4 25	14 39	1 56	22 4	4 2	10 48	1 15	2 34	2 31	17 9	0 42	22 25	1 4	3 42	16 22	15 33	15 12	5 58	9 37	0 43
T 6	23 17	8 41	4 10	17 26	4 26	15 1	1 55	22 5	4 7	10 45	1 14	2 33	2 31	17 9	0 42	22 25	1 4	3 41	16 22	15 34	15 13	5 54	9 38	0 43
W 7	23 20	13 54	4 42	17 25	4 26	15 22	1 53	22 7	4 11	10 43	1 14	2 32	2 30	17 10	0 42	22 25	1 4	3 41	16 21	15 35	15 14	5 51	9 39	0 43
T 8	23 23	18 39	5 1	17 26	4 25	15 43	1 52	22 8	4 15	10 40	1 14	2 32	2 30	17 10	0 42	22 25	1 4	3 41	16 21	15 37	15 15	5 48	9 40	0 43
F 9	23 26	22 42	5 6	17 28	4 23	16 3	1 50	22 10	4 20	10 37	1 14	2 31	2 30	17 10	0 42	22 25	1 4	3 41	16 20	15 39	15 16	5 45	9 40	0 43
S 10	23 28	25 42	4 55	17 33	4 19	16 23	1 49	22 12	4 24	10 34	1 14	2 30	2 30	17 11	0 42	22 25	1 4	3 41	16 20	15 42	15 17	5 41	9 41	0 43
S 11	23 30	27 18	4 27	17 39	4 15	16 43	1 47	22 14	4 28	10 31	1 14	2 29	2 29	17 11	0 42	22 25	1 4	3 40	16 19	15 44	15 18	5 38	9 42	0 43
M12	23 31	27 15	3 43	17 47	4 9	17 3	1 45	22 16	4 33	10 28	1 13	2 28	2 29	17 12	0 42	22 25	1 4	3 40	16 19	15 47	15 19	5 35	9 43	0 43
T 13	23 32	25 27	2 45	17 57	4 2	17 22	1 44	22 18	4 37	10 24	1 13	2 27	2 29	17 12	0 42	22 25	1 4	3 40	16 18	15 48	15 20	5 31	9 43	0 43
W14	23 32	22 0	1 35	18 8	3 55	17 40	1 42	22 21	4 42	10 21	1 13	2 26	2 29	17 12	0 42	22 26	1 4	3 40	16 18	15 49	15 21	5 28	9 44	0 43
T 15	23 32	17 11	0 19	18 21	3 46	17 58	1 40	22 24	4 46	10 18	1 13	2 25	2 28	17 13	0 43	22 26	1 4	3 39	16 17	15 50	15 22	5 25	9 45	0 43
F 16	23 32	11 24	0n58	18 35	3 37	18 16	1 38	22 27	4 51	10 15	1 13	2 24	2 28	17 13	0 43	22 26	1 4	3 39	16 17	15 50	15 23	5 22	9 45	0 43
S 17	23 31	5 3	2 12	18 50	3 28	18 34	1 36	22 30	4 55	10 12	1 13	2 23	2 28	17 14	0 43	22 26	1 4	3 39	16 16	15 49	15 24	5 18	9 46	0 43
S 18	23 30	1n31	3 17	19 7	3 17	18 51	1 34	22 33	5 0	10 8	1 13	2 22	2 28	17 14	0 43	22 26	1 4	3 38	16 16	15 49	15 25	5 15	9 47	0 42
M19	23 28	7 56	4 9	19 24	3 6	19 7	1 32	22 37	5 4	10 5	1 12	2 21	2 28	17 15	0 43	22 26	1 4	3 38	16 15	15 49	15 25	5 12	9 47	0 42
T 20	23 26	13 54	4 46	19 42	2 55	19 23	1 30	22 41	5 9	10 1	1 12	2 20	2 27	17 15	0 43	22 26	1 4	3 38	16 14	15 49	15 26	5 8	9 48	0 42
W21	23 24	19 6	5 6	20 0	2 43	19 39	1 28	22 45	5 13	9 58	1 12	2 19	2 27	17 16	0 43	22 26	1 4	3 37	16 14	15 50	15 27	5 5	9 49	0 42
T 22	23 21	23 15	5 9	20 20	2 30	19 54	1 25	22 49	5 18	9 54	1 12	2 17	2 27	17 16	0 43	22 26	1 4	3 37	16 13	15 52	15 28	5 2	9 49	0 42
F 23	23 18	26 4	4 54	20 39	2 18	20 8	1 23	22 53	5 22	9 51	1 12	2 16	2 27	17 17	0 43	22 26	1 4	3 37	16 13	15 54	15 29	4 59	9 50	0 42
S 24	23 14	27 25	4 24	20 58	2 5	20 22	1 21	22 58	5 26	9 47	1 12	2 15	2 26	17 18	0 43	22 26	1 4	3 36	16 12	15 56	15 30	4 55	9 50	0 42
S 25	23 10	27 13	3 41	21 17	1 52	20 36	1 19	23 3	5 31	9 44	1 12	2 13	2 26	17 18	0 43	22 26	1 4	3 36	16 12	15 57	15 31	4 52	9 51	0 42
M26	23 6	25 34	2 47	21 36	1 38	20 49	1 16	23 8	5 35	9 40	1 11	2 12	2 26	17 19	0 43	22 26	1 4	3 35	16 11	15 59	15 32	4 49	9 51	0 42
T 27	23 1	22 41	1 46	21 55	1 25	21 1	1 14	23 13	5 39	9 36	1 11	2 10	2 26	17 19	0 43	22 26	1 4	3 35	16 11	16 0	15 33	4 45	9 52	0 42
W28	22 56	18 49	0 41	22 13	1 12	21 13	1 11	23 18	5 43	9 32	1 11	2 9	2 26	17 20	0 43	22 26	1 4	3 34	16 10	16 0	15 34	4 42	9 52	0 42
T 29	22 50	14 14	0s25	22 30	0 58	21 25	1 9	23 24	5 47	9 29	1 11	2 7	2 25	17 20	0 43	22 26	1 4	3 34	16 9	16 0	15 35	4 39	9 52	0 42
F 30	22n44	9n10	1s29	22n45	0s45	21n35	1s 6	23s29	5s51	9n25	1n11	2n 6	2n25	17s21	0s43	22n26	1s 4	3n33	16n 9	16s 0	15s36	4n36	9n53	0n42

Julian Day Number = 2175945.5, Delta T = 11m54s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'03, Lahiri = 13°20'04 Julian Calendar 1 June 1245 == Greg. Calendar 8 June 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

JULY 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 33	15♋36'43	14♍33	28♊59	16♊ 9	9°R45	8♍55	0♎21	14°R 4	27♊14	0°R12	16♒23	17♒36	13♍16	23♈42	S 1
S 2	19 8 30	16°33'58	26°21	0♋44	17°21	9♒37	9° 5	0°25	14♒ 2	27°16	0♏11	16°24	17°33	13°23	23°43	S 2
M 3	19 12 27	17°31'14	8♎14	2°32	18°33	9°29	9°15	0°28	14° 0	27°18	0°D11	16°26	17°30	13°30	23°44	M 3
T 4	19 16 23	18°28'30	20°15	4°23	19°45	9°20	9°26	0°32	13°58	27°21	0°11	16°R26	17°27	13°36	23°45	T 4
W 5	19 20 20	19°25'46	2♏30	6°17	20°57	9°10	9°36	0°36	13°56	27°23	0°11	16°25	17°24	13°43	23°46	W 5
T 6	19 24 16	20°23'03	15° 3	8°14	22° 9	9° 0	9°46	0°40	13°54	27°25	0°12	16°23	17°21	13°50	23°47	T 6
F 7	19 28 13	21°20'20	27°58	10°13	23°21	8°49	9°57	0°44	13°52	27°27	0°12	16°21	17°17	13°56	23°48	F 7
S 8	19 32 9	22°17'38	11♐16	12°14	24°33	8°38	10° 7	0°48	13°50	27°29	0°12	16°17	17°14	14° 3	23°48	S 8
S 9	19 36 6	23°14'56	24°59	14°17	25°45	8°26	10°18	0°52	13°47	27°31	0°12	16°14	17°11	14°10	23°49	S 9
M10	19 40 2	24°12'15	9♑ 5	16°20	26°57	8°14	10°28	0°56	13°45	27°33	0°12	16°11	17° 8	14°16	23°50	M10
T 11	19 43 59	25° 9'35	23°31	18°25	28° 9	8° 1	10°39	1° 0	13°43	27°35	0°12	16° 9	17° 5	14°23	23°50	T 11
W12	19 47 56	26° 6'56	8♒10	20°31	29°21	7°47	10°50	1° 4	13°41	27°37	0°13	16° 8	17° 2	14°30	23°51	W12
T 13	19 51 52	27° 4'17	22°56	22°36	0♋34	7°34	11° 1	1° 9	13°39	27°39	0°13	16°D 8	16°58	14°36	23°51	T 13
F 14	19 55 49	28° 1'39	7♓43	24°42	1°46	7°19	11°12	1°13	13°36	27°41	0°13	16° 9	16°55	14°43	23°52	F 14
S 15	19 59 45	28°59'03	22°23	26°48	2°59	7° 5	11°23	1°18	13°34	27°43	0°14	16°10	16°52	14°50	23°52	S 15
S 16	20 3 42	29°56'28	6♈52	28°53	4°11	6°50	11°34	1°22	13°32	27°45	0°14	16°11	16°49	14°56	23°53	S 16
M17	20 7 38	0♎53'54	21° 5	0♎57	5°24	6°35	11°45	1°27	13°29	27°47	0°15	16°12	16°46	15° 3	23°53	M17
T 18	20 11 35	1°51'21	5♉ 2	3° 1	6°36	6°19	11°56	1°32	13°27	27°49	0°15	16°R12	16°42	15°10	23°53	T 18
W19	20 15 31	2°48'50	18°42	5° 3	7°49	6° 4	12° 8	1°37	13°25	27°51	0°16	16°11	16°39	15°16	23°53	W19
T 20	20 19 28	3°46'20	2♊ 4	7° 5	9° 1	5°48	12°19	1°41	13°22	27°53	0°16	16°10	16°36	15°23	23°53	T 20
F 21	20 23 25	4°43'52	15°10	9° 5	10°14	5°32	12°30	1°46	13°20	27°55	0°17	16° 9	16°33	15°30	23°R53	F 21
S 22	20 27 21	5°41'25	28° 1	11° 4	11°27	5°16	12°42	1°51	13°18	27°56	0°17	16° 7	16°30	15°36	23°53	S 22
S 23	20 31 18	6°38'59	10♋37	13° 2	12°40	5° 0	12°54	1°57	13°15	27°58	0°18	16° 6	16°27	15°43	23°53	S 23
M24	20 35 14	7°36'34	23° 2	14°58	13°53	4°44	13° 5	2° 2	13°13	28° 0	0°19	16° 5	16°23	15°50	23°53	M24
T 25	20 39 11	8°34'11	5♎15	16°53	15° 5	4°28	13°17	2° 7	13°11	28° 2	0°19	16° 5	16°20	15°56	23°53	T 25
W26	20 43 7	9°31'49	17°18	18°47	16°18	4°13	13°29	2°12	13° 8	28° 4	0°20	16°D 4	16°17	16° 3	23°53	W26
T 27	20 47 4	10°29'29	29°15	20°39	17°31	3°57	13°40	2°18	13° 6	28° 5	0°21	16° 5	16°14	16°10	23°52	T 27
F 28	20 51 0	11°27'09	11♍ 5	22°29	18°44	3°42	13°52	2°23	13° 3	28° 7	0°22	16° 5	16°11	16°16	23°52	F 28
S 29	20 54 57	12°24'51	22°54	24°18	19°58	3°27	14° 4	2°28	13° 1	28° 9	0°23	16° 5	16° 7	16°23	23°52	S 29
S 30	20 58 54	13°22'33	4♎42	26° 6	21°11	3°12	14°16	2°34	12°59	28°11	0°23	16° 6	16° 4	16°30	23°51	S 30
M31	21 2 50	14♎20'17	16♎35	27♎52	22♋24	2♒58	14♍28	2♎40	12♒56	28♊12	0♏24	16♒ 6	16♒ 1	16♍36	23♈51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n37	3n50	2s28	23n 0	0s32	21n46	1s 4	23s35	5s55	9n21	1n11	2n 4	2n25	17s22	0s43	22n26	1s 4	3n33	16n 8	16s 0	15s37	4n32	9n53	0n42
S 2	22 30	1s38	3 22	23 13	0 19	21 55	1 1	23 41	5 59	9 17	1 11	2 3	2 25	17 22	0 43	22 26	1 4	3 32	16 8	15 59	15 38	4 29	9 54	0 42
M 3	22 23	7 4	4 7	23 24	0 7	22 4	0 58	23 46	6 3	9 13	1 11	2 1	2 24	17 23	0 43	22 27	1 4	3 32	16 7	15 59	15 39	4 26	9 54	0 42
T 4	22 16	12 18	4 42	23 33	0n 5	22 13	0 56	23 52	6 7	9 9	1 10	1 59	2 24	17 23	0 43	22 27	1 4	3 31	16 7	15 59	15 40	4 22	9 54	0 42
W 5	22 7	17 9	5 5	23 40	0 17	22 21	0 53	23 58	6 10	9 5	1 10	1 58	2 24	17 24	0 43	22 27	1 4	3 31	16 6	15 59	15 41	4 19	9 55	0 42
T 6	21 59	21 25	5 14	23 44	0 28	22 28	0 50	24 5	6 14	9 1	1 10	1 56	2 24	17 25	0 43	22 27	1 4	3 30	16 5	15 59	15 42	4 16	9 55	0 42
F 7	21 50	24 47	5 8	23 47	0 38	22 35	0 48	24 11	6 17	8 57	1 10	1 54	2 24	17 25	0 43	22 27	1 4	3 30	16 5	16 0	15 43	4 13	9 55	0 42
S 8	21 41	26 56	4 45	23 46	0 48	22 41	0 45	24 17	6 20	8 53	1 10	1 53	2 23	17 26	0 43	22 27	1 4	3 29	16 4	16 1	15 44	4 9	9 55	0 42
S 9	21 32	27 32	4 6	23 43	0 57	22 46	0 42	24 23	6 23	8 49	1 10	1 51	2 23	17 27	0 43	22 27	1 4	3 28	16 4	16 2	15 45	4 6	9 56	0 42
M10	21 22	26 23	3 10	23 37	1 5	22 51	0 40	24 29	6 26	8 45	1 10	1 49	2 23	17 27	0 43	22 27	1 4	3 28	16 3	16 3	15 46	4 3	9 56	0 42
T 11	21 11	23 29	2 2	23 28	1 13	22 55	0 37	24 35	6 29	8 41	1 10	1 47	2 23	17 28	0 43	22 27	1 4	3 27	16 2	16 4	15 47	3 59	9 56	0 42
W12	21 1	19 0	0 44	23 17	1 20	22 58	0 34	24 41	6 31	8 36	1 10	1 45	2 23	17 29	0 43	22 27	1 4	3 27	16 2	16 4	15 48	3 56	9 56	0 42
T 13	20 50	13 20	0n38	23 3	1 26	23 1	0 31	24 47	6 34	8 32	1 9	1 43	2 22	17 29	0 43	22 27	1 4	3 26	16 1	16 4	15 49	3 53	9 56	0 42
F 14	20 39	6 55	1 56	22 46	1 31	23 3	0 28	24 53	6 36	8 28	1 9	1 41	2 22	17 30	0 43	22 27	1 4	3 25	16 1	16 4	15 50	3 50	9 56	0 42
S 15	20 27	0 10	3 7	22 27	1 36	23 5	0 26	24 59	6 38	8 24	1 9	1 39	2 22	17 31	0 43	22 27	1 4	3 25	16 0	16 4	15 51	3 46	9 57	0 41
S 16	20 15	6n29	4 5	22 5	1 39	23 5	0 23	25 5	6 40	8 19	1 9	1 37	2 22	17 31	0 43	22 27	1 4	3 24	16 0	16 3	15 52	3 43	9 57	0 41
M17	20 2	12 41	4 47	21 42	1 42	23 6	0 20	25 11	6 42	8 15	1 9	1 35	2 22	17 32	0 43	22 27	1 4	3 23	15 59	16 3	15 53	3 40	9 57	0 41
T 18	19 50	18 7	5 10	21 16	1 44	23 5	0 17	25 16	6 44	8 11	1 9	1 33	2 21	17 33	0 43	22 27	1 4	3 22	15 58	16 3	15 54	3 36	9 57	0 41
W19	19 37	22 31	5 16	20 48	1 46	23 4	0 15	25 22	6 45	8 6	1 9	1 31	2 21	17 33	0 43	22 27	1 4	3 22	15 58	16 3	15 55	3 33	9 57	0 41
T 20	19 23	25 38	5 4	20 18	1 47	23 2	0 12	25 27	6 46	8 2	1 9	1 29	2 21	17 34	0 43	22 27	1 4	3 21	15 57	16 3	15 56	3 30	9 57	0 41
F 21	19 10	27 18	4 37	19 46	1 47	22 59	0 9	25 32	6 47	7 57	1 9	1 27	2 21	17 35	0 43	22 27	1 4	3 20	15 57	16 4	15 57	3 26	9 57	0 41
S 22	18 56	27 27	3 56	19 13	1 46	22 56	0 6	25 37	6 48	7 53	1 9	1 25	2 21	17 35	0 43	22 27	1 4	3 20	15 56	16 4	15 57	3 23	9 57	0 41
S 23	18 41	26 10	3 4	18 39	1 45	22 52	0 4	25 42	6 49	7 48	1 9	1 22	2 21	17 36	0 43	22 27	1 4	3 19	15 55	16 5	15 58	3 20	9 57	0 41
M24	18 27	23 37	2 4	18 3	1 43	22 48	0 1	25 46	6 49	7 44	1 9	1 20	2 20	17 37	0 43	22 27	1 4	3 18	15 55	16 5	15 59	3 17	9 57	0 41
T 25	18 12	20 0	1 0	17 26	1 41	22 43	0n 2	25 50	6 49	7 39	1 8	1 18	2 20	17 37	0 43	22 27	1 4	3 17	15 54	16 5	16 0	3 13	9 56	0 41
W26	17 56	15 36	0s 7	16 49	1 38	22 37	0 5	25 54	6 49	7 34	1 8	1 16	2 20	17 38	0 43	22 27	1 4	3 16	15 54	16 5	16 1	3 10	9 56	0 41
T 27	17 41	10 39	1 12	16 10	1 35	22 30	0 7	25 58	6 49	7 30	1 8	1 13	2 20	17 39	0 43	22 27	1 4	3 16	15 53	16 5	16 2	3 7	9 56	0 41
F 28	17 25	5 22	2 15	15 30	1 31	22 23	0 10	26 1	6 49	7 25	1 8	1 11	2 20	17 40	0 43	22 27	1 4	3 15	15 53	16 5	16 3	3 3	9 56	0 41
S 29	17 9	0s 5	3 11	14 50	1 27	22 15	0 12	26 4	6 48	7 20	1 8	1 9	2 20	17 40	0 43	22 27	1 4	3 14	15 52	16 5	16 4	3 0	9 56	0 41
S 30	16 53	5 31	3 59	14 9	1 22	22 7	0 15	26 7	6 47	7 16	1 8	1 6	2 19	17 41	0 43	22 27	1 4	3 13	15 51	16 5	16 5	2 57	9 56	0 41
M31	16n36	10s48	4s37	13n28	1n17	21n58	0n18	26s 9	6s46	7n11	1n 8	1n 4	2n19	17s42	0s43	22n27	1s 4	3n12	15n51	16s 5	16s 6	2n54	9n55	0n41

Julian Day Number = 2175975.5, Delta T = 11m54s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'07, Lahiri = 13°20'08 Julian Calendar 1 July 1245 == Greg. Calendar 8 July 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

AUGUST 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 6 47	15♌18'02	28♎36	29♌37	23♋37	2°R44	14♍40	2♎45	12°R54	28♊14	0♏25	16♒ 6	15♒58	16♍43	23°R50	T 1
W 2	21 10 43	16°15'49	10♏49	1♍20	24°50	2♒31	14°52	2°51	12♒51	28°16	0°26	16° 6	15°55	16°50	23♈49	W 2
T 3	21 14 40	17°13'36	23°19	3° 2	26° 4	2°18	15° 4	2°57	12°49	28°17	0°27	16° 6	15°52	16°56	23°49	T 3
F 4	21 18 36	18°11'25	6♐ 9	4°43	27°17	2° 5	15°16	3° 3	12°47	28°19	0°28	16° 6	15°48	17° 3	23°48	F 4
S 5	21 22 33	19° 9'15	19°24	6°22	28°30	1°53	15°29	3° 8	12°44	28°20	0°29	16° 6	15°45	17°10	23°47	S 5
S 6	21 26 29	20° 7'07	3♑ 5	8° 0	29°44	1°42	15°41	3°14	12°42	28°22	0°30	16° 7	15°42	17°16	23°46	S 6
M 7	21 30 26	21° 4'59	17°13	9°36	0♌57	1°31	15°53	3°20	12°39	28°23	0°32	16° 7	15°39	17°23	23°45	M 7
T 8	21 34 23	22° 2'54	1♒45	11°12	2°11	1°21	16° 6	3°26	12°37	28°25	0°33	16° 8	15°36	17°30	23°44	T 8
W 9	21 38 19	23° 0'49	16°36	12°45	3°24	1°12	16°18	3°32	12°35	28°26	0°34	16°R 8	15°33	17°36	23°43	W 9
T 10	21 42 16	23°58'46	1♓40	14°18	4°38	1° 3	16°30	3°39	12°32	28°28	0°35	16° 8	15°29	17°43	23°42	T 10
F 11	21 46 12	24°56'44	16°47	15°49	5°52	0°55	16°43	3°45	12°30	28°29	0°36	16° 7	15°26	17°50	23°41	F 11
S 12	21 50 9	25°54'45	1♈49	17°19	7° 5	0°48	16°55	3°51	12°28	28°31	0°38	16° 6	15°23	17°56	23°40	S 12
S 13	21 54 5	26°52'47	16°38	18°47	8°19	0°41	17° 8	3°57	12°26	28°32	0°39	16° 5	15°20	18° 3	23°39	S 13
M14	21 58 2	27°50'51	1♉ 6	20°14	9°33	0°36	17°21	4° 4	12°23	28°33	0°40	16° 4	15°17	18°10	23°37	M14
T 15	22 1 58	28°48'57	15°11	21°40	10°47	0°30	17°33	4°10	12°21	28°35	0°42	16° 3	15°13	18°16	23°36	T 15
W16	22 5 55	29°47'06	28°52	23° 4	12° 0	0°26	17°46	4°16	12°19	28°36	0°43	16°D 2	15°10	18°23	23°35	W16
T 17	22 9 52	0♍45'16	12♊ 9	24°27	13°14	0°23	17°58	4°23	12°16	28°37	0°45	16° 3	15° 7	18°30	23°33	T 17
F 18	22 13 48	1°43'29	25° 4	25°49	14°28	0°20	18°11	4°29	12°14	28°38	0°46	16° 3	15° 4	18°36	23°32	F 18
S 19	22 17 45	2°41'43	7♋41	27° 9	15°42	0°18	18°24	4°36	12°12	28°40	0°48	16° 5	15° 1	18°43	23°30	S 19
S 20	22 21 41	3°40'00	20° 3	28°27	16°56	0°17	18°37	4°42	12°10	28°41	0°49	16° 6	14°58	18°50	23°29	S 20
M21	22 25 38	4°38'18	2♌13	29°44	18°10	0°D16	18°49	4°49	12° 8	28°42	0°51	16° 7	14°54	18°56	23°27	M21
T 22	22 29 34	5°36'39	14°14	0♎59	19°25	0°17	19° 2	4°56	12° 6	28°43	0°52	16°R 8	14°51	19° 3	23°25	T 22
W23	22 33 31	6°35'01	26° 9	2°13	20°39	0°18	19°15	5° 2	12° 3	28°44	0°54	16° 8	14°48	19°10	23°24	W23
T 24	22 37 27	7°33'25	7♍59	3°25	21°53	0°20	19°28	5° 9	12° 1	28°45	0°56	16° 6	14°45	19°16	23°22	T 24
F 25	22 41 24	8°31'51	19°48	4°35	23° 7	0°23	19°41	5°16	11°59	28°46	0°57	16° 4	14°42	19°23	23°20	F 25
S 26	22 45 21	9°30'19	1♎36	5°43	24°21	0°27	19°54	5°23	11°57	28°47	0°59	16° 0	14°39	19°30	23°18	S 26
S 27	22 49 17	10°28'49	13°27	6°49	25°36	0°31	20° 6	5°29	11°55	28°48	1° 1	15°56	14°35	19°36	23°16	S 27
M28	22 53 14	11°27'20	25°23	7°52	26°50	0°37	20°19	5°36	11°53	28°49	1° 2	15°52	14°32	19°43	23°14	M28
T 29	22 57 10	12°25'54	7♏27	8°54	28° 4	0°43	20°32	5°43	11°51	28°50	1° 4	15°48	14°29	19°50	23°12	T 29
W30	23 1 7	13°24'29	19°40	9°53	29°19	0°50	20°45	5°50	11°49	28°51	1° 6	15°45	14°26	19°56	23°10	W30
T 31	23 5 3	14♍23'06	2♐ 8	10♎49	0♍33	0♒57	20♍58	5♎57	11♒47	28♊52	1♏ 8	15♒43	14♒23	20♍ 3	23♈ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n19	15s44	5s 3	12n46	1n12	21n48	0n20	26s12	6s45	7n 6	1n 8	1n 2	2n19	17s42	0s43	22n27	1s 4	3n12	15n50	16s 5	16s 7	2n50	9n55	0n41
W 2	16 2	20 8	5 16	12 4	1 6	21 37	0 23	26 14	6 44	7 2	1 8	0 59	2 19	17 43	0 43	22 27	1 4	3 11	15 50	16 5	16 8	2 47	9 55	0 41
T 3	15 44	23 45	5 15	11 22	1 0	21 26	0 25	26 15	6 42	6 57	1 8	0 57	2 19	17 44	0 43	22 27	1 5	3 10	15 49	16 5	16 9	2 44	9 55	0 41
F 4	15 26	26 19	4 58	10 39	0 54	21 15	0 28	26 16	6 41	6 52	1 8	0 54	2 19	17 44	0 43	22 27	1 5	3 9	15 49	16 5	16 10	2 40	9 54	0 41
S 5	15 8	27 32	4 26	9 56	0 47	21 2	0 30	26 17	6 39	6 47	1 8	0 52	2 19	17 45	0 43	22 27	1 5	3 8	15 48	16 4	16 11	2 37	9 54	0 41
S 6	14 50	27 7	3 37	9 14	0 40	20 49	0 33	26 18	6 37	6 42	1 8	0 49	2 18	17 46	0 43	22 27	1 5	3 7	15 48	16 4	16 12	2 34	9 54	0 41
M 7	14 32	24 58	2 34	8 31	0 33	20 36	0 35	26 18	6 35	6 38	1 8	0 47	2 18	17 46	0 43	22 27	1 5	3 6	15 47	16 4	16 13	2 31	9 53	0 41
T 8	14 13	21 8	1 19	7 48	0 26	20 22	0 37	26 19	6 32	6 33	1 8	0 44	2 18	17 47	0 43	22 27	1 5	3 5	15 47	16 4	16 14	2 27	9 53	0 41
W 9	13 54	15 53	0n 3	7 5	0 18	20 7	0 39	26 18	6 30	6 28	1 8	0 42	2 18	17 48	0 43	22 27	1 5	3 5	15 46	16 4	16 15	2 24	9 52	0 41
T 10	13 35	9 36	1 25	6 22	0 11	19 52	0 42	26 18	6 27	6 23	1 8	0 39	2 18	17 48	0 43	22 27	1 5	3 4	15 45	16 4	16 16	2 21	9 52	0 40
F 11	13 16	2 45	2 42	5 40	0 3	19 36	0 44	26 17	6 24	6 18	1 7	0 37	2 18	17 49	0 43	22 27	1 5	3 3	15 45	16 4	16 16	2 17	9 51	0 40
S 12	12 56	4n12	3 47	4 57	0s 5	19 19	0 46	26 16	6 22	6 13	1 7	0 34	2 18	17 50	0 43	22 27	1 5	3 2	15 44	16 5	16 17	2 14	9 51	0 40
S 13	12 36	10 48	4 36	4 15	0 13	19 2	0 48	26 14	6 19	6 8	1 7	0 32	2 18	17 50	0 43	22 27	1 5	3 1	15 44	16 5	16 18	2 11	9 51	0 40
M14	12 16	16 41	5 6	3 33	0 21	18 45	0 50	26 13	6 16	6 3	1 7	0 29	2 18	17 51	0 43	22 27	1 5	3 0	15 43	16 5	16 19	2 8	9 50	0 40
T 15	11 56	21 30	5 17	2 52	0 30	18 27	0 52	26 11	6 12	5 58	1 7	0 26	2 17	17 52	0 43	22 27	1 5	2 59	15 43	16 6	16 20	2 4	9 49	0 40
W16	11 36	25 0	5 9	2 11	0 38	18 8	0 54	26 9	6 9	5 53	1 7	0 24	2 17	17 52	0 43	22 27	1 5	2 58	15 42	16 6	16 21	2 1	9 49	0 40
T 17	11 15	27 3	4 45	1 30	0 46	17 49	0 56	26 6	6 6	5 48	1 7	0 21	2 17	17 53	0 43	22 27	1 5	2 57	15 42	16 6	16 22	1 58	9 48	0 40
F 18	10 54	27 33	4 6	0 50	0 55	17 29	0 58	26 3	6 2	5 43	1 7	0 18	2 17	17 53	0 43	22 27	1 5	2 56	15 41	16 5	16 23	1 54	9 48	0 40
S 19	10 33	26 35	3 17	0 10	1 3	17 9	1 0	26 0	5 59	5 38	1 7	0 16	2 17	17 54	0 43	22 27	1 5	2 55	15 41	16 5	16 24	1 51	9 47	0 40
S 20	10 12	24 20	2 19	0s29	1 12	16 48	1 2	25 57	5 55	5 33	1 7	0 13	2 17	17 55	0 43	22 27	1 5	2 54	15 40	16 5	16 25	1 48	9 46	0 40
M21	9 51	20 59	1 16	1 8	1 21	16 27	1 3	25 54	5 52	5 28	1 7	0 10	2 17	17 55	0 43	22 27	1 5	2 53	15 40	16 4	16 26	1 44	9 46	0 40
T 22	9 30	16 48	0 10	1 46	1 29	16 5	1 5	25 50	5 48	5 23	1 7	0 7	2 17	17 56	0 43	22 27	1 5	2 52	15 40	16 4	16 27	1 41	9 45	0 40
W23	9 8	12 0	0s55	2 23	1 38	15 43	1 7	25 46	5 44	5 18	1 7	0 5	2 17	17 56	0 43	22 27	1 5	2 51	15 39	16 4	16 28	1 38	9 44	0 40
T 24	8 46	6 48	1 58	2 59	1 46	15 21	1 8	25 42	5 40	5 13	1 7	0 2	2 17	17 57	0 43	22 27	1 5	2 50	15 39	16 5	16 29	1 35	9 44	0 40
F 25	8 24	1 23	2 55	3 35	1 55	14 58	1 10	25 38	5 37	5 8	1 7	0s 1	2 16	17 58	0 43	22 27	1 5	2 49	15 38	16 5	16 30	1 31	9 43	0 40
S 26	8 2	4s 4	3 45	4 10	2 3	14 34	1 11	25 33	5 33	5 3	1 7	0 4	2 16	17 58	0 43	22 27	1 5	2 48	15 38	16 6	16 31	1 28	9 42	0 40
S 27	7 40	9 24	4 25	4 44	2 12	14 11	1 12	25 28	5 29	4 58	1 7	0 6	2 16	17 59	0 43	22 27	1 5	2 48	15 37	16 8	16 31	1 25	9 42	0 40
M28	7 18	14 25	4 54	5 16	2 20	13 47	1 14	25 23	5 25	4 53	1 7	0 9	2 16	17 59	0 43	22 27	1 5	2 47	15 37	16 9	16 32	1 21	9 41	0 40
T 29	6 55	18 56	5 10	5 48	2 28	13 22	1 15	25 18	5 21	4 47	1 7	0 12	2 16	18 0	0 43	22 27	1 5	2 46	15 36	16 10	16 33	1 18	9 40	0 40
W30	6 33	22 44	5 13	6 19	2 36	12 57	1 16	25 12	5 17	4 42	1 7	0 15	2 16	18 0	0 43	22 27	1 5	2 45	15 36	16 11	16 34	1 15	9 39	0 39
T 31	6n10	25s35	5s 1	6s48	2s43	12n32	1n17	25s 7	5s13	4n37	1n 7	0s18	2n16	18s 1	0s43	22n27	1s 5	2n44	15n36	16s12	16s35	1n12	9n38	0n39

Julian Day Number = 2176006.5, Delta T = 11m54s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'12, Lahiri = 13°20'12 Julian Calendar 1 Aug. 1245 == Greg. Calendar 8 Aug. 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

SEPTEMBER 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 9 0	15♍21'44	14♐54	11♎42	1♍48	1♒ 6	21♍11	6♎ 4	11°R46	28♊53	1♏ 9	15°D42	14♒19	20♍10	23°R 6	F 1
S 2	23 12 56	16°20'25	28° 2	12°33	3° 2	1°15	21°24	6°11	11♒44	28°53	1°11	15♒42	14°16	20°16	23♈ 4	S 2
S 3	23 16 53	17°19'07	11♑33	13°19	4°17	1°25	21°37	6°18	11°42	28°54	1°13	15°44	14°13	20°23	23° 2	S 3
M 4	23 20 50	18°17'50	25°32	14° 3	5°31	1°36	21°50	6°25	11°40	28°55	1°15	15°45	14°10	20°30	23° 0	M 4
T 5	23 24 46	19°16'36	9♒56	14°42	6°46	1°47	22° 3	6°32	11°38	28°55	1°17	15°R46	14° 7	20°36	22°57	T 5
W 6	23 28 43	20°15'23	24°45	15°17	8° 0	1°59	22°16	6°39	11°37	28°56	1°19	15°46	14° 4	20°43	22°55	W 6
T 7	23 32 39	21°14'12	9♓51	15°48	9°15	2°12	22°29	6°46	11°35	28°57	1°21	15°44	14° 0	20°50	22°53	T 7
F 8	23 36 36	22°13'03	25° 7	16°14	10°30	2°25	22°42	6°53	11°33	28°57	1°23	15°41	13°57	20°56	22°50	F 8
S 9	23 40 32	23°11'56	10♈22	16°34	11°44	2°39	22°55	7° 0	11°32	28°58	1°25	15°36	13°54	21° 3	22°48	S 9
S 10	23 44 29	24°10'51	25°26	16°49	12°59	2°54	23° 8	7° 8	11°30	28°58	1°27	15°30	13°51	21°10	22°46	S 10
M11	23 48 25	25° 9'49	10♉ 9	16°57	14°14	3°10	23°21	7°15	11°29	28°59	1°29	15°25	13°48	21°16	22°43	M11
T 12	23 52 22	26° 8'48	24°27	16°R59	15°28	3°26	23°34	7°22	11°27	28°59	1°31	15°20	13°45	21°23	22°41	T 12
W13	23 56 18	27° 7'51	8♊16	16°54	16°43	3°42	23°47	7°29	11°26	29° 0	1°33	15°16	13°41	21°30	22°38	W13
T 14	0 0 15	28° 6'55	21°36	16°42	17°58	4° 0	24° 0	7°36	11°24	29° 0	1°35	15°15	13°38	21°36	22°36	T 14
F 15	0 4 12	29° 6'02	4♋30	16°22	19°13	4°17	24°13	7°44	11°23	29° 0	1°37	15°D15	13°35	21°43	22°33	F 15
S 16	0 8 8	0♌ 5'11	17° 2	15°54	20°28	4°36	24°26	7°51	11°22	29° 1	1°39	15°16	13°32	21°50	22°30	S 16
S 17	0 12 5	1° 4'23	29°17	15°18	21°43	4°55	24°39	7°58	11°20	29° 1	1°42	15°17	13°29	21°56	22°28	S 17
M18	0 16 1	2° 3'37	11♎19	14°35	22°58	5°14	24°52	8° 5	11°19	29° 1	1°44	15°R18	13°25	22° 3	22°25	M18
T 19	0 19 58	3° 2'53	23°12	13°44	24°13	5°34	25° 5	8°13	11°18	29° 2	1°46	15°18	13°22	22°10	22°22	T 19
W20	0 23 54	4° 2'11	5♍ 1	12°46	25°28	5°55	25°18	8°20	11°17	29° 2	1°48	15°15	13°19	22°16	22°20	W20
T 21	0 27 51	5° 1'32	16°49	11°43	26°43	6°16	25°31	8°27	11°15	29° 2	1°50	15°11	13°16	22°23	22°17	T 21
F 22	0 31 47	6° 0'54	28°38	10°35	27°58	6°38	25°44	8°34	11°14	29° 2	1°53	15° 4	13°13	22°30	22°14	F 22
S 23	0 35 44	7° 0'19	10♎31	9°24	29°13	7° 0	25°57	8°42	11°13	29° 2	1°55	14°55	13°10	22°36	22°11	S 23
S 24	0 39 41	7°59'46	22°28	8°12	0♎28	7°23	26°10	8°49	11°12	29° 2	1°57	14°45	13° 6	22°43	22° 9	S 24
M25	0 43 37	8°59'15	4♏32	7° 0	1°43	7°46	26°23	8°56	11°11	29°R 2	1°59	14°34	13° 3	22°50	22° 6	M25
T 26	0 47 34	9°58'46	16°43	5°52	2°58	8° 9	26°35	9° 4	11°11	29° 2	2° 2	14°24	13° 0	22°56	22° 3	T 26
W27	0 51 30	10°58'18	29° 4	4°48	4°13	8°33	26°48	9°11	11°10	29° 2	2° 4	14°16	12°57	23° 3	22° 0	W27
T 28	0 55 27	11°57'53	11♐37	3°51	5°28	8°58	27° 1	9°18	11° 9	29° 2	2° 6	14° 9	12°54	23°10	21°57	T 28
F 29	0 59 23	12°57'30	24°23	3° 2	6°43	9°23	27°14	9°25	11° 8	29° 2	2° 9	14° 5	12°50	23°17	21°54	F 29
S 30	1 3 20	13♎57'08	7♑27	2♎23	7♎58	9♒48	27♍27	9♎33	11♒ 7	29♊ 2	2♏11	14♒ 3	12♒47	23♍23	21♈51	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n48	27s13	4s34	7s16	2s51	12n 6	1n18	25s 1	5s 9	4n32	1n 7	0s20	2n16	18s 1	0s43	22n27	1s 5	2n43	15n35	16s12	16s36	1n 8	9n38	0n39
S 2	5 25	27 23	3 52	7 42	2 58	11 40	1 19	24 55	5 5	4 27	1 7	0 23	2 16	18 2	0 43	22 27	1 5	2 42	15 35	16 12	16 37	1 5	9 37	0 39
S 3	5 2	25 58	2 56	8 7	3 5	11 14	1 20	24 49	5 1	4 22	1 7	0 26	2 16	18 2	0 43	22 27	1 5	2 41	15 34	16 11	16 38	1 2	9 36	0 39
M 4	4 39	22 54	1 48	8 30	3 11	10 47	1 21	24 42	4 57	4 17	1 7	0 29	2 16	18 3	0 43	22 27	1 5	2 40	15 34	16 11	16 39	0 59	9 35	0 39
T 5	4 16	18 21	0 32	8 51	3 17	10 20	1 22	24 36	4 53	4 12	1 7	0 32	2 16	18 3	0 43	22 27	1 5	2 39	15 33	16 11	16 40	0 55	9 34	0 39
W 6	3 53	12 34	0n49	9 9	3 23	9 53	1 23	24 29	4 49	4 6	1 7	0 35	2 16	18 4	0 43	22 27	1 5	2 38	15 33	16 11	16 41	0 52	9 33	0 39
T 7	3 29	5 56	2 8	9 26	3 28	9 25	1 23	24 22	4 45	4 1	1 7	0 37	2 16	18 4	0 43	22 27	1 5	2 37	15 33	16 11	16 42	0 49	9 32	0 39
F 8	3 6	1n 5	3 18	9 40	3 32	8 58	1 24	24 15	4 41	3 56	1 7	0 40	2 16	18 5	0 43	22 27	1 5	2 36	15 32	16 12	16 43	0 45	9 31	0 39
S 9	2 43	8 1	4 14	9 51	3 36	8 30	1 25	24 8	4 37	3 51	1 7	0 43	2 16	18 5	0 43	22 27	1 5	2 35	15 32	16 14	16 43	0 42	9 30	0 39
S 10	2 19	14 23	4 52	10 0	3 39	8 1	1 25	24 0	4 33	3 46	1 7	0 46	2 16	18 5	0 43	22 27	1 5	2 34	15 32	16 15	16 44	0 39	9 29	0 39
M11	1 56	19 48	5 9	10 5	3 40	7 33	1 26	23 53	4 29	3 41	1 7	0 49	2 16	18 6	0 43	22 27	1 5	2 33	15 31	16 17	16 45	0 36	9 28	0 39
T 12	1 32	23 54	5 6	10 6	3 41	7 4	1 26	23 45	4 25	3 36	1 7	0 52	2 16	18 6	0 43	22 27	1 5	2 32	15 31	16 18	16 46	0 32	9 27	0 39
W13	1 9	26 29	4 46	10 4	3 41	6 35	1 26	23 37	4 21	3 30	1 7	0 55	2 15	18 7	0 43	22 27	1 5	2 31	15 31	16 19	16 47	0 29	9 26	0 39
T 14	0 45	27 26	4 10	9 58	3 40	6 6	1 26	23 29	4 17	3 25	1 7	0 57	2 15	18 7	0 43	22 27	1 6	2 30	15 30	16 20	16 48	0 26	9 25	0 39
F 15	0 22	26 51	3 23	9 47	3 37	5 37	1 27	23 21	4 13	3 20	1 7	1 0	2 15	18 7	0 43	22 27	1 6	2 29	15 30	16 20	16 49	0 22	9 24	0 39
S 16	0s 2	24 53	2 27	9 32	3 32	5 7	1 27	23 13	4 9	3 15	1 7	1 3	2 15	18 8	0 43	22 27	1 6	2 28	15 30	16 20	16 50	0 19	9 23	0 38
S 17	0 26	21 47	1 26	9 13	3 26	4 38	1 27	23 5	4 5	3 10	1 7	1 6	2 15	18 8	0 43	22 27	1 6	2 27	15 29	16 19	16 51	0 16	9 22	0 38
M18	0 49	17 48	0 22	8 49	3 18	4 8	1 27	22 56	4 1	3 5	1 7	1 9	2 15	18 8	0 43	22 26	1 6	2 26	15 29	16 19	16 52	0 13	9 21	0 38
T 19	1 13	13 10	0s43	8 20	3 8	3 38	1 26	22 47	3 57	3 0	1 7	1 12	2 15	18 9	0 43	22 26	1 6	2 25	15 29	16 19	16 53	0 9	9 20	0 38
W20	1 37	8 5	1 44	7 46	2 56	3 8	1 26	22 39	3 54	2 54	1 8	1 15	2 15	18 9	0 43	22 26	1 6	2 24	15 28	16 20	16 54	0 6	9 19	0 38
T 21	2 0	2 45	2 41	7 9	2 43	2 38	1 26	22 30	3 50	2 49	1 8	1 18	2 15	18 9	0 43	22 26	1 6	2 23	15 28	16 21	16 54	0 3	9 18	0 38
F 22	2 24	2s41	3 31	6 28	2 27	2 7	1 26	22 20	3 46	2 44	1 8	1 20	2 15	18 10	0 43	22 26	1 6	2 22	15 28	16 23	16 55	0s 0	9 17	0 38
S 23	2 48	8 3	4 12	5 44	2 10	1 37	1 25	22 11	3 43	2 39	1 8	1 23	2 15	18 10	0 43	22 26	1 6	2 21	15 28	16 26	16 56	0 4	9 16	0 38
S 24	3 11	13 9	4 43	4 58	1 52	1 7	1 25	22 2	3 39	2 34	1 8	1 26	2 15	18 10	0 43	22 26	1 6	2 20	15 27	16 29	16 57	0 7	9 15	0 38
M25	3 35	17 47	5 0	4 12	1 32	0 36	1 24	21 52	3 35	2 29	1 8	1 29	2 15	18 10	0 43	22 26	1 6	2 19	15 27	16 32	16 58	0 10	9 13	0 38
T 26	3 58	21 46	5 5	3 26	1 12	0 6	1 24	21 42	3 32	2 24	1 8	1 32	2 15	18 10	0 42	22 26	1 6	2 18	15 27	16 35	16 59	0 13	9 12	0 38
W27	4 22	24 50	4 55	2 42	0 51	0s25	1 23	21 33	3 28	2 19	1 8	1 35	2 15	18 11	0 42	22 26	1 6	2 17	15 27	16 37	17 0	0 17	9 11	0 38
T 28	4 45	26 45	4 31	2 0	0 31	0 55	1 22	21 23	3 25	2 14	1 8	1 38	2 15	18 11	0 42	22 26	1 6	2 16	15 27	16 39	17 1	0 20	9 10	0 38
F 29	5 8	27 18	3 53	1 23	0 11	1 26	1 22	21 12	3 21	2 9	1 8	1 40	2 16	18 11	0 42	22 26	1 6	2 15	15 26	16 40	17 2	0 23	9 9	0 38
S 30	5s32	26s22	3s 3	0s49	0n 9	1s56	1n21	21s 2	3s18	2n 4	1n 8	1s43	2n16	18s11	0s42	22n26	1s 6	2n14	15n26	16s41	17s 3	0s27	9n 8	0n37

Julian Day Number = 2176037.5, Delta T = 11m54s
Ecliptic obliquity = 23°32'21, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'16, Lahiri = 13°20'16 Julian Calendar 1 Sept. 1245 == Greg. Calendar 8 Sept. 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

OCTOBER 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 7 16	14♎56'48	20♉50	1°R55	9♎14	10♒14	27♍39	9♎40	11°R 7	29°R 1	2♏13	14°D 3	12♒44	23♍30	21°R49	S 1
M 2	1 11 13	15°56'30	4♒36	1♎38	10°29	10°40	27°52	9°47	11♒ 6	29♊ 1	2°16	14♒ 4	12°41	23°37	21♈46	M 2
T 3	1 15 10	16°56'13	18°46	1°D31	11°44	11° 7	28° 5	9°55	11° 6	29° 1	2°18	14°R 4	12°38	23°43	21°43	T 3
W 4	1 19 6	17°55'58	3♓18	1°37	12°59	11°34	28°17	10° 2	11° 5	29° 1	2°20	14° 3	12°35	23°50	21°40	W 4
T 5	1 23 3	18°55'45	18°11	1°52	14°14	12° 1	28°30	10° 9	11° 5	29° 0	2°23	13°59	12°31	23°57	21°37	T 5
F 6	1 26 59	19°55'34	3♈18	2°18	15°30	12°29	28°42	10°16	11° 4	29° 0	2°25	13°52	12°28	24° 3	21°34	F 6
S 7	1 30 56	20°55'24	18°29	2°54	16°45	12°57	28°55	10°23	11° 4	29° 0	2°28	13°43	12°25	24°10	21°31	S 7
S 8	1 34 52	21°55'17	3♉34	3°38	18° 0	13°25	29° 8	10°31	11° 3	28°59	2°30	13°33	12°22	24°17	21°28	S 8
M 9	1 38 49	22°55'12	18°23	4°30	19°15	13°54	29°20	10°38	11° 3	28°59	2°32	13°23	12°19	24°23	21°25	M 9
T 10	1 42 45	23°55'08	2♊49	5°29	20°31	14°23	29°32	10°45	11° 3	28°58	2°35	13°13	12°16	24°30	21°22	T 10
W11	1 46 42	24°55'07	16°45	6°35	21°46	14°52	29°45	10°52	11° 3	28°58	2°37	13° 5	12°12	24°37	21°20	W11
T 12	1 50 39	25°55'08	0♋12	7°45	23° 1	15°22	29°57	10°59	11° 3	28°57	2°40	13° 0	12° 9	24°43	21°17	T 12
F 13	1 54 35	26°55'12	13°11	9° 0	24°16	15°52	0♎10	11° 6	11° 3	28°57	2°42	12°58	12° 6	24°50	21°14	F 13
S 14	1 58 32	27°55'17	25°45	10°20	25°32	16°22	0°22	11°14	11°D 3	28°56	2°44	12°D57	12° 3	24°57	21°11	S 14
S 15	2 2 28	28°55'25	8♌ 0	11°42	26°47	16°52	0°34	11°21	11° 3	28°55	2°47	12°R57	12° 0	25° 3	21° 8	S 15
M16	2 6 25	29°55'34	20° 0	13° 7	28° 2	17°23	0°46	11°28	11° 3	28°55	2°49	12°57	11°56	25°10	21° 5	M16
T 17	2 10 21	0♏55'46	1♍52	14°35	29°18	17°54	0°58	11°35	11° 3	28°54	2°52	12°55	11°53	25°17	21° 2	T 17
W18	2 14 18	1°56'00	13°39	16° 5	0♏33	18°26	1°10	11°42	11° 3	28°53	2°54	12°52	11°50	25°23	20°59	W18
T 19	2 18 14	2°56'16	25°27	17°36	1°49	18°57	1°22	11°49	11° 3	28°52	2°57	12°45	11°47	25°30	20°57	T 19
F 20	2 22 11	3°56'33	7♎19	19° 9	3° 4	19°29	1°34	11°56	11° 4	28°52	2°59	12°36	11°44	25°37	20°54	F 20
S 21	2 26 8	4°56'53	19°18	20°42	4°19	20° 1	1°46	12° 3	11° 4	28°51	3° 1	12°23	11°41	25°44	20°51	S 21
S 22	2 30 4	5°57'14	1♏25	22°16	5°35	20°33	1°58	12° 9	11° 4	28°50	3° 4	12° 9	11°37	25°50	20°48	S 22
M23	2 34 1	6°57'38	13°41	23°51	6°50	21° 6	2°10	12°16	11° 5	28°49	3° 6	11°55	11°34	25°57	20°45	M23
T 24	2 37 57	7°58'02	26° 6	25°27	8° 5	21°39	2°22	12°23	11° 5	28°48	3° 9	11°41	11°31	26° 4	20°43	T 24
W25	2 41 54	8°58'29	8♐42	27° 3	9°21	22°12	2°33	12°30	11° 6	28°47	3°11	11°29	11°28	26°10	20°40	W25
T 26	2 45 50	9°58'57	21°28	28°39	10°36	22°45	2°45	12°37	11° 6	28°46	3°14	11°19	11°25	26°17	20°37	T 26
F 27	2 49 47	10°59'27	4♑26	0♏15	11°52	23°18	2°57	12°43	11° 7	28°45	3°16	11°12	11°22	26°24	20°34	F 27
S 28	2 53 43	11°59'58	17°35	1°51	13° 7	23°52	3° 8	12°50	11° 8	28°44	3°18	11° 9	11°18	26°30	20°32	S 28
S 29	2 57 40	13° 0'30	0♒59	3°27	14°23	24°26	3°19	12°57	11° 9	28°43	3°21	11° 8	11°15	26°37	20°29	S 29
M30	3 1 37	14° 1'04	14°39	5° 3	15°38	25° 0	3°31	13° 3	11° 9	28°42	3°23	11° 8	11°12	26°44	20°26	M30
T 31	3 5 33	15♏ 1'39	28♒36	6♏39	16♏53	25♒34	3♎42	13♎10	11♒10	28♊41	3♏26	11♒ 7	11♒ 9	26♍50	20♈24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s55	23s54	2s 1	0s21	0n27	2s27	1n20	20s52	3s14	1n59	1n 8	1s46	2n16	18s11	0s42	22n26	1s 6	2n13	15n26	16s41	17s 3	0s30	9n 7	0n37
M 2	6 18	20 0	0 50	0n 1	0 44	2 57	1 19	20 41	3 11	1 54	1 8	1 49	2 16	18 12	0 42	22 26	1 6	2 12	15 26	16 41	17 4	0 33	9 6	0 37
T 3	6 41	14 52	0n25	0 18	0 59	3 28	1 18	20 31	3 7	1 49	1 8	1 52	2 16	18 12	0 42	22 26	1 6	2 11	15 26	16 41	17 5	0 36	9 4	0 37
W 4	7 4	8 46	1 41	0 28	1 13	3 58	1 17	20 20	3 4	1 44	1 8	1 55	2 16	18 12	0 42	22 26	1 6	2 10	15 25	16 41	17 6	0 40	9 3	0 37
T 5	7 27	2 4	2 51	0 33	1 25	4 28	1 16	20 9	3 1	1 39	1 8	1 57	2 16	18 12	0 42	22 26	1 6	2 9	15 25	16 42	17 7	0 43	9 2	0 37
F 6	7 49	4n50	3 51	0 32	1 36	4 58	1 15	19 58	2 57	1 34	1 8	2 0	2 16	18 12	0 42	22 26	1 6	2 8	15 25	16 44	17 8	0 46	9 1	0 37
S 7	8 12	11 29	4 34	0 26	1 44	5 29	1 14	19 47	2 54	1 29	1 9	2 3	2 16	18 12	0 42	22 26	1 6	2 7	15 25	16 47	17 9	0 49	9 0	0 37
S 8	8 34	17 25	4 58	0 15	1 52	5 59	1 12	19 35	2 51	1 24	1 9	2 6	2 16	18 12	0 42	22 26	1 6	2 7	15 25	16 49	17 10	0 53	8 58	0 37
M 9	8 57	22 11	5 1	0 0	1 58	6 28	1 11	19 24	2 48	1 19	1 9	2 9	2 16	18 12	0 42	22 26	1 6	2 6	15 25	16 53	17 11	0 56	8 57	0 37
T 10	9 19	25 28	4 45	0s19	2 2	6 58	1 10	19 12	2 45	1 14	1 9	2 11	2 16	18 12	0 42	22 26	1 6	2 5	15 25	16 55	17 12	0 59	8 56	0 37
W11	9 41	27 4	4 12	0 42	2 6	7 28	1 8	19 1	2 41	1 9	1 9	2 14	2 16	18 12	0 42	22 26	1 6	2 4	15 24	16 57	17 12	1 2	8 55	0 37
T 12	10 3	26 59	3 26	1 8	2 8	7 57	1 7	18 49	2 38	1 4	1 9	2 17	2 16	18 12	0 42	22 26	1 6	2 3	15 24	16 59	17 13	1 6	8 54	0 37
F 13	10 25	25 23	2 31	1 37	2 9	8 27	1 5	18 37	2 35	1 0	1 9	2 19	2 16	18 12	0 42	22 26	1 6	2 2	15 24	17 0	17 14	1 9	8 53	0 36
S 14	10 47	22 33	1 30	2 8	2 9	8 56	1 3	18 25	2 32	0 55	1 9	2 22	2 16	18 12	0 42	22 26	1 6	2 1	15 24	17 0	17 15	1 12	8 51	0 36
S 15	11 8	18 46	0 26	2 41	2 8	9 24	1 2	18 13	2 29	0 50	1 9	2 25	2 16	18 12	0 42	22 26	1 6	2 0	15 24	17 0	17 16	1 15	8 50	0 36
M16	11 30	14 17	0s37	3 16	2 6	9 53	1 0	18 1	2 26	0 45	1 9	2 28	2 16	18 12	0 42	22 26	1 6	2 0	15 24	17 0	17 17	1 19	8 49	0 36
T 17	11 51	9 19	1 38	3 52	2 4	10 22	0 58	17 48	2 24	0 40	1 9	2 30	2 17	18 12	0 42	22 26	1 6	1 59	15 24	17 0	17 18	1 22	8 48	0 36
W18	12 12	4 4	2 35	4 29	2 1	10 50	0 57	17 36	2 21	0 36	1 10	2 33	2 17	18 12	0 42	22 26	1 6	1 58	15 24	17 1	17 19	1 25	8 47	0 36
T 19	12 33	1s19	3 25	5 8	1 58	11 18	0 55	17 23	2 18	0 31	1 10	2 36	2 17	18 12	0 42	22 26	1 6	1 57	15 24	17 3	17 20	1 28	8 46	0 36
F 20	12 53	6 40	4 6	5 47	1 53	11 45	0 53	17 10	2 15	0 26	1 10	2 38	2 17	18 12	0 42	22 26	1 6	1 56	15 24	17 6	17 20	1 32	8 45	0 36
S 21	13 13	11 50	4 36	6 26	1 49	12 13	0 51	16 58	2 12	0 22	1 10	2 41	2 17	18 12	0 42	22 26	1 6	1 55	15 24	17 9	17 21	1 35	8 43	0 36
S 22	13 34	16 36	4 54	7 6	1 44	12 40	0 49	16 45	2 9	0 17	1 10	2 43	2 17	18 11	0 42	22 26	1 7	1 55	15 24	17 13	17 22	1 38	8 42	0 36
M23	13 54	20 46	4 59	7 46	1 39	13 7	0 47	16 31	2 7	0 12	1 10	2 46	2 17	18 11	0 42	22 25	1 7	1 54	15 24	17 17	17 23	1 41	8 41	0 36
T 24	14 13	24 3	4 50	8 26	1 34	13 33	0 45	16 18	2 4	0 8	1 10	2 49	2 17	18 11	0 42	22 25	1 7	1 53	15 24	17 21	17 24	1 45	8 40	0 35
W25	14 33	26 14	4 27	9 6	1 28	13 59	0 43	16 5	2 1	0 3	1 10	2 51	2 17	18 11	0 42	22 25	1 7	1 52	15 24	17 25	17 25	1 48	8 39	0 35
T 26	14 52	27 5	3 50	9 46	1 22	14 25	0 41	15 51	1 59	0s 1	1 10	2 54	2 17	18 11	0 42	22 25	1 7	1 51	15 24	17 27	17 26	1 51	8 38	0 35
F 27	15 11	26 28	3 1	10 25	1 16	14 50	0 39	15 38	1 56	0 6	1 11	2 56	2 18	18 11	0 42	22 25	1 7	1 51	15 24	17 29	17 27	1 54	8 37	0 35
S 28	15 30	24 22	2 1	11 5	1 9	15 15	0 37	15 24	1 54	0 10	1 11	2 59	2 18	18 10	0 41	22 25	1 7	1 50	15 24	17 30	17 27	1 57	8 36	0 35
S 29	15 48	20 53	0 53	11 44	1 3	15 40	0 35	15 11	1 51	0 15	1 11	3 1	2 18	18 10	0 41	22 25	1 7	1 49	15 24	17 30	17 28	2 1	8 34	0 35
M30	16 7	16 13	0n19	12 22	0 56	16 4	0 32	14 57	1 49	0 19	1 11	3 4	2 18	18 10	0 41	22 25	1 7	1 48	15 24	17 30	17 29	2 4	8 33	0 35
T 31	16s25	10s35	1n31	13s 1	0n50	16s28	0n30	14s43	1s46	0s23	1n11	3s 6	2n18	18s10	0s41	22n25	1s 7	1n48	15n24	17s31	17s30	2s 7	8n32	0n35

Julian Day Number = 2176067.5, Delta T = 11m54s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'20, Lahiri = 13°20'20 Julian Calendar 1 Oct. 1245 == Greg. Calendar 8 Oct. 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

NOVEMBER 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 9 30	16♏ 2'14	12♓51	8♏15	18♏ 9	26♒ 9	3♎53	13♎16	11♒11	28°R40	3♏28	11°R 5	11♒ 6	26♍57	20°R21	W 1
T 2	3 13 26	17° 2'51	27°23	9°51	19°24	26°43	4° 4	13°23	11°12	28♊39	3°30	11♒ 1	11° 2	27° 4	20♈19	T 2
F 3	3 17 23	18° 3'30	12♈ 7	11°26	20°40	27°18	4°15	13°29	11°13	28°37	3°33	10°54	10°59	27°10	20°16	F 3
S 4	3 21 19	19° 4'09	26°57	13° 2	21°55	27°53	4°26	13°36	11°14	28°36	3°35	10°44	10°56	27°17	20°14	S 4
S 5	3 25 16	20° 4'50	11♉45	14°37	23°10	28°28	4°37	13°42	11°15	28°35	3°38	10°32	10°53	27°24	20°11	S 5
M 6	3 29 12	21° 5'32	26°23	16°13	24°26	29° 3	4°48	13°48	11°16	28°34	3°40	10°20	10°50	27°30	20° 9	M 6
T 7	3 33 9	22° 6'16	10♊43	17°48	25°41	29°38	4°59	13°55	11°18	28°32	3°42	10° 9	10°47	27°37	20° 7	T 7
W 8	3 37 6	23° 7'01	24°39	19°23	26°57	0♓14	5°10	14° 1	11°19	28°31	3°45	10° 0	10°43	27°44	20° 4	W 8
T 9	3 41 2	24° 7'48	8♋ 8	20°57	28°12	0°50	5°20	14° 7	11°20	28°30	3°47	9°54	10°40	27°51	20° 2	T 9
F 10	3 44 59	25° 8'36	21°11	22°32	29°28	1°25	5°31	14°13	11°21	28°28	3°49	9°50	10°37	27°57	20° 0	F 10
S 11	3 48 55	26° 9'26	3♌49	24° 7	0♐43	2° 1	5°41	14°19	11°23	28°27	3°51	9°49	10°34	28° 4	19°57	S 11
S 12	3 52 52	27°10'17	16° 7	25°41	1°58	2°37	5°51	14°25	11°24	28°26	3°54	9°D49	10°31	28°11	19°55	S 12
M13	3 56 48	28°11'09	28° 9	27°15	3°14	3°13	6° 2	14°31	11°26	28°24	3°56	9°R49	10°28	28°17	19°53	M13
T 14	4 0 45	29°12'03	10♍ 3	28°50	4°29	3°50	6°12	14°37	11°27	28°23	3°58	9°48	10°24	28°24	19°51	T 14
W15	4 4 41	0♐12'58	21°52	0♐24	5°45	4°26	6°22	14°43	11°29	28°21	4° 1	9°46	10°21	28°31	19°49	W15
T 16	4 8 38	1°13'54	3♎41	1°58	7° 0	5° 3	6°32	14°49	11°31	28°20	4° 3	9°41	10°18	28°37	19°47	T 16
F 17	4 12 35	2°14'52	15°37	3°33	8°16	5°39	6°41	14°55	11°32	28°18	4° 5	9°33	10°15	28°44	19°45	F 17
S 18	4 16 31	3°15'51	27°41	5° 7	9°31	6°16	6°51	15° 0	11°34	28°17	4° 7	9°23	10°12	28°51	19°43	S 18
S 19	4 20 28	4°16'51	9♏56	6°41	10°46	6°53	7° 1	15° 6	11°36	28°15	4° 9	9°12	10° 8	28°57	19°41	S 19
M20	4 24 24	5°17'52	22°25	8°15	12° 2	7°30	7°10	15°11	11°38	28°14	4°12	8°59	10° 5	29° 4	19°39	M20
T 21	4 28 21	6°18'54	5♐ 7	9°50	13°17	8° 7	7°20	15°17	11°39	28°12	4°14	8°47	10° 2	29°11	19°37	T 21
W22	4 32 17	7°19'57	18° 3	11°24	14°33	8°44	7°29	15°22	11°41	28°11	4°16	8°37	9°59	29°17	19°36	W22
T 23	4 36 14	8°21'01	1♑10	12°58	15°48	9°22	7°38	15°28	11°43	28° 9	4°18	8°29	9°56	29°24	19°34	T 23
F 24	4 40 10	9°22'06	14°28	14°33	17° 4	9°59	7°47	15°33	11°45	28° 8	4°20	8°23	9°53	29°31	19°32	F 24
S 25	4 44 7	10°23'11	27°57	16° 8	18°19	10°36	7°56	15°38	11°47	28° 6	4°22	8°21	9°49	29°38	19°31	S 25
S 26	4 48 4	11°24'17	11♒35	17°42	19°34	11°14	8° 5	15°43	11°49	28° 4	4°24	8°D20	9°46	29°44	19°29	S 26
M27	4 52 0	12°25'23	25°22	19°17	20°50	11°52	8°14	15°48	11°52	28° 3	4°26	8°21	9°43	29°51	19°28	M27
T 28	4 55 57	13°26'29	9♓19	20°52	22° 5	12°29	8°23	15°53	11°54	28° 1	4°28	8°R22	9°40	29°58	19°26	T 28
W29	4 59 53	14°27'36	23°25	22°27	23°21	13° 7	8°31	15°58	11°56	28° 0	4°30	8°21	9°37	0♎ 4	19°25	W29
T 30	5 3 50	15♐28'43	7♈39	24♐ 2	24♐36	13♓45	8♎39	16♎ 3	11♒58	27♊58	4♏32	8♒19	9♒34	0♎11	19♈24	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s42	4s19	2n39	13s38	0n43	16s52	0n28	14s29	1s44	0s28	1n11	3s 8	2n18	18s 9	0s41	22n25	1s 7	1n47	15n24	17s31	17s31	2s10	8n31	0n35
T 2	17 0	2n17	3 38	14 15	0 36	17 14	0 26	14 15	1 41	0 32	1 11	3 11	2 18	18 9	0 41	22 25	1 7	1 46	15 24	17 32	17 32	2 14	8 30	0 35
F 3	17 17	8 51	4 24	14 52	0 30	17 37	0 23	14 0	1 39	0 36	1 12	3 13	2 18	18 9	0 41	22 25	1 7	1 46	15 24	17 34	17 33	2 17	8 29	0 35
S 4	17 34	14 57	4 52	15 27	0 23	17 59	0 21	13 46	1 36	0 41	1 12	3 16	2 19	18 8	0 41	22 25	1 7	1 45	15 24	17 37	17 34	2 20	8 28	0 34
S 5	17 50	20 11	5 0	16 2	0 16	18 20	0 19	13 32	1 34	0 45	1 12	3 18	2 19	18 8	0 41	22 25	1 7	1 44	15 24	17 40	17 34	2 23	8 27	0 34
M 6	18 6	24 6	4 49	16 37	0 9	18 42	0 16	13 17	1 32	0 49	1 12	3 20	2 19	18 8	0 41	22 25	1 7	1 44	15 24	17 43	17 35	2 26	8 26	0 34
T 7	18 22	26 25	4 19	17 10	0 2	19 2	0 14	13 2	1 29	0 53	1 12	3 23	2 19	18 7	0 41	22 25	1 7	1 43	15 25	17 46	17 36	2 30	8 25	0 34
W 8	18 38	27 0	3 35	17 43	0s 4	19 22	0 12	12 48	1 27	0 57	1 12	3 25	2 19	18 7	0 41	22 25	1 7	1 42	15 25	17 49	17 37	2 33	8 24	0 34
T 9	18 53	25 56	2 39	18 15	0 11	19 41	0 9	12 33	1 25	1 1	1 12	3 27	2 19	18 6	0 41	22 25	1 7	1 42	15 25	17 51	17 38	2 36	8 23	0 34
F 10	19 8	23 28	1 37	18 46	0 18	20 0	0 7	12 18	1 23	1 5	1 13	3 29	2 19	18 6	0 41	22 25	1 7	1 41	15 25	17 52	17 39	2 39	8 22	0 34
S 11	19 22	19 54	0 32	19 16	0 24	20 19	0 5	12 3	1 21	1 9	1 13	3 32	2 20	18 6	0 41	22 25	1 7	1 41	15 25	17 52	17 40	2 43	8 21	0 34
S 12	19 36	15 32	0s33	19 45	0 31	20 36	0 2	11 48	1 18	1 13	1 13	3 34	2 20	18 5	0 41	22 25	1 7	1 40	15 25	17 52	17 41	2 46	8 20	0 34
M13	19 50	10 40	1 36	20 14	0 37	20 54	0s 0	11 33	1 16	1 17	1 13	3 36	2 20	18 5	0 41	22 25	1 7	1 39	15 25	17 52	17 41	2 49	8 19	0 34
T 14	20 4	5 28	2 33	20 41	0 43	21 10	0 3	11 18	1 14	1 21	1 13	3 38	2 20	18 4	0 41	22 25	1 7	1 39	15 26	17 52	17 42	2 52	8 19	0 33
W15	20 17	0 7	3 24	21 7	0 49	21 26	0 5	11 3	1 12	1 25	1 13	3 40	2 20	18 4	0 41	22 25	1 7	1 38	15 26	17 53	17 43	2 55	8 18	0 33
T 16	20 30	5s13	4 6	21 33	0 55	21 42	0 7	10 47	1 10	1 29	1 14	3 42	2 20	18 3	0 41	22 25	1 7	1 38	15 26	17 54	17 44	2 59	8 17	0 33
F 17	20 42	10 25	4 37	21 57	1 1	21 56	0 10	10 32	1 8	1 32	1 14	3 44	2 21	18 3	0 41	22 25	1 7	1 37	15 26	17 56	17 45	3 2	8 16	0 33
S 18	20 54	15 17	4 56	22 20	1 7	22 10	0 12	10 16	1 6	1 36	1 14	3 46	2 21	18 2	0 41	22 25	1 7	1 37	15 26	17 59	17 46	3 5	8 15	0 33
S 19	21 5	19 38	5 2	22 42	1 13	22 24	0 15	10 1	1 4	1 40	1 14	3 48	2 21	18 2	0 41	22 25	1 7	1 36	15 27	18 2	17 47	3 8	8 14	0 33
M20	21 16	23 11	4 54	23 3	1 18	22 37	0 17	9 45	1 2	1 43	1 14	3 50	2 21	18 1	0 41	22 25	1 7	1 36	15 27	18 5	17 47	3 11	8 13	0 33
T 21	21 27	25 42	4 32	23 23	1 23	22 49	0 19	9 29	1 0	1 47	1 14	3 52	2 21	18 1	0 41	22 25	1 7	1 35	15 27	18 8	17 48	3 15	8 13	0 33
W22	21 37	26 54	3 55	23 42	1 28	23 0	0 22	9 14	0 58	1 50	1 15	3 54	2 22	18 0	0 41	22 25	1 7	1 35	15 27	18 11	17 49	3 18	8 12	0 33
T 23	21 47	26 37	3 5	23 59	1 33	23 11	0 24	8 58	0 56	1 54	1 15	3 56	2 22	18 0	0 41	22 25	1 7	1 34	15 28	18 13	17 50	3 21	8 11	0 32
F 24	21 57	24 48	2 4	24 15	1 38	23 21	0 26	8 42	0 55	1 57	1 15	3 58	2 22	17 59	0 41	22 25	1 7	1 34	15 28	18 15	17 51	3 24	8 10	0 32
S 25	22 6	21 34	0 55	24 30	1 42	23 30	0 29	8 26	0 53	2 1	1 15	4 0	2 22	17 58	0 41	22 25	1 7	1 34	15 28	18 15	17 52	3 27	8 10	0 32
S 26	22 15	17 6	0n17	24 44	1 46	23 39	0 31	8 10	0 51	2 4	1 15	4 1	2 22	17 58	0 41	22 25	1 7	1 33	15 28	18 15	17 53	3 31	8 9	0 32
M27	22 23	11 42	1 30	24 56	1 50	23 46	0 33	7 54	0 49	2 7	1 16	4 3	2 23	17 57	0 41	22 25	1 7	1 33	15 29	18 15	17 53	3 34	8 8	0 32
T 28	22 30	5 40	2 38	25 7	1 54	23 54	0 36	7 38	0 47	2 10	1 16	4 5	2 23	17 57	0 41	22 24	1 7	1 32	15 29	18 15	17 54	3 37	8 8	0 32
W29	22 38	0n42	3 38	25 16	1 57	24 0	0 38	7 22	0 46	2 14	1 16	4 7	2 23	17 56	0 41	22 24	1 7	1 32	15 29	18 15	17 55	3 40	8 7	0 32
T 30	22s45	7n 5	4n24	25s24	2s 0	24s 6	0s40	7s 5	0s44	2s17	1n16	4s 8	2n23	17s55	0s41	22n24	1s 7	1n32	15n29	18s16	17s56	3s43	8n 7	0n32

Julian Day Number = 2176098.5, Delta T = 11m53s
Ecliptic obliquity = 23°32'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'24, Lahiri = 13°20'25 Julian Calendar 1 Nov. 1245 == Greg. Calendar 8 Nov. 1245

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ASTRODIENST EPHEMERIS for the year 1245
geocentric

DECEMBER 1245 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 7 46	16♐29'50	21♈59	25♐37	25♐51	14♓23	8♎48	16♎ 8	12♒ 0	27°R56	4♏34	8°R15	9♒30	0♎18	19°R22	F 1
S 2	5 11 43	17°30'57	6♉22	27°12	27° 7	15° 1	8°56	16°12	12° 3	27♊55	4°36	8♒ 8	9°27	0°24	19♈21	S 2
S 3	5 15 39	18°32'05	20°42	28°47	28°22	15°39	9° 4	16°17	12° 5	27°53	4°38	8° 0	9°24	0°31	19°20	S 3
M 4	5 19 36	19°33'13	4♊54	0♋23	29°38	16°17	9°12	16°22	12° 7	27°51	4°40	7°52	9°21	0°38	19°19	M 4
T 5	5 23 33	20°34'22	18°53	1°58	0♋53	16°56	9°19	16°26	12°10	27°50	4°42	7°44	9°18	0°45	19°18	T 5
W 6	5 27 29	21°35'30	2♌34	3°33	2° 8	17°34	9°27	16°30	12°12	27°48	4°44	7°37	9°14	0°51	19°17	W 6
T 7	5 31 26	22°36'40	15°54	5° 8	3°24	18°12	9°35	16°35	12°15	27°46	4°45	7°33	9°11	0°58	19°16	T 7
F 8	5 35 22	23°37'49	28°53	6°43	4°39	18°51	9°42	16°39	12°17	27°45	4°47	7°31	9° 8	1° 5	19°15	F 8
S 9	5 39 19	24°38'59	11♎31	8°17	5°54	19°29	9°49	16°43	12°20	27°43	4°49	7°D30	9° 5	1°11	19°14	S 9
S 10	5 43 15	25°40'09	23°51	9°52	7°10	20° 8	9°56	16°47	12°23	27°41	4°51	7°32	9° 2	1°18	19°13	S 10
M11	5 47 12	26°41'20	5♏56	11°25	8°25	20°46	10° 3	16°51	12°25	27°39	4°52	7°33	8°59	1°25	19°13	M11
T 12	5 51 9	27°42'31	17°51	12°58	9°40	21°25	10°10	16°55	12°28	27°38	4°54	7°35	8°55	1°31	19°12	T 12
W13	5 55 5	28°43'42	29°42	14°30	10°56	22° 3	10°17	16°59	12°31	27°36	4°56	7°R35	8°52	1°38	19°11	W13
T 14	5 59 2	29°44'54	11♎33	16° 2	12°11	22°42	10°23	17° 2	12°33	27°34	4°57	7°34	8°49	1°45	19°11	T 14
F 15	6 2 58	0♋46'06	23°30	17°31	13°26	23°21	10°29	17° 6	12°36	27°33	4°59	7°32	8°46	1°51	19°10	F 15
S 16	6 6 55	1°47'18	5♏37	19° 0	14°41	24° 0	10°36	17° 9	12°39	27°31	5° 1	7°27	8°43	1°58	19°10	S 16
S 17	6 10 51	2°48'30	17°57	20°26	15°57	24°38	10°42	17°13	12°42	27°29	5° 2	7°22	8°40	2° 5	19° 9	S 17
M18	6 14 48	3°49'43	0♐33	21°50	17°12	25°17	10°47	17°16	12°45	27°28	5° 4	7°16	8°36	2°12	19° 9	M18
T 19	6 18 44	4°50'56	13°28	23°12	18°27	25°56	10°53	17°19	12°48	27°26	5° 5	7°10	8°33	2°18	19° 9	T 19
W20	6 22 41	5°52'08	26°41	24°30	19°43	26°35	10°59	17°23	12°50	27°24	5° 7	7° 5	8°30	2°25	19° 9	W20
T 21	6 26 38	6°53'20	10♋10	25°44	20°58	27°14	11° 4	17°26	12°53	27°22	5° 8	7° 1	8°27	2°32	19° 9	T 21
F 22	6 30 34	7°54'33	23°55	26°54	22°13	27°53	11° 9	17°29	12°56	27°21	5° 9	6°59	8°24	2°38	19° 9	F 22
S 23	6 34 31	8°55'44	7♒50	27°58	23°28	28°32	11°15	17°32	12°59	27°19	5°11	6°D58	8°20	2°45	19°D 9	S 23
S 24	6 38 27	9°56'55	21°55	28°57	24°44	29°11	11°19	17°34	13° 2	27°17	5°12	6°59	8°17	2°52	19° 9	S 24
M25	6 42 24	10°58'06	6♓ 4	29°49	25°59	29°50	11°24	17°37	13° 5	27°16	5°13	7° 0	8°14	2°58	19° 9	M25
T 26	6 46 20	11°59'15	20°16	0♒33	27°14	0♈30	11°29	17°40	13° 9	27°14	5°15	7° 2	8°11	3° 5	19° 9	T 26
W27	6 50 17	13° 0'24	4♈27	1° 8	28°29	1° 9	11°33	17°42	13°12	27°13	5°16	7° 3	8° 8	3°12	19° 9	W27
T 28	6 54 13	14° 1'33	18°37	1°34	29°44	1°48	11°37	17°44	13°15	27°11	5°17	7°R 3	8° 5	3°19	19° 9	T 28
F 29	6 58 10	15° 2'40	2♉43	1°50	0♒59	2°27	11°41	17°47	13°18	27° 9	5°18	7° 2	8° 1	3°25	19°10	F 29
S 30	7 2 7	16° 3'47	16°43	1°R54	2°15	3° 6	11°45	17°49	13°21	27° 8	5°19	7° 0	7°58	3°32	19°10	S 30
S 31	7 6 3	17♋ 4'52	0♊35	1♒48	3♒30	3♈46	11♎49	17♎51	13♒24	27♊ 6	5♏21	6♒57	7♒55	3♎39	19♈11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s51	13n 9	4n54	25s31	2s 3	24s11	0s42	6s49	0s42	2s20	1n16	4s10	2n23	17s55	0s41	22n24	1s 7	1n31	15n30	18s17	17s57	3s47	8n 6	0n32	F 1
S 2	22 57	18 30	5 6	25 36	2 5	24 15	0 44	6 33	0 41	2 23	1 17	4 11	2 24	17 54	0 40	22 24	1 7	1 31	15 30	18 18	17 58	3 50	8 5	0 32	S 2
S 3	23 2	22 48	4 59	25 39	2 7	24 18	0 47	6 17	0 39	2 26	1 17	4 13	2 24	17 53	0 40	22 24	1 7	1 31	15 30	18 21	17 59	3 53	8 5	0 31	S 3
M 4	23 8	25 41	4 33	25 41	2 9	24 21	0 49	6 0	0 37	2 29	1 17	4 15	2 24	17 53	0 40	22 24	1 7	1 30	15 31	18 23	17 59	3 56	8 4	0 31	M 4
T 5	23 12	26 55	3 52	25 42	2 10	24 23	0 51	5 44	0 36	2 32	1 17	4 16	2 24	17 52	0 40	22 24	1 7	1 30	15 31	18 25	18 0	3 59	8 4	0 31	T 5
W 6	23 16	26 28	2 57	25 40	2 11	24 24	0 53	5 27	0 34	2 34	1 17	4 18	2 24	17 51	0 40	22 24	1 7	1 30	15 31	18 26	18 1	4 2	8 3	0 31	W 6
T 7	23 20	24 29	1 54	25 38	2 11	24 24	0 55	5 11	0 32	2 37	1 18	4 19	2 25	17 50	0 40	22 24	1 7	1 30	15 32	18 28	18 2	4 6	8 3	0 31	T 7
F 8	23 23	21 14	0 47	25 33	2 11	24 24	0 57	4 54	0 31	2 40	1 18	4 20	2 25	17 50	0 40	22 24	1 7	1 29	15 32	18 28	18 3	4 9	8 2	0 31	F 8
S 9	23 26	17 3	0s22	25 27	2 11	24 23	0 59	4 38	0 29	2 42	1 18	4 22	2 25	17 49	0 40	22 24	1 7	1 29	15 32	18 28	18 4	4 12	8 2	0 31	S 9
S 10	23 28	12 15	1 28	25 20	2 10	24 21	1 1	4 21	0 28	2 45	1 18	4 23	2 25	17 48	0 40	22 24	1 7	1 29	15 33	18 28	18 4	4 15	8 2	0 31	S 10
M11	23 30	7 5	2 28	25 10	2 8	24 18	1 2	4 5	0 26	2 48	1 19	4 24	2 26	17 47	0 40	22 24	1 7	1 29	15 33	18 27	18 5	4 18	8 1	0 31	M11
T 12	23 31	1 44	3 22	24 59	2 6	24 15	1 4	3 48	0 25	2 50	1 19	4 26	2 26	17 47	0 40	22 24	1 7	1 29	15 34	18 27	18 6	4 22	8 1	0 30	T 12
W13	23 32	3s38	4 6	24 47	2 3	24 11	1 6	3 31	0 23	2 52	1 19	4 27	2 26	17 46	0 40	22 24	1 7	1 28	15 34	18 27	18 7	4 25	8 1	0 30	W13
T 14	23 32	8 53	4 40	24 33	1 59	24 6	1 8	3 15	0 22	2 55	1 19	4 28	2 26	17 45	0 40	22 24	1 7	1 28	15 34	18 27	18 8	4 28	8 0	0 30	T 14
F 15	23 32	13 50	5 2	24 17	1 55	24 0	1 9	2 58	0 21	2 57	1 20	4 29	2 27	17 44	0 40	22 24	1 7	1 28	15 35	18 28	18 9	4 31	8 0	0 30	F 15
S 16	23 32	18 19	5 11	24 0	1 50	23 54	1 11	2 41	0 19	2 59	1 20	4 30	2 27	17 43	0 40	22 24	1 7	1 28	15 35	18 29	18 9	4 34	8 0	0 30	S 16
S 17	23 31	22 8	5 6	23 41	1 44	23 47	1 13	2 25	0 18	3 1	1 20	4 31	2 27	17 43	0 40	22 24	1 7	1 28	15 35	18 30	18 10	4 37	8 0	0 30	S 17
M18	23 29	25 1	4 46	23 22	1 37	23 39	1 14	2 8	0 16	3 4	1 20	4 32	2 27	17 42	0 40	22 24	1 7	1 28	15 36	18 32	18 11	4 40	7 59	0 30	M18
T 19	23 27	26 40	4 11	23 0	1 30	23 30	1 16	1 51	0 15	3 6	1 20	4 33	2 28	17 41	0 40	22 24	1 7	1 28	15 36	18 33	18 12	4 44	7 59	0 30	T 19
W20	23 24	26 52	3 23	22 38	1 21	23 21	1 17	1 34	0 14	3 8	1 21	4 34	2 28	17 40	0 40	22 24	1 7	1 28	15 37	18 35	18 13	4 47	7 59	0 30	W20
T 21	23 22	25 30	2 21	22 15	1 11	23 11	1 18	1 18	0 12	3 9	1 21	4 35	2 28	17 39	0 40	22 24	1 7	1 28	15 37	18 36	18 14	4 50	7 59	0 29	T 21
F 22	23 18	22 35	1 11	21 52	1 1	23 0	1 20	1 1	0 11	3 11	1 21	4 36	2 28	17 38	0 40	22 24	1 7	1 28	15 38	18 36	18 14	4 53	7 59	0 29	F 22
S 23	23 14	18 18	0n 5	21 27	0 49	22 49	1 21	0 44	0 10	3 13	1 21	4 37	2 29	17 38	0 40	22 24	1 7	1 28	15 38	18 36	18 15	4 56	7 59	0 29	S 23
S 24	23 10	12 59	1 21	21 3	0 37	22 37	1 22	0 27	0 8	3 15	1 22	4 38	2 29	17 37	0 40	22 24	1 7	1 28	15 38	18 36	18 16	4 59	7 58	0 29	S 24
M25	23 5	6 57	2 33	20 39	0 23	22 24	1 23	0 10	0 7	3 16	1 22	4 39	2 29	17 36	0 40	22 24	1 7	1 28	15 39	18 36	18 17	5 3	7 58	0 29	M25
T 26	23 0	0 34	3 36	20 15	0 8	22 11	1 24	0n 6	0 6	3 18	1 22	4 39	2 29	17 35	0 40	22 24	1 7	1 28	15 39	18 36	18 18	5 6	7 58	0 29	T 26
W27	22 54	5n50	4 25	19 52	0n 8	21 57	1 25	0 23	0 5	3 19	1 22	4 40	2 30	17 34	0 40	22 24	1 7	1 28	15 40	18 35	18 19	5 9	7 58	0 29	W27
T 28	22 48	11 55	4 59	19 30	0 24	21 42	1 26	0 40	0 4	3 21	1 23	4 41	2 30	17 33	0 40	22 24	1 7	1 28	15 40	18 35	18 19	5 12	7 58	0 29	T 28
F 29	22 41	17 22	5 14	19 9	0 42	21 26	1 27	0 57	0 2	3 22	1 23	4 41	2 30	17 32	0 40	22 24	1 7	1 28	15 41	18 35	18 20	5 15	7 58	0 29	F 29
S 30	22 34	21 51	5 10	18 51	1 0	21 10	1 28	1 13	0 1	3 23	1 23	4 42	2 31	17 31	0 40	22 24	1 7	1 28	15 41	18 36	18 21	5 18	7 59	0 29	S 30
S 31	22s27	25n 3	4n49	18s34	1n18	20s54	1s29	1n30	0n 0	3s25	1n23	4s43	2n31	17s30	0s40	22n24	1s 7	1n28	15n42	18s37	18s22	5s21	7n59	0n28	S 31

Julian Day Number = 2176128.5, Delta T = 11m53s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'28, Lahiri = 13°20'29 Julian Calendar 1 Dec. 1245 == Greg. Calendar 8 Dec. 1245

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

JANUARY 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 10 0	18♉ 5'57	14♊17	1°R29	4♒45	4♈25	11♎53	17♎53	13♒27	27°R 5	5♏22	6°R55	7♒52	3♎45	19♈11	M 1
T 2	7 13 56	19° 7'01	27°48	0♒59	6° 0	5° 4	11°56	17°55	13°31	27♊ 3	5°23	6♒52	7°49	3°52	19°12	T 2
W 3	7 17 53	20° 8'05	11♋ 4	0°18	7°15	5°44	11°59	17°57	13°34	27° 1	5°24	6°50	7°46	3°59	19°12	W 3
T 4	7 21 49	21° 9'07	24° 5	29♉27	8°30	6°23	12° 2	17°58	13°37	27° 0	5°25	6°49	7°42	4° 5	19°13	T 4
F 5	7 25 46	22°10'09	6♌51	28°27	9°45	7° 2	12° 5	18° 0	13°41	26°58	5°26	6°D48	7°39	4°12	19°14	F 5
S 6	7 29 43	23°11'10	19°21	27°19	11° 0	7°42	12° 8	18° 1	13°44	26°57	5°26	6°48	7°36	4°19	19°15	S 6
S 7	7 33 39	24°12'10	1♍37	26° 7	12°15	8°21	12°10	18° 3	13°47	26°55	5°27	6°49	7°33	4°26	19°16	S 7
M 8	7 37 36	25°13'09	13°42	24°52	13°30	9° 1	12°13	18° 4	13°50	26°54	5°28	6°51	7°30	4°32	19°17	M 8
T 9	7 41 32	26°14'08	25°38	23°36	14°45	9°40	12°15	18° 5	13°54	26°53	5°29	6°52	7°26	4°39	19°18	T 9
W10	7 45 29	27°15'05	7♎30	22°22	16° 0	10°19	12°17	18° 6	13°57	26°51	5°30	6°53	7°23	4°46	19°19	W10
T 11	7 49 25	28°16'02	19°21	21°11	17°15	10°59	12°18	18° 7	14° 1	26°50	5°30	6°53	7°20	4°52	19°20	T 11
F 12	7 53 22	29°16'59	1♏18	20° 6	18°29	11°38	12°20	18° 8	14° 4	26°48	5°31	6°R53	7°17	4°59	19°21	F 12
S 13	7 57 18	0♒17'54	13°23	19° 7	19°44	12°18	12°21	18° 9	14° 7	26°47	5°32	6°53	7°14	5° 6	19°22	S 13
S 14	8 1 15	1°18'49	25°42	18°16	20°59	12°57	12°22	18° 9	14°11	26°46	5°32	6°53	7°11	5°12	19°23	S 14
M15	8 5 12	2°19'43	8♐19	17°33	22°14	13°37	12°23	18°10	14°14	26°44	5°33	6°52	7° 7	5°19	19°25	M15
T 16	8 9 8	3°20'36	21°18	16°58	23°29	14°16	12°24	18°10	14°18	26°43	5°34	6°52	7° 4	5°26	19°26	T 16
W17	8 13 5	4°21'29	4♑38	16°32	24°44	14°56	12°25	18°11	14°21	26°42	5°34	6°51	7° 1	5°33	19°28	W17
T 18	8 17 1	5°22'20	18°22	16°14	25°58	15°35	12°25	18°11	14°24	26°40	5°35	6°51	6°58	5°39	19°29	T 18
F 19	8 20 58	6°23'10	2♒26	16° 5	27°13	16°15	12°25	18°R11	14°28	26°39	5°35	6°51	6°55	5°46	19°31	F 19
S 20	8 24 54	7°23'58	16°48	16°D 3	28°28	16°54	12°R26	18°11	14°31	26°38	5°35	6°51	6°52	5°53	19°32	S 20
S 21	8 28 51	8°24'45	1♓21	16° 8	29°42	17°34	12°25	18°11	14°35	26°37	5°36	6°51	6°48	5°59	19°34	S 21
M22	8 32 47	9°25'31	16° 0	16°21	0♓57	18°13	12°25	18°10	14°38	26°36	5°36	6°51	6°45	6° 6	19°36	M22
T 23	8 36 44	10°26'15	0♈38	16°39	2°12	18°53	12°24	18°10	14°42	26°34	5°36	6°50	6°42	6°13	19°38	T 23
W24	8 40 41	11°26'57	15° 9	17° 4	3°26	19°32	12°24	18°10	14°45	26°33	5°37	6°50	6°39	6°19	19°39	W24
T 25	8 44 37	12°27'38	29°29	17°33	4°41	20°12	12°23	18° 9	14°49	26°32	5°37	6°50	6°36	6°26	19°41	T 25
F 26	8 48 34	13°28'17	13♉35	18° 8	5°55	20°51	12°22	18° 9	14°52	26°31	5°37	6°D49	6°32	6°33	19°43	F 26
S 27	8 52 30	14°28'54	27°26	18°47	7°10	21°31	12°20	18° 8	14°56	26°30	5°37	6°50	6°29	6°40	19°45	S 27
S 28	8 56 27	15°29'30	11♊ 1	19°31	8°24	22°10	12°19	18° 7	14°59	26°29	5°37	6°50	6°26	6°46	19°47	S 28
M29	9 0 23	16°30'04	24°21	20°18	9°39	22°50	12°17	18° 6	15° 3	26°28	5°37	6°51	6°23	6°53	19°49	M29
T 30	9 4 20	17°30'36	7♋26	21° 9	10°53	23°29	12°15	18° 5	15° 6	26°27	5°37	6°52	6°20	7° 0	19°51	T 30
W31	9 8 16	18♒31'06	20♋17	22♉ 3	12♓ 7	24♈ 9	12♎13	18♎ 4	15♒ 9	26♊26	5°R38	6♒53	6♒17	7♎ 6	19♈54	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	22s19	26n45	4n11	18s20	1n37	20s36	1s30	1n47	0n 1	3s26	1n24	4s43	2n31	17s29	0s40	22n24	1s 7	1n28	15n42	18s37	18s23	5s24	7n59	0n28	
T 2	22 10	26 50	3 19	18 8	1 56	20 18	1 30	2 4	0 2	3 27	1 24	4 44	2 31	17 28	0 40	22 24	1 7	1 28	15 42	18 38	18 24	5 28	7 59	0 28	
W 3	22 1	25 21	2 17	18 0	2 14	20 0	1 31	2 20	0 3	3 28	1 24	4 44	2 32	17 27	0 40	22 24	1 7	1 28	15 43	18 39	18 24	5 31	7 59	0 28	
T 4	21 52	22 32	1 10	17 54	2 31	19 41	1 31	2 37	0 4	3 29	1 25	4 44	2 32	17 27	0 40	22 24	1 6	1 28	15 43	18 39	18 25	5 34	7 59	0 28	
F 5	21 42	18 38	0s 0	17 51	2 46	19 21	1 32	2 53	0 6	3 30	1 25	4 45	2 32	17 26	0 40	22 24	1 6	1 29	15 44	18 39	18 26	5 37	7 59	0 28	
S 6	21 32	13 59	1 9	17 50	3 0	19 1	1 32	3 10	0 7	3 31	1 25	4 45	2 32	17 25	0 40	22 24	1 6	1 29	15 44	18 39	18 27	5 40	8 0	0 28	
S 7	21 22	8 52	2 13	17 52	3 12	18 40	1 33	3 27	0 8	3 31	1 25	4 45	2 33	17 24	0 40	22 24	1 6	1 29	15 45	18 39	18 28	5 43	8 0	0 28	
M 8	21 11	3 30	3 10	17 56	3 22	18 19	1 33	3 43	0 9	3 32	1 26	4 45	2 33	17 23	0 40	22 24	1 6	1 29	15 45	18 38	18 28	5 46	8 0	0 28	
T 9	20 59	1s55	3 59	18 2	3 29	17 58	1 33	4 0	0 10	3 33	1 26	4 46	2 33	17 22	0 40	22 24	1 6	1 29	15 46	18 38	18 29	5 49	8 0	0 27	
W10	20 48	7 13	4 36	18 9	3 34	17 35	1 33	4 16	0 11	3 33	1 26	4 46	2 34	17 21	0 40	22 24	1 6	1 30	15 46	18 38	18 30	5 53	8 1	0 27	
T 11	20 36	12 16	5 2	18 18	3 37	17 13	1 33	4 33	0 12	3 33	1 26	4 46	2 34	17 20	0 40	22 24	1 6	1 30	15 47	18 38	18 31	5 56	8 1	0 27	
F 12	20 23	16 54	5 16	18 27	3 37	16 49	1 33	4 49	0 13	3 34	1 27	4 46	2 34	17 19	0 40	22 24	1 6	1 30	15 47	18 38	18 32	5 59	8 1	0 27	
S 13	20 10	20 55	5 15	18 38	3 34	16 26	1 33	5 5	0 14	3 34	1 27	4 46	2 34	17 18	0 40	22 24	1 6	1 30	15 48	18 38	18 32	6 2	8 2	0 27	
S 14	19 57	24 7	5 0	18 49	3 30	16 2	1 33	5 22	0 15	3 34	1 27	4 46	2 35	17 17	0 40	22 24	1 6	1 31	15 48	18 38	18 33	6 5	8 2	0 27	
M15	19 43	26 14	4 31	19 0	3 25	15 37	1 33	5 38	0 16	3 35	1 27	4 46	2 35	17 16	0 40	22 24	1 6	1 31	15 49	18 38	18 34	6 8	8 3	0 27	
T 16	19 29	27 1	3 47	19 12	3 17	15 12	1 32	5 54	0 17	3 35	1 28	4 46	2 35	17 15	0 40	22 24	1 6	1 31	15 49	18 38	18 35	6 11	8 3	0 27	
W17	19 15	26 17	2 49	19 23	3 9	14 47	1 32	6 10	0 18	3 35	1 28	4 46	2 35	17 14	0 40	22 24	1 6	1 31	15 50	18 38	18 36	6 14	8 3	0 27	
T 18	19 0	23 56	1 41	19 35	2 59	14 21	1 32	6 27	0 18	3 34	1 28	4 46	2 36	17 13	0 40	22 24	1 6	1 32	15 50	18 38	18 37	6 17	8 4	0 27	
F 19	18 45	20 6	0 24	19 46	2 49	13 55	1 31	6 43	0 19	3 34	1 28	4 45	2 36	17 12	0 40	22 24	1 6	1 32	15 51	18 38	18 37	6 20	8 4	0 26	
S 20	18 30	15 0	0n55	19 57	2 39	13 28	1 30	6 59	0 20	3 34	1 29	4 45	2 36	17 11	0 40	22 24	1 6	1 32	15 51	18 38	18 38	6 24	8 5	0 26	
S 21	18 14	8 59	2 12	20 7	2 27	13 1	1 30	7 15	0 21	3 34	1 29	4 45	2 37	17 10	0 40	22 24	1 6	1 33	15 52	18 38	18 39	6 27	8 5	0 26	
M22	17 58	2 28	3 21	20 17	2 16	12 34	1 29	7 31	0 22	3 33	1 29	4 44	2 37	17 9	0 40	22 24	1 6	1 33	15 52	18 38	18 40	6 30	8 6	0 26	
T 23	17 42	4n10	4 16	20 26	2 4	12 6	1 28	7 47	0 23	3 33	1 30	4 44	2 37	17 8	0 40	22 24	1 6	1 34	15 53	18 38	18 41	6 33	8 7	0 26	
W24	17 25	10 31	4 55	20 35	1 53	11 39	1 27	8 2	0 24	3 32	1 30	4 44	2 37	17 7	0 40	22 24	1 6	1 34	15 53	18 39	18 41	6 36	8 7	0 26	
T 25	17 8	16 14	5 15	20 43	1 41	11 10	1 26	8 18	0 25	3 32	1 30	4 43	2 38	17 6	0 40	22 24	1 6	1 34	15 54	18 39	18 42	6 39	8 8	0 26	
F 26	16 51	20 59	5 15	20 50	1 29	10 42	1 25	8 34	0 25	3 31	1 30	4 43	2 38	17 5	0 40	22 24	1 6	1 35	15 54	18 39	18 43	6 42	8 9	0 26	
S 27	16 33	24 29	4 57	20 56	1 18	10 13	1 24	8 50	0 26	3 30	1 31	4 42	2 38	17 4	0 40	22 24	1 6	1 35	15 55	18 39	18 44	6 45	8 9	0 26	
S 28	16 15	26 31	4 23	21 1	1 7	9 44	1 23	9 5	0 27	3 30	1 31	4 42	2 38	17 3	0 40	22 24	1 6	1 36	15 55	18 38	18 45	6 48	8 10	0 26	
M29	15 57	26 59	3 35	21 5	0 55	9 15	1 22	9 21	0 28	3 29	1 31	4 41	2 39	17 2	0 40	22 24	1 6	1 36	15 56	18 38	18 45	6 51	8 11	0 25	
T 30	15 39	25 56	2 36	21 8	0 44	8 46	1 21	9 36	0 29	3 28	1 31	4 40	2 39	17 1	0 40	22 24	1 6	1 37	15 56	18 38	18 46	6 54	8 11	0 25	
W31	15s20	23n30	1n31	21s10	0n34	8s16	1s19	9n51	0n29	3s27	1n32	4s40	2n39	16s59	0s40	22n24	1s 6	1n37	15n57	18s38	18s47	6s57	8n12	0n25	

Julian Day Number = 2176159.5, Delta T = 11m53s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'33, Lahiri = 13°20'33 Julian Calendar 1 Jan. 1246 == Greg. Calendar 8 Jan. 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

FEBRUARY 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 12 13	19♒31'34	2♌56	23♉ 1	13♓22	24♈48	12°R11	18°R 3	15♒13	26°R25	5°R37	6°R53	6♒13	7♎13	19♈56	T 1
F 2	9 16 10	20°32'01	15°24	24° 1	14°36	25°28	12♎ 9	18♎ 1	15°16	26♊25	5♏37	6♒53	6°10	7°20	19°58	F 2
S 3	9 20 6	21°32'25	27°41	25° 3	15°50	26° 7	12° 6	18° 0	15°20	26°24	5°37	6°52	6° 7	7°27	20° 0	S 3
S 4	9 24 3	22°32'49	9♍49	26° 8	17° 4	26°47	12° 3	17°58	15°23	26°23	5°37	6°51	6° 4	7°33	20° 3	S 4
M 5	9 27 59	23°33'10	21°50	27°15	18°19	27°26	12° 0	17°57	15°27	26°22	5°37	6°48	6° 1	7°40	20° 5	M 5
T 6	9 31 56	24°33'30	3♎44	28°25	19°33	28° 6	11°57	17°55	15°30	26°21	5°37	6°45	5°57	7°47	20° 8	T 6
W 7	9 35 52	25°33'49	15°36	29°36	20°47	28°45	11°54	17°53	15°34	26°21	5°37	6°42	5°54	7°53	20°10	W 7
T 8	9 39 49	26°34'05	27°28	0♒49	22° 1	29°25	11°50	17°51	15°37	26°20	5°36	6°40	5°51	8° 0	20°13	T 8
F 9	9 43 45	27°34'21	9♏23	2° 4	23°15	0♉ 4	11°47	17°49	15°40	26°19	5°36	6°37	5°48	8° 7	20°15	F 9
S 10	9 47 42	28°34'35	21°26	3°21	24°29	0°43	11°43	17°47	15°44	26°19	5°36	6°36	5°45	8°13	20°18	S 10
S 11	9 51 39	29°34'47	3♐42	4°39	25°43	1°23	11°39	17°45	15°47	26°18	5°35	6°D36	5°42	8°20	20°21	S 11
M12	9 55 35	0♓34'58	16°15	5°59	26°57	2° 2	11°35	17°42	15°51	26°18	5°35	6°37	5°38	8°27	20°23	M12
T 13	9 59 32	1°35'07	29° 8	7°20	28°10	2°42	11°30	17°40	15°54	26°17	5°34	6°38	5°35	8°34	20°26	T 13
W14	10 3 28	2°35'15	12♉27	8°43	29°24	3°21	11°26	17°38	15°57	26°17	5°34	6°40	5°32	8°40	20°29	W14
T 15	10 7 25	3°35'21	26°11	10° 7	0♈38	4° 0	11°21	17°35	16° 1	26°16	5°33	6°41	5°29	8°47	20°32	T 15
F 16	10 11 21	4°35'25	10♒23	11°32	1°52	4°40	11°16	17°32	16° 4	26°16	5°33	6°R41	5°26	8°54	20°35	F 16
S 17	10 15 18	5°35'27	24°58	12°59	3° 5	5°19	11°11	17°30	16° 7	26°15	5°32	6°40	5°23	9° 0	20°37	S 17
S 18	10 19 14	6°35'28	9♓51	14°27	4°19	5°59	11° 6	17°27	16°11	26°15	5°32	6°38	5°19	9° 7	20°40	S 18
M19	10 23 11	7°35'26	24°55	15°56	5°33	6°38	11° 1	17°24	16°14	26°15	5°31	6°34	5°16	9°14	20°43	M19
T 20	10 27 8	8°35'22	9♈59	17°26	6°46	7°17	10°56	17°21	16°17	26°14	5°30	6°29	5°13	9°21	20°46	T 20
W21	10 31 4	9°35'17	24°55	18°58	8° 0	7°57	10°50	17°18	16°21	26°14	5°30	6°25	5°10	9°27	20°49	W21
T 22	10 35 1	10°35'09	9♉35	20°31	9°13	8°36	10°44	17°15	16°24	26°14	5°29	6°20	5° 7	9°34	20°52	T 22
F 23	10 38 57	11°34'59	23°53	22° 5	10°26	9°15	10°39	17°11	16°27	26°14	5°28	6°18	5° 3	9°41	20°56	F 23
S 24	10 42 54	12°34'46	7♊48	23°40	11°40	9°55	10°33	17° 8	16°30	26°13	5°27	6°D16	5° 0	9°47	20°59	S 24
S 25	10 46 50	13°34'32	21°19	25°17	12°53	10°34	10°26	17° 5	16°34	26°13	5°26	6°16	4°57	9°54	21° 2	S 25
M26	10 50 47	14°34'15	4♋28	26°55	14° 6	11°13	10°20	17° 1	16°37	26°13	5°26	6°18	4°54	10° 1	21° 5	M26
T 27	10 54 43	15°33'56	17°18	28°34	15°19	11°52	10°14	16°58	16°40	26°13	5°25	6°19	4°51	10° 8	21° 8	T 27
W28	10 58 40	16♓33'34	29♋53	0♓14	16♈32	12♉32	10♎ 8	16♎54	16♒43	26°D13	5♏24	6♒20	4♒48	10♎14	21♈12	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 1	19n56	0n22	21s11	0n23	7s46	1s18	10n 7	0n30	3s26	1n32	4s39	2n39	16s58	0s40	22n24	1s 6	1n37	15n57	18s38	18s48	7s 0	8n13	0n25
F 2	14 42	15 32	0s47	21 11	0 13	7 16	1 17	10 22	0 31	3 24	1 32	4 38	2 40	16 57	0 40	22 24	1 5	1 38	15 58	18 38	18 48	7 4	8 14	0 25
S 3	14 23	10 34	1 53	21 10	0 3	6 46	1 15	10 37	0 32	3 23	1 32	4 37	2 40	16 56	0 40	22 24	1 5	1 38	15 58	18 38	18 49	7 7	8 14	0 25
S 4	14 3	5 16	2 52	21 7	0s 7	6 15	1 13	10 52	0 32	3 22	1 33	4 37	2 40	16 55	0 40	22 24	1 5	1 39	15 59	18 38	18 50	7 10	8 15	0 25
M 5	13 43	0s10	3 43	21 3	0 16	5 44	1 12	11 7	0 33	3 21	1 33	4 36	2 40	16 54	0 40	22 24	1 5	1 39	15 59	18 39	18 51	7 13	8 16	0 25
T 6	13 23	5 32	4 24	20 58	0 25	5 14	1 10	11 22	0 34	3 19	1 33	4 35	2 41	16 53	0 40	22 24	1 5	1 40	16 0	18 40	18 52	7 16	8 17	0 25
W 7	13 3	10 41	4 54	20 52	0 34	4 43	1 8	11 37	0 34	3 18	1 33	4 34	2 41	16 52	0 40	22 24	1 5	1 40	16 0	18 40	18 52	7 19	8 18	0 25
T 8	12 43	15 26	5 11	20 44	0 42	4 12	1 6	11 51	0 35	3 16	1 33	4 33	2 41	16 51	0 40	22 24	1 5	1 41	16 1	18 41	18 53	7 22	8 19	0 25
F 9	12 22	19 38	5 14	20 36	0 50	3 41	1 4	12 6	0 36	3 14	1 34	4 32	2 41	16 50	0 40	22 24	1 5	1 42	16 1	18 42	18 54	7 25	8 19	0 24
S 10	12 1	23 5	5 4	20 25	0 58	3 9	1 2	12 21	0 36	3 13	1 34	4 31	2 42	16 49	0 40	22 24	1 5	1 42	16 2	18 42	18 55	7 28	8 20	0 24
S 11	11 40	25 34	4 40	20 14	1 5	2 38	1 0	12 35	0 37	3 11	1 34	4 30	2 42	16 48	0 40	22 24	1 5	1 43	16 2	18 42	18 56	7 31	8 21	0 24
M12	11 19	26 51	4 3	20 1	1 12	2 7	0 58	12 49	0 38	3 9	1 34	4 29	2 42	16 47	0 40	22 24	1 5	1 43	16 3	18 42	18 56	7 34	8 22	0 24
T 13	10 57	26 44	3 12	19 47	1 19	1 35	0 56	13 4	0 38	3 7	1 35	4 28	2 42	16 46	0 40	22 24	1 5	1 44	16 3	18 41	18 57	7 37	8 23	0 24
W14	10 36	25 6	2 9	19 32	1 25	1 4	0 54	13 18	0 39	3 5	1 35	4 27	2 43	16 45	0 40	22 24	1 5	1 44	16 3	18 41	18 58	7 40	8 24	0 24
T 15	10 14	21 56	0 57	19 15	1 31	0 32	0 52	13 32	0 40	3 3	1 35	4 25	2 43	16 44	0 40	22 24	1 5	1 45	16 4	18 41	18 59	7 43	8 25	0 24
F 16	9 52	17 23	0n20	18 57	1 37	0 1	0 49	13 46	0 40	3 1	1 35	4 24	2 43	16 43	0 40	22 24	1 5	1 46	16 4	18 41	18 59	7 46	8 26	0 24
S 17	9 30	11 42	1 39	18 37	1 42	0n31	0 47	14 0	0 41	2 59	1 35	4 23	2 43	16 42	0 40	22 24	1 5	1 46	16 5	18 41	19 0	7 49	8 27	0 24
S 18	9 8	5 15	2 52	18 16	1 47	1 2	0 45	14 13	0 41	2 57	1 36	4 22	2 43	16 41	0 40	22 24	1 5	1 47	16 5	18 42	19 1	7 52	8 28	0 24
M19	8 45	1n33	3 54	17 54	1 51	1 34	0 42	14 27	0 42	2 55	1 36	4 20	2 44	16 40	0 40	22 24	1 5	1 47	16 6	18 43	19 2	7 55	8 29	0 23
T 20	8 23	8 15	4 39	17 30	1 55	2 5	0 40	14 40	0 43	2 52	1 36	4 19	2 44	16 39	0 40	22 24	1 5	1 48	16 6	18 44	19 3	7 58	8 30	0 23
W21	8 0	14 25	5 6	17 5	1 59	2 37	0 37	14 54	0 43	2 50	1 36	4 18	2 44	16 38	0 40	22 24	1 5	1 49	16 7	18 45	19 3	8 1	8 31	0 23
T 22	7 38	19 39	5 11	16 39	2 2	3 8	0 34	15 7	0 44	2 48	1 36	4 16	2 44	16 37	0 40	22 24	1 5	1 49	16 7	18 46	19 4	8 4	8 32	0 23
F 23	7 15	23 37	4 57	16 11	2 5	3 40	0 32	15 20	0 44	2 45	1 36	4 15	2 44	16 37	0 40	22 25	1 5	1 50	16 7	18 47	19 5	8 7	8 33	0 23
S 24	6 52	26 4	4 26	15 42	2 8	4 11	0 29	15 33	0 45	2 43	1 37	4 13	2 45	16 36	0 40	22 25	1 5	1 51	16 8	18 47	19 6	8 10	8 35	0 23
S 25	6 29	26 55	3 41	15 11	2 10	4 42	0 26	15 46	0 45	2 40	1 37	4 12	2 45	16 35	0 40	22 25	1 4	1 51	16 8	18 47	19 6	8 13	8 36	0 23
M26	6 6	26 12	2 45	14 39	2 11	5 13	0 24	15 59	0 46	2 38	1 37	4 10	2 45	16 34	0 40	22 25	1 4	1 52	16 9	18 47	19 7	8 16	8 37	0 23
T 27	5 43	24 6	1 42	14 6	2 13	5 44	0 21	16 12	0 47	2 35	1 37	4 9	2 45	16 33	0 40	22 25	1 4	1 53	16 9	18 46	19 8	8 19	8 38	0 23
W28	5s20	20n50	0n35	13s31	2s13	6n15	0s18	16n24	0n47	2s32	1n37	4s 7	2n45	16s32	0s40	22n25	1s 4	1n53	16n 9	18s46	19s 9	8s22	8n39	0n23

Julian Day Number = 2176190.5, Delta T = 11m53s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'37, Lahiri = 13°20'37 Julian Calendar 1 Feb. 1246 == Greg. Calendar 8 Feb. 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

MARCH 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 37	17♓33'10	12♌15	1♓55	17♈45	13♉11	10°R 1	16°R51	16♒46	26♊13	5°R23	6°R20	4♒44	10♎21	21♈15	T 1
F 2	11 6 33	18°32'44	24°27	3°38	18°58	13°50	9♎54	16♎47	16°49	26°13	5♏22	6♒19	4°41	10°28	21°18	F 2
S 3	11 10 30	19°32'16	6♍31	5°22	20°11	14°29	9°48	16°43	16°52	26°13	5°21	6°15	4°38	10°34	21°22	S 3
S 4	11 14 26	20°31'45	18°30	7° 7	21°24	15° 8	9°41	16°39	16°55	26°13	5°20	6° 9	4°35	10°41	21°25	S 4
M 5	11 18 23	21°31'12	0♎25	8°53	22°37	15°48	9°34	16°35	16°58	26°14	5°19	6° 1	4°32	10°48	21°28	M 5
T 6	11 22 19	22°30'38	12°18	10°41	23°49	16°27	9°27	16°31	17° 1	26°14	5°18	5°52	4°29	10°54	21°32	T 6
W 7	11 26 16	23°30'01	24°10	12°30	25° 2	17° 6	9°20	16°27	17° 4	26°14	5°17	5°43	4°25	11° 1	21°35	W 7
T 8	11 30 12	24°29'23	6♏ 3	14°21	26°14	17°45	9°12	16°23	17° 7	26°14	5°15	5°34	4°22	11° 8	21°39	T 8
F 9	11 34 9	25°28'43	18° 0	16°12	27°27	18°24	9° 5	16°19	17°10	26°15	5°14	5°27	4°19	11°15	21°42	F 9
S 10	11 38 5	26°28'00	0♐ 3	18° 5	28°39	19° 3	8°58	16°15	17°13	26°15	5°13	5°21	4°16	11°21	21°46	S 10
S 11	11 42 2	27°27'16	12°17	20° 0	29°52	19°42	8°51	16°11	17°16	26°15	5°12	5°17	4°13	11°28	21°49	S 11
M12	11 45 59	28°26'31	24°46	21°55	1♑ 4	20°21	8°43	16° 7	17°19	26°16	5°11	5°D16	4° 9	11°35	21°53	M12
T 13	11 49 55	29°25'43	7♑34	23°52	2°16	21° 0	8°36	16° 3	17°21	26°16	5° 9	5°16	4° 6	11°41	21°56	T 13
W14	11 53 52	0♈24'54	20°45	25°51	3°28	21°39	8°28	15°58	17°24	26°16	5° 8	5°17	4° 3	11°48	22° 0	W14
T 15	11 57 48	1°24'03	4♒22	27°50	4°41	22°18	8°20	15°54	17°27	26°17	5° 7	5°R18	4° 0	11°55	22° 4	T 15
F 16	12 1 45	2°23'10	18°28	29°51	5°53	22°57	8°13	15°50	17°30	26°17	5° 5	5°17	3°57	12° 2	22° 7	F 16
S 17	12 5 41	3°22'15	3♓ 1	1♈53	7° 5	23°36	8° 5	15°45	17°32	26°18	5° 4	5°14	3°54	12° 8	22°11	S 17
S 18	12 9 38	4°21'18	17°58	3°55	8°16	24°15	7°58	15°41	17°35	26°19	5° 3	5° 9	3°50	12°15	22°15	S 18
M19	12 13 34	5°20'19	3♈11	5°59	9°28	24°54	7°50	15°36	17°38	26°19	5° 1	5° 1	3°47	12°22	22°18	M19
T 20	12 17 31	6°19'18	18°30	8° 3	10°40	25°33	7°42	15°32	17°40	26°20	5° 0	4°52	3°44	12°28	22°22	T 20
W21	12 21 28	7°18'15	3♉43	10° 8	11°52	26°12	7°34	15°27	17°43	26°21	4°58	4°43	3°41	12°35	22°26	W21
T 22	12 25 24	8°17'10	18°40	12°14	13° 3	26°51	7°27	15°23	17°45	26°21	4°57	4°34	3°38	12°42	22°30	T 22
F 23	12 29 21	9°16'03	3♊14	14°19	14°15	27°30	7°19	15°18	17°48	26°22	4°56	4°28	3°34	12°49	22°33	F 23
S 24	12 33 17	10°14'53	17°19	16°25	15°26	28° 9	7°11	15°14	17°50	26°23	4°54	4°23	3°31	12°55	22°37	S 24
S 25	12 37 14	11°13'41	0♋56	18°30	16°37	28°48	7° 4	15° 9	17°53	26°24	4°53	4°21	3°28	13° 2	22°41	S 25
M26	12 41 10	12°12'27	14° 6	20°34	17°49	29°27	6°56	15° 5	17°55	26°24	4°51	4°D21	3°25	13° 9	22°45	M26
T 27	12 45 7	13°11'11	26°52	22°38	19° 0	0♊ 5	6°48	15° 0	17°57	26°25	4°50	4°21	3°22	13°15	22°48	T 27
W28	12 49 3	14° 9'52	9♌20	24°40	20°11	0°44	6°41	14°55	18° 0	26°26	4°48	4°R21	3°19	13°22	22°52	W28
T 29	12 53 0	15° 8'31	21°33	26°41	21°22	1°23	6°33	14°51	18° 2	26°27	4°46	4°20	3°15	13°29	22°56	T 29
F 30	12 56 57	16° 7'07	3♍36	28°39	22°33	2° 2	6°26	14°46	18° 4	26°28	4°45	4°16	3°12	13°36	23° 0	F 30
S 31	13 0 53	17♈ 5'42	15♍32	0♉36	23♉43	2♊41	6♎18	14♎42	18♒ 6	26♊29	4♏43	4♒10	3♒ 9	13♎42	23♈ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s56	16n41	0s32	12s55	2s14	6n46	0s15	16n37	0n48	2s30	1n37	4s 6	2n45	16s31	0s40	22n25	1s 4	1n54	16n10	18s46	19s 9	8s25	8n40	0n23
F 2	4 33	11 55	1 37	12 17	2 14	7 16	0 12	16 49	0 48	2 27	1 37	4 4	2 46	16 30	0 40	22 25	1 4	1 54	16 10	18 46	19 10	8 28	8 41	0 23
S 3	4 10	6 44	2 36	11 39	2 13	7 47	0 9	17 1	0 49	2 24	1 38	4 3	2 46	16 29	0 40	22 25	1 4	1 55	16 10	18 47	19 11	8 31	8 43	0 22
S 4	3 46	1 23	3 28	10 59	2 12	8 17	0 6	17 14	0 49	2 21	1 38	4 1	2 46	16 28	0 40	22 25	1 4	1 56	16 11	18 49	19 12	8 34	8 44	0 22
M 5	3 23	3s59	4 10	10 17	2 10	8 47	0 3	17 25	0 49	2 18	1 38	4 0	2 46	16 27	0 40	22 25	1 4	1 56	16 11	18 51	19 13	8 37	8 45	0 22
T 6	2 59	9 12	4 42	9 34	2 8	9 17	0 0	17 37	0 50	2 16	1 38	3 58	2 46	16 26	0 40	22 25	1 4	1 57	16 12	18 53	19 13	8 40	8 46	0 22
W 7	2 35	14 3	5 1	8 50	2 6	9 46	0n 3	17 49	0 50	2 13	1 38	3 56	2 46	16 25	0 40	22 25	1 4	1 58	16 12	18 55	19 14	8 43	8 47	0 22
T 8	2 12	18 24	5 7	8 4	2 3	10 16	0 6	18 0	0 51	2 10	1 38	3 55	2 46	16 25	0 40	22 25	1 4	1 58	16 12	18 57	19 15	8 46	8 49	0 22
F 9	1 48	22 3	4 59	7 18	1 59	10 45	0 9	18 12	0 51	2 7	1 38	3 53	2 47	16 24	0 40	22 25	1 4	1 59	16 13	18 59	19 16	8 49	8 50	0 22
S 10	1 25	24 47	4 39	6 30	1 55	11 14	0 12	18 23	0 52	2 4	1 38	3 51	2 47	16 23	0 40	22 25	1 4	2 0	16 13	19 1	19 16	8 52	8 51	0 22
S 11	1 1	26 25	4 5	5 40	1 51	11 43	0 15	18 34	0 52	2 1	1 38	3 49	2 47	16 22	0 40	22 25	1 4	2 1	16 13	19 1	19 17	8 55	8 52	0 22
M12	0 37	26 46	3 20	4 50	1 45	12 11	0 19	18 45	0 53	1 58	1 38	3 48	2 47	16 21	0 40	22 25	1 4	2 1	16 13	19 2	19 18	8 58	8 54	0 22
T 13	0 14	25 42	2 23	3 58	1 40	12 39	0 22	18 56	0 53	1 55	1 38	3 46	2 47	16 20	0 41	22 25	1 4	2 2	16 14	19 2	19 19	9 1	8 55	0 22
W14	0n10	23 12	1 17	3 5	1 34	13 7	0 25	19 7	0 53	1 52	1 38	3 44	2 47	16 20	0 41	22 25	1 4	2 3	16 14	19 2	19 19	9 4	8 56	0 22
T 15	0 34	19 20	0 5	2 12	1 27	13 34	0 28	19 17	0 54	1 49	1 39	3 43	2 47	16 19	0 41	22 26	1 4	2 3	16 14	19 1	19 20	9 7	8 58	0 21
F 16	0 57	14 15	1n10	1 17	1 20	14 2	0 31	19 28	0 54	1 46	1 39	3 41	2 47	16 18	0 41	22 26	1 4	2 4	16 15	19 2	19 21	9 10	8 59	0 21
S 17	1 21	8 13	2 23	0 21	1 12	14 29	0 35	19 38	0 55	1 43	1 39	3 39	2 47	16 17	0 41	22 26	1 4	2 5	16 15	19 2	19 22	9 13	9 0	0 21
S 18	1 44	1 36	3 27	0n35	1 4	14 55	0 38	19 48	0 55	1 40	1 39	3 37	2 47	16 16	0 41	22 26	1 4	2 5	16 15	19 4	19 22	9 16	9 1	0 21
M19	2 8	5n13	4 19	1 33	0 55	15 21	0 41	19 58	0 55	1 37	1 39	3 35	2 48	16 16	0 41	22 26	1 3	2 6	16 15	19 5	19 23	9 19	9 3	0 21
T 20	2 31	11 46	4 51	2 30	0 46	15 47	0 44	20 8	0 56	1 34	1 39	3 34	2 48	16 15	0 41	22 26	1 3	2 7	16 16	19 8	19 24	9 22	9 4	0 21
W21	2 55	17 34	5 4	3 29	0 36	16 12	0 47	20 18	0 56	1 30	1 39	3 32	2 48	16 14	0 41	22 26	1 3	2 7	16 16	19 10	19 25	9 25	9 5	0 21
T 22	3 18	22 10	4 55	4 27	0 26	16 38	0 51	20 27	0 57	1 27	1 39	3 30	2 48	16 13	0 41	22 26	1 3	2 8	16 16	19 12	19 25	9 27	9 7	0 21
F 23	3 41	25 15	4 27	5 25	0 16	17 2	0 54	20 36	0 57	1 24	1 39	3 28	2 48	16 13	0 41	22 26	1 3	2 9	16 16	19 14	19 26	9 30	9 8	0 21
S 24	4 4	26 38	3 43	6 24	0 5	17 26	0 57	20 46	0 57	1 21	1 39	3 27	2 48	16 12	0 41	22 26	1 3	2 9	16 16	19 15	19 27	9 33	9 9	0 21
S 25	4 28	26 20	2 48	7 22	0n 6	17 50	1 0	20 55	0 58	1 18	1 39	3 25	2 48	16 11	0 41	22 26	1 3	2 10	16 17	19 15	19 28	9 36	9 11	0 21
M26	4 51	24 32	1 46	8 19	0 17	18 13	1 3	21 4	0 58	1 15	1 39	3 23	2 48	16 10	0 41	22 26	1 3	2 10	16 17	19 15	19 28	9 39	9 12	0 21
T 27	5 14	21 31	0 40	9 16	0 28	18 36	1 6	21 12	0 58	1 12	1 38	3 21	2 48	16 10	0 41	22 26	1 3	2 11	16 17	19 15	19 29	9 42	9 13	0 20
W28	5 36	17 34	0s26	10 12	0 39	18 59	1 10	21 21	0 59	1 9	1 38	3 19	2 48	16 9	0 41	22 26	1 3	2 12	16 17	19 15	19 30	9 45	9 15	0 20
T 29	5 59	12 58	1 30	11 7	0 50	19 21	1 13	21 29	0 59	1 6	1 38	3 18	2 48	16 8	0 41	22 26	1 3	2 12	16 17	19 15	19 31	9 48	9 16	0 20
F 30	6 22	7 55	2 29	12 0	1 1	19 42	1 16	21 37	0 59	1 3	1 38	3 16	2 48	16 8	0 41	22 27	1 3	2 13	16 17	19 16	19 31	9 51	9 17	0 20
S 31	6n45	2n39	3s20	12n51	1n12	20n 3	1n19	21n45	1n 0	1s 1	1n38	3s14	2n48	16s 7	0s41	22n27	1s 3	2n14	16n18	19s18	19s32	9s54	9n19	0n20

Julian Day Number = 2176218.5, Delta T = 11m53s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'41, Lahiri = 13°20'41 Julian Calendar 1 March 1246 == Greg. Calendar 8 March 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

APRIL 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 50	18♈ 4'14	27♍25	2♉29	24♉54	3♊19	6°R11	14°R37	18♒ 8	26♊30	4°R42	4°R 1	3♒ 6	13♎49	23♈ 7	S 1
M 2	13 8 46	19° 2'44	9♎17	4°20	26° 5	3°58	6♎ 3	14♎32	18°10	26°31	4♏40	3♒49	3° 3	13°56	23°11	M 2
T 3	13 12 43	20° 1'13	21° 9	6° 8	27°15	4°37	5°56	14°28	18°12	26°32	4°39	3°36	3° 0	14° 2	23°15	T 3
W 4	13 16 39	20°59'39	3♏ 3	7°52	28°26	5°15	5°49	14°23	18°14	26°33	4°37	3°22	2°56	14° 9	23°19	W 4
T 5	13 20 36	21°58'04	15° 1	9°32	29°36	5°54	5°42	14°19	18°16	26°34	4°35	3° 9	2°53	14°16	23°23	T 5
F 6	13 24 32	22°56'27	27° 3	11° 9	0♊46	6°33	5°34	14°14	18°18	26°36	4°34	2°57	2°50	14°23	23°27	F 6
S 7	13 28 29	23°54'48	9♐12	12°41	1°56	7°11	5°27	14°10	18°20	26°37	4°32	2°48	2°47	14°29	23°30	S 7
S 8	13 32 26	24°53'08	21°31	14°10	3° 6	7°50	5°20	14° 5	18°22	26°38	4°30	2°42	2°44	14°36	23°34	S 8
M 9	13 36 22	25°51'26	4♑ 1	15°34	4°16	8°29	5°14	14° 1	18°24	26°39	4°29	2°38	2°40	14°43	23°38	M 9
T 10	13 40 19	26°49'42	16°48	16°53	5°26	9° 7	5° 7	13°57	18°26	26°41	4°27	2°37	2°37	14°49	23°42	T 10
W11	13 44 15	27°47'57	29°54	18° 8	6°35	9°46	5° 0	13°52	18°27	26°42	4°25	2°36	2°34	14°56	23°46	W11
T 12	13 48 12	28°46'10	13♒24	19°19	7°45	10°25	4°54	13°48	18°29	26°43	4°24	2°36	2°31	15° 3	23°49	T 12
F 13	13 52 8	29°44'22	27°19	20°25	8°54	11° 3	4°47	13°43	18°31	26°45	4°22	2°35	2°28	15°10	23°53	F 13
S 14	13 56 5	0♉42'32	11♓41	21°26	10° 4	11°42	4°41	13°39	18°32	26°46	4°20	2°31	2°25	15°16	23°57	S 14
S 15	14 0 1	1°40'41	26°27	22°22	11°13	12°20	4°35	13°35	18°34	26°47	4°19	2°25	2°21	15°23	24° 1	S 15
M16	14 3 58	2°38'48	11♈33	23°13	12°22	12°59	4°28	13°31	18°35	26°49	4°17	2°16	2°18	15°30	24° 5	M16
T 17	14 7 54	3°36'54	26°48	23°59	13°31	13°37	4°22	13°27	18°37	26°50	4°15	2° 6	2°15	15°37	24° 9	T 17
W18	14 11 51	4°34'58	12♉ 2	24°41	14°40	14°16	4°17	13°22	18°38	26°52	4°14	1°55	2°12	15°43	24°12	W18
T 19	14 15 48	5°33'00	27° 5	25°17	15°48	14°54	4°11	13°18	18°40	26°53	4°12	1°44	2° 9	15°50	24°16	T 19
F 20	14 19 44	6°31'01	11♊46	25°48	16°57	15°33	4° 5	13°14	18°41	26°55	4°10	1°36	2° 6	15°57	24°20	F 20
S 21	14 23 41	7°29'00	26° 0	26°14	18° 6	16°11	4° 0	13°10	18°42	26°57	4° 9	1°30	2° 2	16° 3	24°24	S 21
S 22	14 27 37	8°26'57	9♋44	26°35	19°14	16°50	3°55	13° 6	18°43	26°58	4° 7	1°26	1°59	16°10	24°27	S 22
M23	14 31 34	9°24'52	22°59	26°51	20°22	17°28	3°49	13° 3	18°45	27° 0	4° 5	1°25	1°56	16°17	24°31	M23
T 24	14 35 30	10°22'45	5♌49	27° 1	21°30	18° 6	3°44	12°59	18°46	27° 1	4° 4	1°25	1°53	16°24	24°35	T 24
W25	14 39 27	11°20'37	18°17	27° 7	22°38	18°45	3°39	12°55	18°47	27° 3	4° 2	1°25	1°50	16°30	24°39	W25
T 26	14 43 24	12°18'26	0♍29	27°R 7	23°46	19°23	3°35	12°51	18°48	27° 5	4° 0	1°24	1°46	16°37	24°42	T 26
F 27	14 47 20	13°16'14	12°29	27° 3	24°53	20° 2	3°30	12°48	18°49	27° 6	3°59	1°20	1°43	16°44	24°46	F 27
S 28	14 51 17	14°14'00	24°23	26°54	26° 1	20°40	3°26	12°44	18°50	27° 8	3°57	1°15	1°40	16°50	24°50	S 28
S 29	14 55 13	15°11'45	6♎14	26°41	27° 8	21°18	3°21	12°41	18°51	27°10	3°55	1° 6	1°37	16°57	24°53	S 29
M30	14 59 10	16♉ 9'28	18♎ 6	26♉23	28♊15	21♊57	3♎17	12♎37	18♒52	27♊12	3♏54	0♒55	1♒34	17♎ 4	24♈57	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 7	2s40	4s 2	13n41	1n23	20n24	1n22	21n53	1n 0	0s58	1n38	3s12	2n48	16s 6	0s41	22n27	1s 3	2n14	16n18	19s20	19s33	9s57	9n20	0n20
M 2	7 29	7 53	4 34	14 28	1 33	20 44	1 25	22 1	1 0	0 55	1 38	3 11	2 48	16 6	0 41	22 27	1 3	2 15	16 18	19 23	19 33	10 0	9 21	0 20
T 3	7 51	12 48	4 53	15 14	1 42	21 3	1 28	22 8	1 1	0 52	1 38	3 9	2 48	16 5	0 41	22 27	1 3	2 16	16 18	19 26	19 34	10 2	9 23	0 20
W 4	8 14	17 16	5 0	15 57	1 52	21 22	1 31	22 16	1 1	0 49	1 38	3 7	2 48	16 5	0 41	22 27	1 3	2 16	16 18	19 29	19 35	10 5	9 24	0 20
T 5	8 36	21 5	4 54	16 38	2 0	21 40	1 34	22 23	1 1	0 46	1 38	3 5	2 48	16 4	0 41	22 27	1 3	2 17	16 18	19 32	19 36	10 8	9 25	0 20
F 6	8 57	24 2	4 34	17 16	2 8	21 58	1 37	22 30	1 1	0 44	1 38	3 4	2 48	16 3	0 41	22 27	1 3	2 17	16 18	19 35	19 36	10 11	9 27	0 20
S 7	9 19	25 55	4 2	17 52	2 16	22 15	1 39	22 37	1 2	0 41	1 38	3 2	2 48	16 3	0 41	22 27	1 3	2 18	16 18	19 37	19 37	10 14	9 28	0 20
S 8	9 40	26 34	3 19	18 25	2 22	22 32	1 42	22 44	1 2	0 38	1 37	3 0	2 48	16 2	0 41	22 27	1 3	2 18	16 18	19 38	19 38	10 17	9 30	0 20
M 9	10 2	25 53	2 25	18 55	2 28	22 48	1 45	22 50	1 2	0 36	1 37	2 59	2 48	16 2	0 41	22 27	1 3	2 19	16 18	19 39	19 39	10 20	9 31	0 20
T 10	10 23	23 51	1 23	19 23	2 33	23 4	1 48	22 56	1 3	0 33	1 37	2 57	2 48	16 1	0 41	22 27	1 3	2 20	16 18	19 39	19 39	10 23	9 32	0 19
W11	10 44	20 29	0 14	19 49	2 37	23 19	1 50	23 2	1 3	0 31	1 37	2 55	2 48	16 1	0 41	22 27	1 2	2 20	16 18	19 40	19 40	10 25	9 34	0 19
T 12	11 5	15 58	0n57	20 11	2 40	23 33	1 53	23 8	1 3	0 28	1 37	2 54	2 47	16 0	0 41	22 27	1 2	2 21	16 19	19 40	19 41	10 28	9 35	0 19
F 13	11 26	10 28	2 7	20 32	2 42	23 47	1 55	23 14	1 3	0 26	1 37	2 52	2 47	16 0	0 41	22 28	1 2	2 21	16 19	19 40	19 42	10 31	9 36	0 19
S 14	11 46	4 16	3 11	20 49	2 43	24 0	1 58	23 20	1 4	0 23	1 37	2 50	2 47	15 59	0 42	22 28	1 2	2 22	16 19	19 41	19 42	10 34	9 38	0 19
S 15	12 6	2n19	4 4	21 4	2 43	24 12	2 0	23 25	1 4	0 21	1 36	2 49	2 47	15 59	0 42	22 28	1 2	2 22	16 19	19 42	19 43	10 37	9 39	0 19
M16	12 26	8 53	4 41	21 17	2 43	24 24	2 3	23 30	1 4	0 19	1 36	2 47	2 47	15 59	0 42	22 28	1 2	2 23	16 18	19 44	19 44	10 40	9 40	0 19
T 17	12 46	15 1	4 59	21 26	2 41	24 35	2 5	23 36	1 4	0 17	1 36	2 46	2 47	15 58	0 42	22 28	1 2	2 23	16 18	19 46	19 44	10 43	9 42	0 19
W18	13 6	20 11	4 56	21 34	2 38	24 45	2 7	23 40	1 4	0 14	1 36	2 44	2 47	15 58	0 42	22 28	1 2	2 24	16 18	19 49	19 45	10 46	9 43	0 19
T 19	13 26	23 59	4 32	21 39	2 34	24 55	2 9	23 45	1 5	0 12	1 36	2 43	2 47	15 57	0 42	22 28	1 2	2 24	16 18	19 51	19 46	10 48	9 44	0 19
F 20	13 45	26 5	3 50	21 41	2 28	25 5	2 11	23 50	1 5	0 10	1 36	2 41	2 47	15 57	0 42	22 28	1 2	2 25	16 18	19 53	19 47	10 51	9 46	0 19
S 21	14 4	26 24	2 55	21 41	2 22	25 13	2 13	23 54	1 5	0 8	1 35	2 40	2 47	15 57	0 42	22 28	1 2	2 25	16 18	19 55	19 47	10 54	9 47	0 19
S 22	14 23	25 2	1 52	21 39	2 15	25 21	2 15	23 58	1 5	0 6	1 35	2 38	2 46	15 56	0 42	22 28	1 2	2 26	16 18	19 55	19 48	10 57	9 48	0 19
M23	14 41	22 18	0 44	21 35	2 6	25 28	2 17	24 2	1 6	0 4	1 35	2 37	2 46	15 56	0 42	22 28	1 2	2 26	16 18	19 56	19 49	11 0	9 50	0 19
T 24	15 0	18 31	0s23	21 28	1 56	25 35	2 19	24 6	1 6	0 3	1 35	2 36	2 46	15 56	0 42	22 28	1 2	2 27	16 18	19 56	19 49	11 3	9 51	0 18
W25	15 18	14 1	1 28	21 19	1 46	25 40	2 21	24 9	1 6	0 1	1 35	2 34	2 46	15 55	0 42	22 28	1 2	2 27	16 18	19 56	19 50	11 5	9 52	0 18
T 26	15 36	9 3	2 27	21 7	1 34	25 46	2 22	24 13	1 6	0n 1	1 34	2 33	2 46	15 55	0 42	22 28	1 2	2 27	16 18	19 56	19 51	11 8	9 54	0 18
F 27	15 53	3 50	3 19	20 54	1 21	25 50	2 24	24 16	1 6	0 3	1 34	2 32	2 46	15 55	0 42	22 29	1 2	2 28	16 18	19 57	19 52	11 11	9 55	0 18
S 28	16 11	1s27	4 1	20 38	1 7	25 54	2 25	24 19	1 6	0 4	1 34	2 31	2 46	15 54	0 42	22 29	1 2	2 28	16 17	19 58	19 52	11 14	9 56	0 18
S 29	16 28	6 40	4 33	20 21	0 53	25 57	2 27	24 22	1 7	0 6	1 34	2 29	2 45	15 54	0 42	22 29	1 2	2 29	16 17	20 0	19 53	11 17	9 57	0 18
M30	16n44	11s38	4s53	20n 2	0n37	26n 0	2n28	24n24	1n 7	0n 7	1n34	2s28	2n45	15s54	0s42	22n29	1s 2	2n29	16n17	20s 2	19s54	11s19	9n59	0n18

Julian Day Number = 2176249.5, Delta T = 11m53s
Ecliptic obliquity = 23°32'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'45, Lahiri = 13°20'45 Julian Calendar 1 Apr. 1246 == Greg. Calendar 8 Apr. 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

MAY 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 6	17♉ 7'09	29♎59	26°R 2	29♊22	22♊35	3°R13	12°R34	18♒52	27♊13	3°R52	0°R43	1♒31	17♎11	25♈ 1	T 1
W 2	15 7 3	18° 4'49	11♏59	25♉38	0♋29	23°13	3♎10	12♎30	18°53	27°15	3♏50	0♒30	1°27	17°17	25° 4	W 2
T 3	15 10 59	19° 2'28	24° 4	25°10	1°35	23°52	3° 6	12°27	18°54	27°17	3°49	0°18	1°24	17°24	25° 8	T 3
F 4	15 14 56	20° 0'05	6♐16	24°40	2°41	24°30	3° 3	12°24	18°55	27°19	3°47	0° 7	1°21	17°31	25°11	F 4
S 5	15 18 52	20°57'42	18°36	24° 8	3°48	25° 8	2°59	12°21	18°55	27°21	3°46	29♑58	1°18	17°37	25°15	S 5
S 6	15 22 49	21°55'17	1♑ 6	23°35	4°54	25°46	2°56	12°18	18°56	27°23	3°44	29°52	1°15	17°44	25°18	S 6
M 7	15 26 46	22°52'51	13°47	23° 1	5°59	26°25	2°53	12°15	18°56	27°25	3°42	29°49	1°12	17°51	25°22	M 7
T 8	15 30 42	23°50'24	26°41	22°27	7° 5	27° 3	2°50	12°12	18°57	27°26	3°41	29°D47	1° 8	17°58	25°25	T 8
W 9	15 34 39	24°47'56	9♒51	21°54	8°11	27°41	2°48	12° 9	18°57	27°28	3°39	29°48	1° 5	18° 4	25°29	W 9
T 10	15 38 35	25°45'27	23°20	21°21	9°16	28°19	2°45	12° 7	18°57	27°30	3°38	29°R48	1° 2	18°11	25°32	T 10
F 11	15 42 32	26°42'58	7♓ 9	20°50	10°21	28°57	2°43	12° 4	18°58	27°32	3°36	29°48	0°59	18°18	25°36	F 11
S 12	15 46 28	27°40'27	21°19	20°21	11°26	29°36	2°41	12° 2	18°58	27°34	3°35	29°46	0°56	18°24	25°39	S 12
S 13	15 50 25	28°37'56	5♈50	19°54	12°30	0♋14	2°39	11°59	18°58	27°36	3°33	29°41	0°52	18°31	25°43	S 13
M14	15 54 21	29°35'24	20°37	19°30	13°34	0°52	2°38	11°57	18°58	27°38	3°32	29°35	0°49	18°38	25°46	M14
T 15	15 58 18	0♊32'51	5♉34	19°10	14°39	1°30	2°36	11°55	18°59	27°40	3°30	29°26	0°46	18°45	25°49	T 15
W16	16 2 15	1°30'18	20°33	18°54	15°42	2° 8	2°35	11°52	18°59	27°42	3°29	29°18	0°43	18°51	25°53	W16
T 17	16 6 11	2°27'43	5♊24	18°41	16°46	2°47	2°34	11°50	18°R59	27°44	3°27	29° 9	0°40	18°58	25°56	T 17
F 18	16 10 8	3°25'08	19°59	18°32	17°49	3°25	2°33	11°48	18°59	27°46	3°26	29° 3	0°37	19° 5	25°59	F 18
S 19	16 14 4	4°22'32	4♋10	18°D28	18°53	4° 3	2°32	11°46	18°59	27°48	3°25	28°58	0°33	19°12	26° 2	S 19
S 20	16 18 1	5°19'55	17°56	18°28	19°55	4°41	2°31	11°44	18°58	27°51	3°23	28°55	0°30	19°18	26° 5	S 20
M21	16 21 57	6°17'16	1♌15	18°33	20°58	5°19	2°31	11°43	18°58	27°53	3°22	28°D55	0°27	19°25	26° 9	M21
T 22	16 25 54	7°14'37	14° 8	18°42	22° 0	5°57	2°30	11°41	18°58	27°55	3°21	28°56	0°24	19°32	26°12	T 22
W23	16 29 51	8°11'56	26°40	18°55	23° 2	6°35	2°D30	11°40	18°58	27°57	3°19	28°57	0°21	19°38	26°15	W23
T 24	16 33 47	9° 9'15	8♍54	19°14	24° 4	7°13	2°31	11°38	18°57	27°59	3°18	28°R57	0°18	19°45	26°18	T 24
F 25	16 37 44	10° 6'32	20°57	19°36	25° 5	7°51	2°31	11°37	18°57	28° 1	3°17	28°57	0°14	19°52	26°21	F 25
S 26	16 41 40	11° 3'48	2♎51	20° 3	26° 7	8°30	2°31	11°36	18°57	28° 3	3°15	28°54	0°11	19°59	26°24	S 26
S 27	16 45 37	12° 1'04	14°43	20°35	27° 7	9° 8	2°32	11°34	18°56	28° 5	3°14	28°50	0° 8	20° 5	26°27	S 27
M28	16 49 33	12°58'19	26°36	21°10	28° 8	9°46	2°33	11°33	18°56	28° 8	3°13	28°43	0° 5	20°12	26°30	M28
T 29	16 53 30	13°55'33	8♏34	21°50	29° 8	10°24	2°34	11°32	18°55	28°10	3°12	28°36	0° 2	20°19	26°33	T 29
W30	16 57 26	14°52'46	20°39	22°34	0♌ 7	11° 2	2°35	11°31	18°54	28°12	3°11	28°28	29♑58	20°25	26°35	W30
T 31	17 1 23	15♊49'59	2♐53	23♉22	1♌ 7	11♋40	2♎36	11♎31	18♒54	28♊14	3♏10	28♑20	29♑55	20♎32	26♈38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 1	16s12	5s 1	19n41	0n21	26n 1	2n29	24n27	1n 7	0n 8	1n33	2s27	2n45	15s54	0s42	22n29	1s 2	2n29	16n17	20s 5	19s54	11s22	10n 0	0n18
W 2	17 17	20 10	4 55	19 19	0 5	26 3	2 30	24 29	1 7	0 10	1 33	2 26	2 45	15 54	0 42	22 29	1 2	2 30	16 17	20 8	19 55	11 25	10 1	0 18
T 3	17 33	23 19	4 36	18 56	0s12	26 3	2 31	24 31	1 7	0 11	1 33	2 25	2 45	15 53	0 42	22 29	1 2	2 30	16 17	20 10	19 56	11 28	10 2	0 18
F 4	17 49	25 27	4 4	18 32	0 30	26 3	2 32	24 33	1 7	0 12	1 33	2 24	2 45	15 53	0 42	22 29	1 2	2 30	16 16	20 13	19 56	11 31	10 4	0 18
S 5	18 4	26 22	3 20	18 7	0 47	26 2	2 33	24 34	1 8	0 13	1 32	2 23	2 44	15 53	0 42	22 29	1 2	2 31	16 16	20 15	19 57	11 33	10 5	0 18
S 6	18 19	25 58	2 26	17 42	1 5	26 0	2 34	24 36	1 8	0 14	1 32	2 22	2 44	15 53	0 42	22 29	1 2	2 31	16 16	20 16	19 58	11 36	10 6	0 18
M 7	18 34	24 13	1 24	17 17	1 22	25 58	2 34	24 37	1 8	0 15	1 32	2 21	2 44	15 53	0 42	22 29	1 2	2 31	16 16	20 16	19 59	11 39	10 7	0 18
T 8	18 49	21 11	0 17	16 52	1 39	25 55	2 35	24 38	1 8	0 16	1 32	2 20	2 44	15 53	0 42	22 29	1 2	2 32	16 16	20 17	19 59	11 42	10 9	0 17
W 9	19 3	17 0	0n53	16 28	1 55	25 52	2 35	24 39	1 8	0 17	1 31	2 19	2 44	15 53	0 42	22 29	1 2	2 32	16 15	20 17	20 0	11 45	10 10	0 17
T 10	19 17	11 53	2 2	16 4	2 11	25 48	2 35	24 40	1 8	0 17	1 31	2 18	2 43	15 53	0 42	22 29	1 2	2 32	16 15	20 17	20 1	11 47	10 11	0 17
F 11	19 30	6 3	3 5	15 41	2 26	25 43	2 35	24 41	1 8	0 18	1 31	2 17	2 43	15 52	0 43	22 29	1 1	2 32	16 15	20 17	20 1	11 50	10 12	0 17
S 12	19 43	0n12	3 59	15 20	2 40	25 37	2 35	24 41	1 9	0 19	1 31	2 16	2 43	15 52	0 43	22 30	1 1	2 33	16 15	20 17	20 2	11 53	10 13	0 17
S 13	19 56	6 35	4 39	15 1	2 53	25 31	2 35	24 41	1 9	0 19	1 30	2 16	2 43	15 52	0 43	22 30	1 1	2 33	16 14	20 18	20 3	11 56	10 15	0 17
M14	20 9	12 43	5 1	14 43	3 5	25 25	2 35	24 41	1 9	0 20	1 30	2 15	2 43	15 52	0 43	22 30	1 1	2 33	16 14	20 19	20 3	11 58	10 16	0 17
T 15	20 21	18 11	5 2	14 27	3 16	25 17	2 34	24 41	1 9	0 20	1 30	2 14	2 42	15 52	0 43	22 30	1 1	2 33	16 14	20 21	20 4	12 1	10 17	0 17
W16	20 33	22 31	4 44	14 13	3 26	25 9	2 34	24 40	1 9	0 20	1 30	2 14	2 42	15 52	0 43	22 30	1 1	2 33	16 13	20 23	20 5	12 4	10 18	0 17
T 17	20 44	25 19	4 6	14 1	3 34	25 1	2 33	24 40	1 9	0 21	1 29	2 13	2 42	15 52	0 43	22 30	1 1	2 33	16 13	20 25	20 6	12 7	10 19	0 17
F 18	20 56	26 22	3 13	13 52	3 42	24 52	2 33	24 39	1 9	0 21	1 29	2 12	2 42	15 52	0 43	22 30	1 1	2 34	16 13	20 26	20 6	12 10	10 20	0 17
S 19	21 6	25 37	2 9	13 45	3 48	24 42	2 32	24 38	1 9	0 21	1 29	2 12	2 42	15 53	0 43	22 30	1 1	2 34	16 12	20 27	20 7	12 12	10 21	0 17
S 20	21 17	23 18	0 59	13 40	3 53	24 32	2 31	24 37	1 9	0 21	1 28	2 11	2 41	15 53	0 43	22 30	1 1	2 34	16 12	20 28	20 8	12 15	10 22	0 17
M21	21 27	19 46	0s13	13 38	3 56	24 21	2 29	24 35	1 10	0 21	1 28	2 11	2 41	15 53	0 43	22 30	1 1	2 34	16 12	20 28	20 8	12 18	10 24	0 17
T 22	21 37	15 22	1 21	13 38	3 59	24 10	2 28	24 34	1 10	0 21	1 28	2 10	2 41	15 53	0 43	22 30	1 1	2 34	16 11	20 28	20 9	12 20	10 25	0 17
W23	21 46	10 26	2 24	13 40	4 1	23 58	2 27	24 32	1 10	0 20	1 28	2 10	2 41	15 53	0 43	22 30	1 1	2 34	16 11	20 27	20 10	12 23	10 26	0 17
T 24	21 55	5 12	3 18	13 44	4 1	23 46	2 25	24 30	1 10	0 20	1 27	2 10	2 40	15 53	0 43	22 30	1 1	2 34	16 11	20 27	20 10	12 26	10 27	0 16
F 25	22 3	0s 7	4 3	13 51	4 0	23 33	2 23	24 28	1 10	0 20	1 27	2 9	2 40	15 53	0 43	22 30	1 1	2 34	16 10	20 27	20 11	12 29	10 28	0 16
S 26	22 12	5 22	4 37	14 0	3 59	23 20	2 21	24 26	1 10	0 19	1 27	2 9	2 40	15 53	0 43	22 30	1 1	2 34	16 10	20 28	20 12	12 31	10 29	0 16
S 27	22 19	10 24	4 58	14 10	3 56	23 6	2 19	24 23	1 10	0 19	1 27	2 9	2 40	15 54	0 43	22 30	1 1	2 34	16 9	20 29	20 12	12 34	10 30	0 16
M28	22 27	15 4	5 7	14 23	3 53	22 52	2 17	24 21	1 10	0 18	1 26	2 9	2 39	15 54	0 43	22 30	1 1	2 34	16 9	20 30	20 13	12 37	10 31	0 16
T 29	22 34	19 11	5 3	14 37	3 48	22 37	2 15	24 18	1 10	0 18	1 26	2 9	2 39	15 54	0 43	22 30	1 1	2 34	16 9	20 32	20 14	12 40	10 32	0 16
W30	22 41	22 34	4 45	14 54	3 43	22 22	2 12	24 15	1 10	0 17	1 26	2 8	2 39	15 54	0 43	22 30	1 1	2 34	16 8	20 33	20 14	12 42	10 33	0 16
T 31	22n47	24s58	4s14	15n11	3s37	22n 6	2n10	24n11	1n10	0n16	1n26	2s 8	2n39	15s54	0s43	22n31	1s 1	2n34	16n 8	20s35	20s15	12s45	10n34	0n16

Julian Day Number = 2176279.5, Delta T = 11m52s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'49, Lahiri = 13°20'49 Julian Calendar 1 May 1246 == Greg. Calendar 8 May 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

JUNE 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 5 20	16♊47'11	15♐17	24♉14	2♌ 6	12♋18	2♎38	11°R30	18°R53	28♊16	3°R 9	28°R14	29♑52	20♎39	26♈41	F 1
S 2	17 9 16	17°44'23	27°53	25°10	3° 4	12°56	2°40	11♎29	18♒52	28°19	3♏ 7	28♑ 9	29°49	20°46	26°44	S 2
S 3	17 13 13	18°41'35	10♑40	26°10	4° 2	13°34	2°41	11°29	18°52	28°21	3° 6	28° 5	29°46	20°52	26°46	S 3
M 4	17 17 9	19°38'46	23°39	27°14	5° 0	14°12	2°44	11°29	18°51	28°23	3° 5	28°D 4	29°43	20°59	26°49	M 4
T 5	17 21 6	20°35'57	6♒51	28°21	5°57	14°50	2°46	11°28	18°50	28°25	3° 4	28° 4	29°39	21° 6	26°52	T 5
W 6	17 25 2	21°33'07	20°15	29°33	6°54	15°28	2°48	11°28	18°49	28°27	3° 3	28° 5	29°36	21°13	26°54	W 6
T 7	17 28 59	22°30'18	3♓53	0♊47	7°50	16° 6	2°51	11°D28	18°48	28°30	3° 2	28° 7	29°33	21°19	26°57	T 7
F 8	17 32 55	23°27'29	17°45	2° 6	8°46	16°44	2°53	11°28	18°47	28°32	3° 2	28°R 8	29°30	21°26	26°59	F 8
S 9	17 36 52	24°24'40	1♈51	3°28	9°41	17°22	2°56	11°28	18°46	28°34	3° 1	28° 8	29°27	21°33	27° 2	S 9
S 10	17 40 49	25°21'50	16° 9	4°53	10°36	18° 0	2°59	11°28	18°45	28°36	3° 0	28° 6	29°23	21°39	27° 4	S 10
M11	17 44 45	26°19'01	0♉37	6°22	11°30	18°38	3° 3	11°29	18°44	28°39	2°59	28° 4	29°20	21°46	27° 6	M11
T 12	17 48 42	27°16'13	15°10	7°55	12°24	19°16	3° 6	11°29	18°43	28°41	2°58	28° 0	29°17	21°53	27° 9	T 12
W13	17 52 38	28°13'24	29°44	9°31	13°17	19°54	3°10	11°29	18°41	28°43	2°57	27°55	29°14	22° 0	27°11	W13
T 14	17 56 35	29°10'36	14♊11	11°10	14°10	20°32	3°13	11°30	18°40	28°45	2°57	27°51	29°11	22° 6	27°13	T 14
F 15	18 0 31	0♋ 7'47	28°26	12°52	15° 2	21°10	3°17	11°31	18°39	28°48	2°56	27°48	29° 8	22°13	27°15	F 15
S 16	18 4 28	1° 4'59	12♋23	14°38	15°54	21°48	3°21	11°32	18°37	28°50	2°55	27°46	29° 4	22°20	27°18	S 16
S 17	18 8 25	2° 2'10	26° 0	16°26	16°44	22°26	3°26	11°32	18°36	28°52	2°55	27°D45	29° 1	22°27	27°20	S 17
M18	18 12 21	2°59'22	9♌14	18°18	17°34	23° 4	3°30	11°33	18°35	28°54	2°54	27°46	28°58	22°33	27°22	M18
T 19	18 16 18	3°56'33	22° 7	20°12	18°24	23°42	3°35	11°35	18°33	28°56	2°53	27°47	28°55	22°40	27°24	T 19
W20	18 20 14	4°53'44	4♍40	22° 9	19°12	24°20	3°39	11°36	18°32	28°59	2°53	27°48	28°52	22°47	27°26	W20
T 21	18 24 11	5°50'55	16°56	24° 9	20° 0	24°58	3°44	11°37	18°30	29° 1	2°52	27°50	28°49	22°53	27°28	T 21
F 22	18 28 7	6°48'06	29° 1	26°10	20°47	25°36	3°49	11°38	18°29	29° 3	2°52	27°51	28°45	23° 0	27°29	F 22
S 23	18 32 4	7°45'17	10♎57	28°13	21°34	26°14	3°54	11°40	18°27	29° 5	2°51	27°R51	28°42	23° 7	27°31	S 23
S 24	18 36 0	8°42'28	22°50	0♋18	22°19	26°52	4° 0	11°41	18°25	29° 8	2°51	27°50	28°39	23°14	27°33	S 24
M25	18 39 57	9°39'40	4♏45	2°25	23° 4	27°30	4° 5	11°43	18°24	29°10	2°51	27°49	28°36	23°20	27°35	M25
T 26	18 43 54	10°36'51	16°45	4°32	23°47	28° 7	4°11	11°45	18°22	29°12	2°50	27°47	28°33	23°27	27°36	T 26
W27	18 47 50	11°34'02	28°55	6°40	24°30	28°45	4°16	11°47	18°20	29°14	2°50	27°44	28°29	23°34	27°38	W27
T 28	18 51 47	12°31'14	11♐17	8°49	25°12	29°23	4°22	11°49	18°19	29°16	2°50	27°42	28°26	23°40	27°40	T 28
F 29	18 55 43	13°28'26	23°53	10°57	25°52	0♌ 1	4°28	11°51	18°17	29°19	2°49	27°40	28°23	23°47	27°41	F 29
S 30	18 59 40	14♋25'38	6♑44	13♋ 6	26♌32	0♌39	4♎35	11♎53	18♒15	29♊21	2♏49	27♑39	28♑20	23♎54	27♈43	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n53	26s13	3s31	15n30	3s31	21n50	2n 7	24n 8	1n10	0n15	1n25	2s 8	2n38	15s55	0s43	22n31	1s 1	2n34	16n 7	20s36	20s16	12s48	10n35	0n16
S 2	22 58	26 7	2 36	15 51	3 23	21 34	2 4	24 4	1 10	0 14	1 25	2 8	2 38	15 55	0 43	22 31	1 1	2 34	16 7	20 37	20 16	12 50	10 36	0 16
S 3	23 3	24 39	1 33	16 13	3 15	21 17	2 1	24 1	1 10	0 13	1 25	2 8	2 38	15 55	0 43	22 31	1 1	2 34	16 7	20 38	20 17	12 53	10 37	0 16
M 4	23 8	21 51	0 24	16 35	3 7	21 0	1 57	23 57	1 11	0 12	1 24	2 8	2 38	15 55	0 43	22 31	1 1	2 34	16 6	20 38	20 18	12 56	10 37	0 16
T 5	23 12	17 52	0n48	16 59	2 58	20 42	1 54	23 53	1 11	0 11	1 24	2 9	2 37	15 56	0 43	22 31	1 1	2 34	16 6	20 38	20 18	12 58	10 38	0 16
W 6	23 16	12 56	1 58	17 24	2 48	20 24	1 50	23 48	1 11	0 10	1 24	2 9	2 37	15 56	0 44	22 31	1 1	2 34	16 5	20 38	20 19	13 1	10 39	0 16
T 7	23 20	7 17	3 3	17 49	2 38	20 6	1 46	23 44	1 11	0 9	1 24	2 9	2 37	15 56	0 44	22 31	1 1	2 34	16 5	20 37	20 20	13 4	10 40	0 16
F 8	23 23	1 13	3 58	18 16	2 27	19 47	1 42	23 39	1 11	0 7	1 23	2 9	2 37	15 57	0 44	22 31	1 1	2 33	16 4	20 37	20 20	13 6	10 41	0 15
S 9	23 25	5n 1	4 40	18 42	2 17	19 28	1 38	23 34	1 11	0 6	1 23	2 9	2 36	15 57	0 44	22 31	1 1	2 33	16 4	20 37	20 21	13 9	10 42	0 15
S 10	23 27	11 4	5 5	19 9	2 5	19 9	1 34	23 29	1 11	0 4	1 23	2 10	2 36	15 58	0 44	22 31	1 1	2 33	16 3	20 38	20 22	13 12	10 43	0 15
M11	23 29	16 35	5 12	19 36	1 54	18 50	1 29	23 24	1 11	0 3	1 23	2 10	2 36	15 58	0 44	22 31	1 1	2 33	16 3	20 38	20 22	13 14	10 43	0 15
T 12	23 31	21 12	4 58	20 3	1 42	18 30	1 24	23 19	1 11	0 1	1 22	2 11	2 36	15 58	0 44	22 31	1 1	2 33	16 2	20 39	20 23	13 17	10 44	0 15
W13	23 32	24 30	4 25	20 29	1 30	18 10	1 19	23 13	1 11	0s 1	1 22	2 11	2 35	15 59	0 44	22 31	1 1	2 33	16 2	20 40	20 24	13 20	10 45	0 15
T 14	23 32	26 10	3 36	20 55	1 18	17 50	1 14	23 8	1 11	0 2	1 22	2 11	2 35	15 59	0 44	22 31	1 1	2 32	16 1	20 41	20 24	13 22	10 46	0 15
F 15	23 32	26 5	2 34	21 21	1 6	17 29	1 9	23 2	1 11	0 4	1 21	2 12	2 35	16 0	0 44	22 31	1 1	2 32	16 1	20 41	20 25	13 25	10 46	0 15
S 16	23 32	24 20	1 23	21 46	0 53	17 9	1 3	22 56	1 11	0 6	1 21	2 12	2 35	16 0	0 44	22 31	1 1	2 32	16 0	20 42	20 26	13 28	10 47	0 15
S 17	23 31	21 12	0 10	22 10	0 41	16 48	0 58	22 50	1 11	0 8	1 21	2 13	2 34	16 0	0 44	22 31	1 1	2 31	16 0	20 42	20 26	13 30	10 48	0 15
M18	23 30	17 1	1s 3	22 32	0 29	16 27	0 52	22 43	1 11	0 10	1 21	2 14	2 34	16 1	0 44	22 31	1 1	2 31	15 59	20 42	20 27	13 33	10 48	0 15
T 19	23 29	12 9	2 10	22 54	0 17	16 6	0 46	22 37	1 11	0 12	1 20	2 14	2 34	16 1	0 44	22 31	1 1	2 31	15 59	20 41	20 28	13 36	10 49	0 15
W20	23 27	6 54	3 9	23 13	0 5	15 45	0 39	22 30	1 11	0 14	1 20	2 15	2 33	16 2	0 44	22 31	1 1	2 31	15 58	20 41	20 28	13 38	10 50	0 15
T 21	23 24	1 31	3 58	23 31	0n 6	15 23	0 33	22 23	1 11	0 16	1 20	2 16	2 33	16 2	0 44	22 31	1 1	2 30	15 58	20 41	20 29	13 41	10 50	0 15
F 22	23 22	3s49	4 36	23 46	0 17	15 2	0 26	22 16	1 11	0 18	1 20	2 17	2 33	16 3	0 44	22 31	1 1	2 30	15 57	20 41	20 30	13 43	10 51	0 15
S 23	23 19	8 58	5 1	23 59	0 28	14 40	0 19	22 9	1 11	0 21	1 19	2 17	2 33	16 3	0 44	22 31	1 1	2 30	15 57	20 41	20 30	13 46	10 52	0 15
S 24	23 15	13 46	5 14	24 10	0 38	14 19	0 12	22 2	1 11	0 23	1 19	2 18	2 32	16 4	0 44	22 31	1 1	2 29	15 56	20 41	20 31	13 49	10 52	0 14
M25	23 11	18 3	5 13	24 19	0 48	13 57	0 4	21 54	1 11	0 25	1 19	2 19	2 32	16 5	0 44	22 31	1 1	2 29	15 55	20 41	20 32	13 51	10 53	0 14
T 26	23 7	21 40	4 58	24 24	0 57	13 36	0s 3	21 47	1 11	0 28	1 19	2 20	2 32	16 5	0 44	22 31	1 1	2 28	15 55	20 41	20 32	13 54	10 53	0 14
W27	23 2	24 23	4 30	24 27	1 5	13 14	0 11	21 39	1 11	0 30	1 18	2 21	2 32	16 6	0 44	22 31	1 1	2 28	15 54	20 42	20 33	13 56	10 54	0 14
T 28	22 57	26 0	3 49	24 27	1 13	12 53	0 19	21 31	1 11	0 33	1 18	2 22	2 31	16 6	0 44	22 31	1 1	2 28	15 54	20 42	20 34	13 59	10 54	0 14
F 29	22 51	26 19	2 56	24 24	1 20	12 31	0 27	21 23	1 11	0 36	1 18	2 23	2 31	16 7	0 44	22 31	1 1	2 27	15 53	20 43	20 34	14 2	10 55	0 14
S 30	22n45	25s15	1s53	24n19	1n26	12n10	0s36	21n15	1n11	0s38	1n18	2s24	2n31	16s 7	0s44	22n31	1s 1	2n27	15n53	20s43	20s35	14s 4	10n55	0n14

Julian Day Number = 2176310.5, Delta T = 11m52s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'53, Lahiri = 13°20'54 Julian Calendar 1 June 1246 == Greg. Calendar 8 June 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

JULY 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 36	15♋22'51	19♉51	15♋14	27♌10	1♌17	4♎41	11♎55	18°R13	29♊23	2°R49	27°R38	28♉17	24♎ 1	27♈44	S 1
M 2	19 7 33	16°20'04	3♒13	17°21	27°48	1°55	4°47	11°58	18♒11	29°25	2♏49	27°D38	28°14	24° 7	27°45	M 2
T 3	19 11 29	17°17'18	16°49	19°28	28°24	2°33	4°54	12° 0	18° 9	29°27	2°49	27♉39	28°10	24°14	27°47	T 3
W 4	19 15 26	18°14'33	0♓36	21°33	28°59	3°11	5° 1	12° 2	18° 7	29°29	2°48	27°39	28° 7	24°21	27°48	W 4
T 5	19 19 23	19°11'48	14°34	23°38	29°32	3°49	5° 8	12° 5	18° 5	29°31	2°48	27°40	28° 4	24°28	27°49	T 5
F 6	19 23 19	20° 9'04	28°40	25°41	0♍ 5	4°27	5°15	12° 8	18° 3	29°34	2°D48	27°41	28° 1	24°34	27°50	F 6
S 7	19 27 16	21° 6'21	12♈51	27°43	0°35	5° 5	5°22	12°10	18° 1	29°36	2°48	27°41	27°58	24°41	27°51	S 7
S 8	19 31 12	22° 3'40	27° 5	29°43	1° 5	5°43	5°29	12°13	17°59	29°38	2°48	27°R41	27°55	24°48	27°52	S 8
M 9	19 35 9	23° 0'59	11♉20	1♌42	1°33	6°21	5°36	12°16	17°57	29°40	2°48	27°41	27°51	24°54	27°53	M 9
T 10	19 39 5	23°58'20	25°33	3°39	1°59	6°59	5°44	12°19	17°55	29°42	2°49	27°41	27°48	25° 1	27°54	T 10
W11	19 43 2	24°55'41	9♊40	5°35	2°24	7°37	5°52	12°22	17°53	29°44	2°49	27°40	27°45	25° 8	27°55	W11
T 12	19 46 58	25°53'04	23°40	7°29	2°47	8°15	5°59	12°26	17°51	29°46	2°49	27°40	27°42	25°15	27°56	T 12
F 13	19 50 55	26°50'28	7♋28	9°22	3° 9	8°53	6° 7	12°29	17°49	29°48	2°49	27°40	27°39	25°21	27°57	F 13
S 14	19 54 52	27°47'52	21° 2	11°12	3°29	9°31	6°15	12°32	17°46	29°50	2°49	27°40	27°36	25°28	27°57	S 14
S 15	19 58 48	28°45'18	4♌21	13° 2	3°46	10° 9	6°23	12°36	17°44	29°52	2°50	27°40	27°32	25°35	27°58	S 15
M16	20 2 45	29°42'44	17°23	14°49	4° 2	10°47	6°32	12°39	17°42	29°54	2°50	27°40	27°29	25°42	27°59	M16
T 17	20 6 41	0♌40'12	0♍ 8	16°35	4°16	11°25	6°40	12°43	17°40	29°56	2°50	27°40	27°26	25°48	27°59	T 17
W18	20 10 38	1°37'40	12°37	18°19	4°28	12° 3	6°48	12°47	17°37	29°58	2°51	27°39	27°23	25°55	28° 0	W18
T 19	20 14 34	2°35'09	24°52	20° 2	4°38	12°41	6°57	12°51	17°35	0♋ 0	2°51	27°39	27°20	26° 2	28° 0	T 19
F 20	20 18 31	3°32'39	6♎56	21°43	4°46	13°19	7° 6	12°54	17°33	0° 2	2°52	27°38	27°16	26° 8	28° 0	F 20
S 21	20 22 27	4°30'10	18°53	23°23	4°52	13°57	7°15	12°58	17°31	0° 4	2°52	27°37	27°13	26°15	28° 1	S 21
S 22	20 26 24	5°27'41	0♏46	25° 1	4°55	14°35	7°23	13° 2	17°28	0° 6	2°53	27°D37	27°10	26°22	28° 1	S 22
M23	20 30 21	6°25'14	12°41	26°37	4°R56	15°14	7°32	13° 7	17°26	0° 8	2°53	27°37	27° 7	26°29	28° 1	M23
T 24	20 34 17	7°22'47	24°41	28°12	4°55	15°52	7°42	13°11	17°24	0°10	2°54	27°38	27° 4	26°35	28° 1	T 24
W25	20 38 14	8°20'22	6♐52	29°45	4°52	16°30	7°51	13°15	17°21	0°11	2°54	27°38	27° 1	26°42	28° 1	W25
T 26	20 42 10	9°17'57	19°17	1♑17	4°46	17° 8	8° 0	13°19	17°19	0°13	2°55	27°39	26°57	26°49	28°R 1	T 26
F 27	20 46 7	10°15'34	1♉59	2°47	4°37	17°46	8°10	13°24	17°16	0°15	2°56	27°40	26°54	26°55	28° 1	F 27
S 28	20 50 3	11°13'12	15° 2	4°16	4°27	18°24	8°19	13°28	17°14	0°17	2°56	27°41	26°51	27° 2	28° 1	S 28
S 29	20 54 0	12°10'51	28°26	5°43	4°14	19° 2	8°29	13°33	17°12	0°19	2°57	27°R42	26°48	27° 9	28° 1	S 29
M30	20 57 56	13° 8'31	12♒ 9	7° 8	3°58	19°40	8°39	13°38	17° 9	0°20	2°58	27°41	26°45	27°16	28° 1	M30
T 31	21 1 53	14♌ 6'12	26♒11	8♍32	3♍40	20♌18	8♎48	13♎42	17♒ 7	0♋22	2♏59	27♉40	26♉41	27♎22	28♈ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n39	22s46	0s43	24n11	1n31	11n48	0s45	21n 6	1n11	0s41	1n17	2s25	2n31	16s 8	0s44	22n31	1s 1	2n26	15n52	20s43	20s35	14s 7	10n56	0n14
M 2	22 32	19 1	0n31	24 0	1 36	11 27	0 54	20 58	1 11	0 44	1 17	2 26	2 30	16 9	0 44	22 31	1 1	2 26	15 52	20 43	20 36	14 9	10 56	0 14
T 3	22 25	14 12	1 44	23 46	1 40	11 6	1 3	20 49	1 11	0 47	1 17	2 28	2 30	16 9	0 44	22 31	1 1	2 25	15 51	20 43	20 37	14 12	10 56	0 14
W 4	22 17	8 37	2 52	23 30	1 43	10 45	1 12	20 40	1 11	0 50	1 17	2 29	2 30	16 10	0 44	22 31	1 1	2 25	15 50	20 43	20 37	14 15	10 57	0 14
T 5	22 9	2 32	3 51	23 11	1 45	10 24	1 22	20 31	1 10	0 52	1 17	2 30	2 30	16 11	0 44	22 31	1 1	2 24	15 50	20 43	20 38	14 17	10 57	0 14
F 6	22 1	3n42	4 37	22 51	1 47	10 3	1 32	20 22	1 10	0 55	1 16	2 31	2 29	16 11	0 44	22 31	1 1	2 24	15 49	20 43	20 39	14 20	10 58	0 14
S 7	21 52	9 47	5 6	22 28	1 48	9 43	1 42	20 13	1 10	0 58	1 16	2 33	2 29	16 12	0 44	22 31	1 1	2 23	15 49	20 43	20 39	14 22	10 58	0 14
S 8	21 43	15 23	5 17	22 4	1 48	9 23	1 53	20 3	1 10	1 2	1 16	2 34	2 29	16 12	0 44	22 31	1 1	2 23	15 48	20 43	20 40	14 25	10 58	0 14
M 9	21 34	20 10	5 8	21 37	1 48	9 3	2 3	19 54	1 10	1 5	1 16	2 35	2 29	16 13	0 44	22 31	1 1	2 22	15 48	20 43	20 41	14 27	10 59	0 13
T 10	21 24	23 45	4 40	21 9	1 47	8 43	2 14	19 44	1 10	1 8	1 15	2 37	2 28	16 14	0 44	22 31	1 1	2 21	15 47	20 43	20 41	14 30	10 59	0 13
W11	21 14	25 52	3 56	20 39	1 46	8 24	2 25	19 34	1 10	1 11	1 15	2 38	2 28	16 14	0 44	22 31	1 1	2 21	15 46	20 43	20 42	14 32	10 59	0 13
T 12	21 3	26 20	2 57	20 8	1 43	8 5	2 36	19 24	1 10	1 14	1 15	2 40	2 28	16 15	0 45	22 31	1 1	2 20	15 46	20 43	20 42	14 35	10 59	0 13
F 13	20 53	25 9	1 50	19 36	1 41	7 47	2 48	19 14	1 10	1 18	1 15	2 41	2 28	16 16	0 45	22 31	1 1	2 20	15 45	20 43	20 43	14 37	10 59	0 13
S 14	20 41	22 29	0 37	19 3	1 37	7 29	3 0	19 4	1 10	1 21	1 15	2 43	2 27	16 17	0 45	22 31	1 1	2 19	15 45	20 43	20 44	14 40	11 0	0 13
S 15	20 30	18 39	0s37	18 28	1 34	7 11	3 11	18 54	1 10	1 25	1 14	2 44	2 27	16 17	0 45	22 31	1 1	2 18	15 44	20 43	20 44	14 43	11 0	0 13
M16	20 18	13 59	1 47	17 53	1 30	6 54	3 24	18 43	1 10	1 28	1 14	2 46	2 27	16 18	0 45	22 31	1 1	2 18	15 43	20 43	20 45	14 45	11 0	0 13
T 17	20 5	8 49	2 50	17 17	1 25	6 38	3 36	18 33	1 10	1 32	1 14	2 47	2 27	16 19	0 45	22 31	1 1	2 17	15 43	20 43	20 46	14 48	11 0	0 13
W18	19 53	3 24	3 44	16 40	1 20	6 22	3 48	18 22	1 10	1 35	1 14	2 49	2 27	16 19	0 45	22 31	1 1	2 16	15 42	20 43	20 46	14 50	11 0	0 13
T 19	19 40	2s 2	4 26	16 2	1 14	6 7	4 1	18 11	1 10	1 39	1 14	2 51	2 26	16 20	0 45	22 31	1 1	2 16	15 42	20 43	20 47	14 53	11 0	0 13
F 20	19 27	7 18	4 56	15 24	1 8	5 52	4 14	18 0	1 9	1 42	1 13	2 53	2 26	16 21	0 45	22 31	1 1	2 15	15 41	20 43	20 47	14 55	11 0	0 13
S 21	19 13	12 14	5 13	14 46	1 2	5 38	4 26	17 49	1 9	1 46	1 13	2 54	2 26	16 22	0 45	22 31	1 1	2 14	15 41	20 43	20 48	14 58	11 0	0 13
S 22	18 59	16 43	5 16	14 7	0 56	5 25	4 39	17 38	1 9	1 50	1 13	2 56	2 26	16 22	0 45	22 31	1 1	2 14	15 40	20 43	20 49	15 0	11 0	0 13
M23	18 45	20 33	5 6	13 28	0 49	5 12	4 52	17 26	1 9	1 53	1 13	2 58	2 25	16 23	0 45	22 31	1 1	2 13	15 39	20 43	20 49	15 3	11 0	0 13
T 24	18 30	23 34	4 42	12 48	0 42	5 0	5 5	17 15	1 9	1 57	1 13	3 0	2 25	16 24	0 45	22 31	1 1	2 12	15 39	20 43	20 50	15 5	11 0	0 13
W25	18 15	25 35	4 5	12 8	0 34	4 50	5 18	17 3	1 9	2 1	1 12	3 2	2 25	16 24	0 45	22 31	1 1	2 11	15 38	20 43	20 51	15 8	11 0	0 12
T 26	18 0	26 22	3 17	11 29	0 27	4 40	5 31	16 52	1 9	2 5	1 12	3 3	2 25	16 25	0 45	22 31	1 1	2 11	15 38	20 43	20 51	15 10	11 0	0 12
F 27	17 45	25 49	2 17	10 49	0 19	4 31	5 44	16 40	1 9	2 9	1 12	3 5	2 25	16 26	0 45	22 31	1 1	2 10	15 37	20 43	20 52	15 13	11 0	0 12
S 28	17 29	23 50	1 9	10 9	0 11	4 23	5 57	16 28	1 9	2 13	1 12	3 7	2 24	16 27	0 45	22 31	1 1	2 9	15 37	20 43	20 52	15 15	11 0	0 12
S 29	17 13	20 30	0n 4	9 29	0 2	4 15	6 10	16 16	1 9	2 17	1 12	3 9	2 24	16 27	0 45	22 31	1 1	2 8	15 36	20 43	20 53	15 17	11 0	0 12
M30	16 57	15 57	1 19	8 50	0s 6	4 9	6 22	16 4	1 8	2 21	1 11	3 11	2 24	16 28	0 45	22 31	1 1	2 8	15 35	20 43	20 54	15 20	11 0	0 12
T 31	16n40	10s29	2n31	8n10	0s15	4n 4	6s34	15n51	1n 8	2s25	1n11	3s13	2n24	16s29	0s45	22n31	1s 1	2n 7	15n35	20s43	20s54	15s22	11n 0	0n12

Julian Day Number = 2176340.5, Delta T = 11m52s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°13'57, Lahiri = 13°20'58 Julian Calendar 1 July 1246 == Greg. Calendar 8 July 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

AUGUST 1246 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 5 50	15♌ 3'55	10♓27	9♍53	3°R20	20♌56	8♎58	13♎47	17°R 5	0♋24	3♏ 0	27°R38	26♑38	27♎29	28°R 0	W 1
T 2	21 9 46	16° 1'40	24°52	11°14	2♍58	21°35	9° 8	13°52	17♒ 2	0°26	3° 0	27♑36	26°35	27°36	28♈ 0	T 2
F 3	21 13 43	16°59'26	9♈21	12°32	2°33	22°13	9°18	13°57	17° 0	0°27	3° 1	27°33	26°32	27°43	27°59	F 3
S 4	21 17 39	17°57'13	23°48	13°49	2° 7	22°51	9°29	14° 2	16°57	0°29	3° 2	27°31	26°29	27°49	27°59	S 4
S 5	21 21 36	18°55'03	8♉ 9	15° 4	1°39	23°29	9°39	14° 7	16°55	0°30	3° 3	27°30	26°26	27°56	27°58	S 5
M 6	21 25 32	19°52'54	22°20	16°17	1° 9	24° 7	9°49	14°12	16°53	0°32	3° 4	27°D30	26°22	28° 3	27°58	M 6
T 7	21 29 29	20°50'48	6♊21	17°28	0°37	24°46	10° 0	14°17	16°50	0°34	3° 5	27°30	26°19	28° 9	27°57	T 7
W 8	21 33 25	21°48'43	20° 9	18°37	0° 4	25°24	10°10	14°22	16°48	0°35	3° 6	27°32	26°16	28°16	27°56	W 8
T 9	21 37 22	22°46'40	3♋44	19°44	29♌30	26° 2	10°21	14°28	16°45	0°37	3° 7	27°33	26°13	28°23	27°56	T 9
F 10	21 41 19	23°44'39	17° 7	20°48	28°55	26°40	10°31	14°33	16°43	0°38	3° 9	27°34	26°10	28°30	27°55	F 10
S 11	21 45 15	24°42'40	0♌16	21°50	28°19	27°18	10°42	14°38	16°41	0°40	3°10	27°R35	26° 7	28°36	27°54	S 11
S 12	21 49 12	25°40'42	13°13	22°50	27°42	27°57	10°53	14°44	16°38	0°41	3°11	27°34	26° 3	28°43	27°53	S 12
M13	21 53 8	26°38'46	25°57	23°47	27° 5	28°35	11° 4	14°49	16°36	0°43	3°12	27°31	26° 0	28°50	27°52	M13
T 14	21 57 5	27°36'52	8♍30	24°41	26°28	29°13	11°15	14°55	16°34	0°44	3°13	27°28	25°57	28°57	27°51	T 14
W15	22 1 1	28°34'59	20°50	25°33	25°51	29°52	11°26	15° 1	16°31	0°45	3°15	27°23	25°54	29° 3	27°50	W15
T 16	22 4 58	29°33'08	3♎ 0	26°21	25°15	0♍30	11°37	15° 6	16°29	0°47	3°16	27°17	25°51	29°10	27°49	T 16
F 17	22 8 54	0♍31'19	15° 1	27° 5	24°39	1° 8	11°48	15°12	16°27	0°48	3°17	27°11	25°47	29°17	27°47	F 17
S 18	22 12 51	1°29'31	26°56	27°46	24° 3	1°47	12° 0	15°18	16°24	0°49	3°19	27° 6	25°44	29°23	27°46	S 18
S 19	22 16 48	2°27'45	8♏48	28°23	23°29	2°25	12°11	15°24	16°22	0°51	3°20	27° 2	25°41	29°30	27°45	S 19
M20	22 20 44	3°26'01	20°41	28°56	22°57	3° 3	12°23	15°30	16°20	0°52	3°22	27° 0	25°38	29°37	27°43	M20
T 21	22 24 41	4°24'18	2♐39	29°25	22°25	3°42	12°34	15°36	16°18	0°53	3°23	26°D59	25°35	29°44	27°42	T 21
W22	22 28 37	5°22'36	14°47	29°49	21°55	4°20	12°46	15°42	16°15	0°54	3°25	26°59	25°32	29°50	27°40	W22
T 23	22 32 34	6°20'56	27°10	0♎ 8	21°27	4°59	12°57	15°48	16°13	0°55	3°26	27° 0	25°28	29°57	27°39	T 23
F 24	22 36 30	7°19'18	9♑52	0°21	21° 1	5°37	13° 9	15°54	16°11	0°57	3°28	27° 2	25°25	0♏ 4	27°37	F 24
S 25	22 40 27	8°17'42	22°58	0°29	20°37	6°15	13°21	16° 0	16° 9	0°58	3°29	27°R 3	25°22	0°10	27°36	S 25
S 26	22 44 23	9°16'07	6♒29	0°R31	20°15	6°54	13°33	16° 6	16° 7	0°59	3°31	27° 3	25°19	0°17	27°34	S 26
M27	22 48 20	10°14'34	20°27	0°26	19°55	7°32	13°44	16°13	16° 4	1° 0	3°33	27° 1	25°16	0°24	27°32	M27
T 28	22 52 17	11°13'02	4♓48	0°15	19°38	8°11	13°56	16°19	16° 2	1° 1	3°34	26°56	25°13	0°31	27°31	T 28
W29	22 56 13	12°11'33	19°29	29♍57	19°23	8°49	14° 8	16°25	16° 0	1° 2	3°36	26°51	25° 9	0°37	27°29	W29
T 30	23 0 10	13°10'05	4♈21	29°32	19°10	9°28	14°20	16°32	15°58	1° 3	3°38	26°44	25° 6	0°44	27°27	T 30
F 31	23 4 6	14♍ 8'40	19♈16	29♍ 0	19♌ 0	10♍ 6	14♎32	16♎38	15♒56	1♋ 4	3♏39	26♑37	25♑ 3	0♏51	27♈25	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n23	4s22	3n34	7n31	0s24	4n 0	6s46	15n39	1n 8	2s29	1n11	3s15	2n24	16s30	0s45	22n31	1s 1	2n 6	15n34	20s43	20s55	15s25	11n 0	0n12
T 2	16 6	2n 0	4 25	6 52	0 33	3 58	6 58	15 27	1 8	2 33	1 11	3 17	2 23	16 30	0 45	22 31	1 1	2 5	15 34	20 44	20 55	15 27	10 59	0 12
F 3	15 48	8 17	4 59	6 14	0 42	3 56	7 9	15 14	1 8	2 37	1 11	3 19	2 23	16 31	0 45	22 31	1 1	2 4	15 33	20 44	20 56	15 30	10 59	0 12
S 4	15 31	14 8	5 14	5 36	0 52	3 55	7 20	15 1	1 8	2 41	1 11	3 22	2 23	16 32	0 45	22 31	1 1	2 4	15 33	20 45	20 57	15 32	10 59	0 12
S 5	15 13	19 9	5 9	4 58	1 1	3 56	7 30	14 49	1 8	2 46	1 10	3 24	2 23	16 32	0 45	22 31	1 1	2 3	15 32	20 45	20 57	15 35	10 59	0 12
M 6	14 55	23 2	4 46	4 21	1 11	3 57	7 39	14 36	1 8	2 50	1 10	3 26	2 23	16 33	0 45	22 31	1 1	2 2	15 32	20 45	20 58	15 37	10 58	0 12
T 7	14 36	25 29	4 5	3 45	1 20	4 0	7 48	14 23	1 7	2 54	1 10	3 28	2 22	16 34	0 45	22 31	1 1	2 1	15 31	20 45	20 58	15 39	10 58	0 12
W 8	14 18	26 21	3 11	3 9	1 30	4 3	7 56	14 10	1 7	2 58	1 10	3 30	2 22	16 35	0 45	22 31	1 1	2 0	15 30	20 44	20 59	15 42	10 58	0 11
T 9	13 59	25 36	2 7	2 34	1 39	4 8	8 4	13 57	1 7	3 3	1 10	3 32	2 22	16 35	0 45	22 31	1 1	1 59	15 30	20 44	21 0	15 44	10 57	0 11
F 10	13 40	23 23	0 57	1 59	1 49	4 14	8 11	13 44	1 7	3 7	1 10	3 35	2 22	16 36	0 45	22 31	1 1	1 58	15 29	20 44	21 0	15 47	10 57	0 11
S 11	13 20	19 56	0s15	1 26	1 59	4 20	8 16	13 30	1 7	3 11	1 9	3 37	2 22	16 37	0 45	22 31	1 1	1 58	15 29	20 44	21 1	15 49	10 57	0 11
S 12	13 1	15 34	1 25	0 54	2 8	4 28	8 21	13 17	1 7	3 16	1 9	3 39	2 22	16 38	0 45	22 31	1 1	1 57	15 28	20 44	21 1	15 51	10 56	0 11
M13	12 41	10 35	2 29	0 22	2 18	4 36	8 26	13 3	1 7	3 20	1 9	3 41	2 21	16 38	0 45	22 31	1 1	1 56	15 28	20 45	21 2	15 54	10 56	0 11
T 14	12 21	5 15	3 25	0s 8	2 27	4 46	8 29	12 50	1 6	3 25	1 9	3 44	2 21	16 39	0 45	22 31	1 1	1 55	15 27	20 45	21 3	15 56	10 55	0 11
W15	12 1	0s11	4 10	0 37	2 36	4 56	8 31	12 36	1 6	3 29	1 9	3 46	2 21	16 40	0 45	22 31	1 1	1 54	15 27	20 46	21 3	15 59	10 55	0 11
T 16	11 41	5 32	4 44	1 4	2 46	5 6	8 32	12 22	1 6	3 34	1 9	3 49	2 21	16 40	0 45	22 31	1 1	1 53	15 26	20 47	21 4	16 1	10 54	0 11
F 17	11 20	10 36	5 4	1 30	2 55	5 18	8 33	12 9	1 6	3 38	1 9	3 51	2 21	16 41	0 45	22 31	1 1	1 52	15 26	20 48	21 4	16 3	10 54	0 11
S 18	10 59	15 15	5 11	1 55	3 3	5 29	8 33	11 55	1 6	3 43	1 8	3 53	2 21	16 42	0 45	22 31	1 1	1 51	15 25	20 49	21 5	16 6	10 53	0 11
S 19	10 38	19 17	5 4	2 17	3 12	5 41	8 31	11 41	1 6	3 47	1 8	3 56	2 20	16 42	0 45	22 31	1 1	1 50	15 25	20 50	21 6	16 8	10 53	0 11
M20	10 17	22 34	4 45	2 38	3 20	5 54	8 29	11 27	1 5	3 52	1 8	3 58	2 20	16 43	0 45	22 31	1 1	1 49	15 24	20 51	21 6	16 11	10 52	0 11
T 21	9 56	24 54	4 13	2 56	3 28	6 7	8 26	11 12	1 5	3 56	1 8	4 1	2 20	16 44	0 45	22 31	1 1	1 48	15 24	20 51	21 7	16 13	10 52	0 11
W22	9 35	26 8	3 29	3 12	3 35	6 20	8 22	10 58	1 5	4 1	1 8	4 3	2 20	16 44	0 45	22 31	1 1	1 47	15 23	20 51	21 7	16 15	10 51	0 10
T 23	9 13	26 5	2 35	3 26	3 41	6 33	8 17	10 44	1 5	4 6	1 8	4 5	2 20	16 45	0 45	22 31	1 1	1 47	15 23	20 51	21 8	16 18	10 51	0 10
F 24	8 51	24 42	1 32	3 37	3 47	6 46	8 12	10 30	1 5	4 10	1 8	4 8	2 20	16 46	0 45	22 31	1 1	1 46	15 22	20 50	21 9	16 20	10 50	0 10
S 25	8 30	21 56	0 22	3 45	3 53	6 59	8 6	10 15	1 5	4 15	1 8	4 10	2 20	16 46	0 45	22 31	1 1	1 45	15 22	20 50	21 9	16 22	10 49	0 10
S 26	8 8	17 54	0n51	3 50	3 57	7 12	8 0	10 1	1 4	4 20	1 7	4 13	2 19	16 47	0 45	22 31	1 1	1 44	15 21	20 50	21 10	16 25	10 49	0 10
M27	7 46	12 47	2 3	3 51	4 1	7 25	7 52	9 46	1 4	4 25	1 7	4 16	2 19	16 48	0 45	22 31	1 2	1 43	15 21	20 51	21 10	16 27	10 48	0 10
T 28	7 23	6 51	3 10	3 49	4 3	7 38	7 45	9 32	1 4	4 29	1 7	4 18	2 19	16 48	0 45	22 31	1 2	1 42	15 20	20 51	21 11	16 29	10 47	0 10
W29	7 1	0 26	4 5	3 43	4 4	7 50	7 36	9 17	1 4	4 34	1 7	4 21	2 19	16 49	0 45	22 30	1 2	1 41	15 20	20 52	21 11	16 32	10 46	0 10
T 30	6 38	6n 5	4 44	3 32	4 4	8 2	7 28	9 2	1 4	4 39	1 7	4 23	2 19	16 49	0 45	22 30	1 2	1 40	15 20	20 54	21 12	16 34	10 46	0 10
F 31	6n16	12n16	5n 5	3s18	4s 2	8n14	7s19	8n47	1n 3	4s44	1n 7	4s26	2n19	16s50	0s45	22n30	1s 2	1n39	15n19	20s55	21s13	16s36	10n45	0n10

Julian Day Number = 2176371.5, Delta T = 11m52s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'02, Lahiri = 13°21'02 Julian Calendar 1 Aug. 1246 == Greg. Calendar 8 Aug. 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

SEPTEMBER 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 3	15♍ 7'17	4♉ 6	28°R21	18°R52	10♍45	14♎44	16♎45	15°R54	1♋ 5	3♏41	26°R30	25♑ 0	0♏58	27°R23	S 1
S 2	23 11 59	16° 5'56	18°43	27♍36	18♌47	11°23	14°57	16°51	15♒52	1° 5	3°43	26♑25	24°57	1° 4	27♈21	S 2
M 3	23 15 56	17° 4'37	3♊ 3	26°44	18°44	12° 2	15° 9	16°58	15°50	1° 6	3°45	26°23	24°53	1°11	27°19	M 3
T 4	23 19 52	18° 3'21	17° 2	25°48	18°D43	12°41	15°21	17° 4	15°48	1° 7	3°46	26°D22	24°50	1°18	27°17	T 4
W 5	23 23 49	19° 2'07	0♋42	24°47	18°45	13°19	15°33	17°11	15°47	1° 8	3°48	26°22	24°47	1°24	27°15	W 5
T 6	23 27 46	20° 0'55	14° 2	23°42	18°49	13°58	15°46	17°18	15°45	1° 9	3°50	26°23	24°44	1°31	27°13	T 6
F 7	23 31 42	20°59'46	27° 6	22°36	18°56	14°37	15°58	17°24	15°43	1° 9	3°52	26°R24	24°41	1°38	27°11	F 7
S 8	23 35 39	21°58'39	9♌56	21°30	19° 5	15°15	16°11	17°31	15°41	1°10	3°54	26°23	24°38	1°45	27° 8	S 8
S 9	23 39 35	22°57'34	22°33	20°25	19°15	15°54	16°23	17°38	15°39	1°11	3°56	26°19	24°34	1°51	27° 6	S 9
M10	23 43 32	23°56'31	5♍ 0	19°23	19°28	16°33	16°36	17°45	15°38	1°11	3°58	26°14	24°31	1°58	27° 4	M10
T 11	23 47 28	24°55'30	17°18	18°26	19°44	17°11	16°48	17°51	15°36	1°12	4° 0	26° 5	24°28	2° 5	27° 1	T 11
W12	23 51 25	25°54'32	29°28	17°36	20° 1	17°50	17° 1	17°58	15°34	1°12	4° 2	25°55	24°25	2°12	26°59	W12
T 13	23 55 21	26°53'35	11♎31	16°53	20°20	18°29	17°14	18° 5	15°33	1°13	4° 4	25°43	24°22	2°18	26°56	T 13
F 14	23 59 18	27°52'41	23°27	16°19	20°40	19° 8	17°26	18°12	15°31	1°13	4° 6	25°31	24°18	2°25	26°54	F 14
S 15	0 3 14	28°51'48	5♏20	15°55	21° 3	19°47	17°39	18°19	15°29	1°14	4° 8	25°20	24°15	2°32	26°52	S 15
S 16	0 7 11	29°50'58	17°10	15°41	21°28	20°25	17°52	18°26	15°28	1°14	4°10	25°11	24°12	2°38	26°49	S 16
M17	0 11 8	0♎50'09	29° 1	15°D37	21°54	21° 4	18° 5	18°33	15°26	1°14	4°12	25° 3	24° 9	2°45	26°46	M17
T 18	0 15 4	1°49'22	10♐57	15°44	22°21	21°43	18°17	18°40	15°25	1°15	4°14	24°59	24° 6	2°52	26°44	T 18
W19	0 19 1	2°48'37	23° 2	16° 2	22°51	22°22	18°30	18°47	15°24	1°15	4°17	24°57	24° 3	2°59	26°41	W19
T 20	0 22 57	3°47'54	5♑20	16°30	23°22	23° 1	18°43	18°54	15°22	1°15	4°19	24°D56	23°59	3° 5	26°39	T 20
F 21	0 26 54	4°47'13	17°57	17° 7	23°54	23°40	18°56	19° 1	15°21	1°15	4°21	24°R56	23°56	3°12	26°36	F 21
S 22	0 30 50	5°46'34	0♒59	17°52	24°28	24°19	19° 9	19° 8	15°20	1°16	4°23	24°56	23°53	3°19	26°33	S 22
S 23	0 34 47	6°45'56	14°27	18°46	25° 3	24°58	19°22	19°15	15°19	1°16	4°25	24°55	23°50	3°25	26°31	S 23
M24	0 38 43	7°45'20	28°26	19°48	25°39	25°37	19°35	19°22	15°17	1°16	4°27	24°51	23°47	3°32	26°28	M24
T 25	0 42 40	8°44'46	12♓53	20°55	26°17	26°16	19°48	19°29	15°16	1°16	4°30	24°45	23°44	3°39	26°25	T 25
W26	0 46 37	9°44'14	27°45	22° 9	26°56	26°55	20° 1	19°37	15°15	1°16	4°32	24°36	23°40	3°46	26°22	W26
T 27	0 50 33	10°43'44	12♈55	23°27	27°36	27°34	20°14	19°44	15°14	1°R16	4°34	24°25	23°37	3°52	26°19	T 27
F 28	0 54 30	11°43'16	28°11	24°50	28°18	28°13	20°27	19°51	15°13	1°16	4°36	24°14	23°34	3°59	26°17	F 28
S 29	0 58 26	12°42'50	13♉23	26°17	29° 0	28°52	20°40	19°58	15°12	1°16	4°39	24° 4	23°31	4° 6	26°14	S 29
S 30	1 2 23	13♎42'26	28♉20	27♍47	29♌44	29♍31	20♎53	20♎ 5	15♒11	1♋16	4♏41	23♑56	23♑28	4♏12	26♈11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n53	17n42	5n 5	3s 0	3s59	8n25	7s 9	8n32	1n 3	4s48	1n 7	4s28	2n19	16s51	0s45	22n30	1s 2	1n38	15n19	20s56	21s13	16s39	10n44	0n10
S 2	5 30	22 1	4 44	2 37	3 54	8 36	6 59	8 18	1 3	4 53	1 7	4 31	2 19	16 51	0 45	22 30	1 2	1 37	15 18	20 57	21 14	16 41	10 43	0 10
M 3	5 7	24 53	4 7	2 10	3 47	8 47	6 49	8 3	1 3	4 58	1 7	4 34	2 19	16 52	0 45	22 30	1 2	1 36	15 18	20 58	21 14	16 43	10 43	0 10
T 4	4 44	26 8	3 15	1 39	3 38	8 57	6 39	7 48	1 3	5 3	1 6	4 36	2 18	16 52	0 45	22 30	1 2	1 35	15 17	20 58	21 15	16 45	10 42	0 9
W 5	4 21	25 46	2 13	1 5	3 27	9 6	6 29	7 33	1 2	5 8	1 6	4 39	2 18	16 53	0 44	22 30	1 2	1 34	15 17	20 58	21 16	16 48	10 41	0 9
T 6	3 58	23 53	1 6	0 27	3 14	9 15	6 18	7 17	1 2	5 13	1 6	4 41	2 18	16 53	0 44	22 30	1 2	1 33	15 17	20 58	21 16	16 50	10 40	0 9
F 7	3 35	20 46	0s 4	0n12	2 59	9 23	6 8	7 2	1 2	5 18	1 6	4 44	2 18	16 54	0 44	22 30	1 2	1 32	15 16	20 58	21 17	16 52	10 39	0 9
S 8	3 12	16 41	1 12	0 53	2 43	9 30	5 57	6 47	1 2	5 22	1 6	4 47	2 18	16 54	0 44	22 30	1 2	1 31	15 16	20 58	21 17	16 55	10 38	0 9
S 9	2 48	11 55	2 15	1 35	2 25	9 37	5 46	6 32	1 2	5 27	1 6	4 49	2 18	16 55	0 44	22 30	1 2	1 30	15 16	20 58	21 18	16 57	10 37	0 9
M10	2 25	6 45	3 11	2 17	2 6	9 44	5 35	6 16	1 1	5 32	1 6	4 52	2 18	16 55	0 44	22 30	1 2	1 29	15 15	21 0	21 18	16 59	10 36	0 9
T 11	2 1	1 24	3 57	2 57	1 47	9 49	5 24	6 1	1 1	5 37	1 6	4 55	2 18	16 56	0 44	22 30	1 2	1 28	15 15	21 1	21 19	17 1	10 36	0 9
W12	1 38	3s56	4 32	3 36	1 26	9 54	5 14	5 46	1 1	5 42	1 6	4 57	2 18	16 56	0 44	22 30	1 2	1 27	15 14	21 3	21 19	17 4	10 35	0 9
T 13	1 14	9 4	4 54	4 11	1 6	9 59	5 3	5 30	1 1	5 47	1 6	5 0	2 18	16 57	0 44	22 30	1 2	1 26	15 14	21 5	21 20	17 6	10 34	0 9
F 14	0 51	13 49	5 2	4 43	0 46	10 3	4 52	5 15	1 0	5 52	1 5	5 3	2 18	16 57	0 44	22 30	1 2	1 25	15 14	21 7	21 21	17 8	10 33	0 9
S 15	0 27	18 2	4 58	5 10	0 26	10 6	4 41	4 59	1 0	5 57	1 5	5 6	2 17	16 58	0 44	22 30	1 2	1 24	15 13	21 10	21 21	17 10	10 32	0 9
S 16	0 4	21 31	4 41	5 33	0 8	10 8	4 30	4 44	1 0	6 2	1 5	5 8	2 17	16 58	0 44	22 30	1 2	1 23	15 13	21 11	21 22	17 13	10 31	0 9
M17	0s20	24 7	4 12	5 51	0n10	10 10	4 20	4 28	1 0	6 7	1 5	5 11	2 17	16 59	0 44	22 30	1 2	1 22	15 13	21 13	21 22	17 15	10 30	0 8
T 18	0 44	25 40	3 31	6 3	0 27	10 11	4 9	4 12	0 59	6 12	1 5	5 14	2 17	16 59	0 44	22 30	1 2	1 21	15 12	21 13	21 23	17 17	10 29	0 8
W19	1 7	26 2	2 41	6 11	0 42	10 12	3 59	3 57	0 59	6 17	1 5	5 16	2 17	16 59	0 44	22 30	1 2	1 20	15 12	21 14	21 23	17 19	10 28	0 8
T 20	1 31	25 8	1 42	6 13	0 56	10 12	3 48	3 41	0 59	6 22	1 5	5 19	2 17	17 0	0 44	22 30	1 2	1 19	15 12	21 14	21 24	17 22	10 27	0 8
F 21	1 55	22 56	0 37	6 10	1 9	10 11	3 38	3 25	0 59	6 27	1 5	5 22	2 17	17 0	0 44	22 30	1 2	1 18	15 11	21 14	21 24	17 24	10 26	0 8
S 22	2 18	19 30	0n32	6 2	1 20	10 9	3 28	3 10	0 58	6 32	1 5	5 25	2 17	17 0	0 44	22 30	1 2	1 17	15 11	21 14	21 25	17 26	10 25	0 8
S 23	2 42	14 57	1 42	5 50	1 29	10 7	3 18	2 54	0 58	6 37	1 5	5 27	2 17	17 1	0 44	22 30	1 2	1 16	15 11	21 14	21 26	17 28	10 24	0 8
M24	3 5	9 27	2 47	5 33	1 37	10 5	3 8	2 38	0 58	6 42	1 5	5 30	2 17	17 1	0 44	22 30	1 2	1 15	15 11	21 15	21 26	17 30	10 22	0 8
T 25	3 29	3 17	3 45	5 13	1 44	10 1	2 58	2 22	0 58	6 46	1 5	5 33	2 17	17 1	0 44	22 30	1 2	1 14	15 10	21 16	21 27	17 33	10 21	0 8
W26	3 52	3n13	4 29	4 48	1 50	9 57	2 48	2 7	0 57	6 51	1 5	5 35	2 17	17 2	0 44	22 30	1 2	1 14	15 10	21 17	21 27	17 35	10 20	0 8
T 27	4 16	9 38	4 55	4 21	1 54	9 52	2 38	1 51	0 57	6 56	1 5	5 38	2 17	17 2	0 44	22 30	1 2	1 13	15 10	21 19	21 28	17 37	10 19	0 8
F 28	4 39	15 32	5 0	3 51	1 57	9 47	2 29	1 35	0 57	7 1	1 5	5 41	2 17	17 2	0 44	22 30	1 2	1 12	15 10	21 21	21 28	17 39	10 18	0 8
S 29	5 3	20 26	4 44	3 19	2 0	9 41	2 20	1 19	0 57	7 6	1 5	5 44	2 17	17 3	0 44	22 30	1 2	1 11	15 9	21 23	21 29	17 41	10 17	0 7
S 30	5s26	23n55	4n 9	2n44	2n 1	9n35	2s11	1n 3	0n56	7s11	1n 4	5s46	2n17	17s 3	0s44	22n30	1s 2	1n10	15n 9	21s25	21s29	17s43	10n16	0n 7

Julian Day Number = 2176402.5, Delta T = 11m52s
Ecliptic obliquity = 23°32'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'06, Lahiri = 13°21'06 Julian Calendar 1 Sept. 1246 == Greg. Calendar 8 Sept. 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

OCTOBER 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 6 19	14♎42'05	12♊55	29♍19	0♍28	0♎10	21♎ 6	20♎12	15°R10	1°R16	4♏43	23°R51	23♑24	4♏19	26°R 8	M 1
T 2	1 10 16	15°41'46	27° 4	0♎54	1°14	0°49	21°19	20°20	15♒10	1♋16	4°46	23♑48	23°21	4°26	26♈ 5	T 2
W 3	1 14 12	16°41'30	10♋46	2°30	2° 0	1°28	21°32	20°27	15° 9	1°16	4°48	23°47	23°18	4°33	26° 2	W 3
T 4	1 18 9	17°41'16	24° 4	4° 7	2°48	2° 8	21°45	20°34	15° 8	1°15	4°50	23°47	23°15	4°39	25°59	T 4
F 5	1 22 6	18°41'04	7♌ 1	5°46	3°36	2°47	21°58	20°41	15° 7	1°15	4°53	23°46	23°12	4°46	25°56	F 5
S 6	1 26 2	19°40'54	19°39	7°25	4°25	3°26	22°12	20°49	15° 7	1°15	4°55	23°44	23° 9	4°53	25°53	S 6
S 7	1 29 59	20°40'46	2♍ 4	9° 5	5°15	4° 5	22°25	20°56	15° 6	1°15	4°57	23°40	23° 5	5° 0	25°51	S 7
M 8	1 33 55	21°40'41	14°18	10°45	6° 6	4°45	22°38	21° 3	15° 6	1°14	5° 0	23°32	23° 2	5° 6	25°48	M 8
T 9	1 37 52	22°40'38	26°24	12°26	6°58	5°24	22°51	21°10	15° 5	1°14	5° 2	23°22	22°59	5°13	25°45	T 9
W10	1 41 48	23°40'36	8♎24	14° 6	7°50	6° 3	23° 4	21°17	15° 5	1°13	5° 5	23° 9	22°56	5°20	25°42	W10
T 11	1 45 45	24°40'37	20°20	15°47	8°43	6°43	23°17	21°25	15° 4	1°13	5° 7	22°54	22°53	5°26	25°39	T 11
F 12	1 49 41	25°40'40	2♏13	17°27	9°36	7°22	23°30	21°32	15° 4	1°13	5° 9	22°39	22°50	5°33	25°36	F 12
S 13	1 53 38	26°40'45	14° 5	19° 7	10°31	8° 1	23°44	21°39	15° 4	1°12	5°12	22°25	22°46	5°40	25°33	S 13
S 14	1 57 35	27°40'51	25°56	20°47	11°26	8°41	23°57	21°46	15° 3	1°11	5°14	22°13	22°43	5°47	25°30	S 14
M15	2 1 31	28°41'00	7♐49	22°27	12°21	9°20	24°10	21°53	15° 3	1°11	5°17	22° 3	22°40	5°53	25°27	M15
T 16	2 5 28	29°41'10	19°46	24° 6	13°17	10° 0	24°23	22° 1	15° 3	1°10	5°19	21°56	22°37	6° 0	25°24	T 16
W17	2 9 24	0♏41'22	1♑51	25°45	14°14	10°39	24°36	22° 8	15° 3	1°10	5°21	21°53	22°34	6° 7	25°21	W17
T 18	2 13 21	1°41'35	14° 8	27°24	15°11	11°19	24°49	22°15	15°D 3	1° 9	5°24	21°51	22°30	6°13	25°18	T 18
F 19	2 17 17	2°41'50	26°41	29° 2	16° 9	11°58	25° 2	22°22	15° 3	1° 8	5°26	21°51	22°27	6°20	25°15	F 19
S 20	2 21 14	3°42'06	9♒36	0♏40	17° 7	12°38	25°15	22°29	15° 3	1° 8	5°29	21°51	22°24	6°27	25°12	S 20
S 21	2 25 10	4°42'24	22°56	2°18	18° 6	13°18	25°29	22°36	15° 3	1° 7	5°31	21°50	22°21	6°34	25° 9	S 21
M22	2 29 7	5°42'44	6♓45	3°55	19° 6	13°57	25°42	22°43	15° 3	1° 6	5°34	21°47	22°18	6°40	25° 6	M22
T 23	2 33 4	6°43'04	21° 4	5°32	20° 5	14°37	25°55	22°50	15° 4	1° 5	5°36	21°41	22°15	6°47	25° 3	T 23
W24	2 37 0	7°43'26	5♈51	7° 8	21° 6	15°16	26° 8	22°58	15° 4	1° 4	5°38	21°32	22°11	6°54	25° 1	W24
T 25	2 40 57	8°43'50	20°59	8°44	22° 6	15°56	26°21	23° 5	15° 4	1° 3	5°41	21°22	22° 8	7° 0	24°58	T 25
F 26	2 44 53	9°44'16	6♉19	10°20	23° 7	16°36	26°34	23°12	15° 5	1° 3	5°43	21°12	22° 5	7° 7	24°55	F 26
S 27	2 48 50	10°44'43	21°40	11°56	24° 9	17°16	26°47	23°19	15° 5	1° 2	5°46	21° 1	22° 2	7°14	24°52	S 27
S 28	2 52 46	11°45'11	6♊51	13°31	25°11	17°55	27° 0	23°26	15° 6	1° 1	5°48	20°53	21°59	7°21	24°49	S 28
M29	2 56 43	12°45'42	21°40	15° 6	26°13	18°35	27°13	23°33	15° 6	1° 0	5°51	20°47	21°56	7°27	24°46	M29
T 30	3 0 39	13°46'14	6♋ 3	16°41	27°16	19°15	27°25	23°40	15° 7	0°59	5°53	20°44	21°52	7°34	24°44	T 30
W31	3 4 36	14♏46'49	19♋56	18♏15	28♍19	19♎55	27♎38	23♎46	15♒ 7	0♋58	5♏55	20°D44	21♑49	7♏41	24♈41	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s49	25n43	3n18	2n 7	2n 1	9n27	2s 2	0n47	0n56	7s16	1n 4	5s49	2n17	17s 3	0s44	22n30	1s 2	1n 9	15n 9	21s25	21s30	17s46	10n15	0n 7
T 2	6 12	25 46	2 16	1 29	2 1	9 20	1 53	0 31	0 56	7 21	1 4	5 52	2 17	17 3	0 44	22 30	1 2	1 8	15 9	21 26	21 31	17 48	10 14	0 7
W 3	6 35	24 14	1 8	0 50	1 59	9 11	1 44	0 15	0 55	7 26	1 4	5 55	2 17	17 3	0 44	22 29	1 2	1 7	15 9	21 26	21 31	17 50	10 12	0 7
T 4	6 58	21 22	0s 2	0 9	1 57	9 2	1 36	0s 0	0 55	7 31	1 4	5 57	2 17	17 4	0 44	22 29	1 2	1 6	15 8	21 26	21 32	17 52	10 11	0 7
F 5	7 21	17 29	1 9	0s33	1 55	8 52	1 27	0 16	0 55	7 36	1 4	6 0	2 17	17 4	0 44	22 29	1 3	1 5	15 8	21 26	21 32	17 54	10 10	0 7
S 6	7 44	12 54	2 12	1 15	1 52	8 42	1 19	0 32	0 54	7 41	1 4	6 3	2 17	17 4	0 44	22 29	1 3	1 4	15 8	21 27	21 33	17 56	10 9	0 7
S 7	8 6	7 52	3 7	1 58	1 48	8 32	1 11	0 48	0 54	7 46	1 4	6 5	2 17	17 4	0 44	22 29	1 3	1 3	15 8	21 27	21 33	17 59	10 8	0 7
M 8	8 29	2 38	3 53	2 41	1 44	8 20	1 3	1 4	0 54	7 51	1 4	6 8	2 17	17 4	0 44	22 29	1 3	1 2	15 8	21 29	21 34	18 1	10 7	0 7
T 9	8 51	2s39	4 27	3 24	1 40	8 8	0 55	1 20	0 54	7 56	1 4	6 11	2 17	17 4	0 44	22 29	1 3	1 1	15 7	21 30	21 34	18 3	10 6	0 7
W10	9 14	7 46	4 49	4 8	1 35	7 56	0 47	1 36	0 53	8 1	1 4	6 14	2 17	17 4	0 44	22 29	1 3	1 1	15 7	21 33	21 35	18 5	10 4	0 7
T 11	9 36	12 35	4 59	4 51	1 30	7 43	0 40	1 52	0 53	8 6	1 4	6 16	2 17	17 5	0 44	22 29	1 3	1 0	15 7	21 35	21 35	18 7	10 3	0 7
F 12	9 58	16 54	4 55	5 35	1 24	7 30	0 33	2 8	0 53	8 10	1 4	6 19	2 17	17 5	0 43	22 29	1 3	0 59	15 7	21 38	21 36	18 9	10 2	0 6
S 13	10 20	20 33	4 38	6 18	1 19	7 16	0 25	2 24	0 52	8 15	1 4	6 22	2 17	17 5	0 43	22 29	1 3	0 58	15 7	21 40	21 36	18 11	10 1	0 6
S 14	10 41	23 22	4 10	7 1	1 13	7 1	0 18	2 40	0 52	8 20	1 4	6 24	2 17	17 5	0 43	22 29	1 3	0 57	15 7	21 42	21 37	18 13	10 0	0 6
M15	11 3	25 9	3 30	7 44	1 7	6 47	0 11	2 56	0 52	8 25	1 4	6 27	2 17	17 5	0 43	22 29	1 3	0 56	15 7	21 43	21 37	18 15	9 59	0 6
T 16	11 24	25 49	2 41	8 27	1 1	6 31	0 5	3 11	0 51	8 30	1 4	6 30	2 17	17 5	0 43	22 29	1 3	0 55	15 7	21 45	21 38	18 17	9 57	0 6
W17	11 46	25 15	1 44	9 9	0 54	6 15	0n 2	3 27	0 51	8 35	1 4	6 32	2 17	17 5	0 43	22 29	1 3	0 54	15 6	21 45	21 38	18 20	9 56	0 6
T 18	12 7	23 28	0 41	9 51	0 48	5 59	0 8	3 43	0 51	8 40	1 4	6 35	2 17	17 5	0 43	22 29	1 3	0 54	15 6	21 45	21 39	18 22	9 55	0 6
F 19	12 28	20 29	0n26	10 32	0 41	5 42	0 14	3 59	0 50	8 44	1 4	6 37	2 17	17 5	0 43	22 29	1 3	0 53	15 6	21 45	21 40	18 24	9 54	0 6
S 20	12 48	16 26	1 33	11 13	0 35	5 25	0 21	4 15	0 50	8 49	1 4	6 40	2 17	17 5	0 43	22 29	1 3	0 52	15 6	21 45	21 40	18 26	9 53	0 6
S 21	13 9	11 28	2 37	11 53	0 28	5 8	0 27	4 30	0 50	8 54	1 4	6 43	2 17	17 4	0 43	22 29	1 3	0 51	15 6	21 46	21 41	18 28	9 52	0 6
M22	13 29	5 45	3 34	12 32	0 22	4 50	0 32	4 46	0 49	8 59	1 4	6 45	2 17	17 4	0 43	22 29	1 3	0 50	15 6	21 46	21 41	18 30	9 51	0 6
T 23	13 49	0n25	4 20	13 11	0 15	4 31	0 38	5 2	0 49	9 3	1 4	6 48	2 17	17 4	0 43	22 29	1 3	0 50	15 6	21 47	21 42	18 32	9 49	0 5
W24	14 9	6 46	4 50	13 49	0 8	4 13	0 43	5 18	0 48	9 8	1 4	6 50	2 17	17 4	0 43	22 29	1 3	0 49	15 6	21 48	21 42	18 34	9 48	0 5
T 25	14 28	12 52	5 1	14 27	0 2	3 53	0 49	5 33	0 48	9 13	1 4	6 53	2 17	17 4	0 43	22 29	1 3	0 48	15 6	21 50	21 43	18 36	9 47	0 5
F 26	14 47	18 15	4 51	15 4	0s 5	3 34	0 54	5 49	0 48	9 18	1 4	6 56	2 17	17 4	0 43	22 29	1 3	0 47	15 6	21 52	21 43	18 38	9 46	0 5
S 27	15 7	22 26	4 20	15 40	0 12	3 14	0 59	6 5	0 47	9 22	1 4	6 58	2 17	17 4	0 43	22 29	1 3	0 46	15 6	21 53	21 44	18 40	9 45	0 5
S 28	15 25	25 0	3 31	16 15	0 18	2 54	1 4	6 20	0 47	9 27	1 4	7 1	2 17	17 4	0 43	22 29	1 3	0 46	15 6	21 54	21 44	18 42	9 44	0 5
M29	15 44	25 44	2 28	16 50	0 25	2 33	1 9	6 36	0 47	9 32	1 4	7 3	2 17	17 3	0 43	22 29	1 3	0 45	15 6	21 55	21 45	18 44	9 43	0 5
T 30	16 2	24 41	1 17	17 23	0 31	2 13	1 13	6 51	0 46	9 36	1 4	7 6	2 17	17 3	0 43	22 29	1 3	0 44	15 6	21 56	21 45	18 46	9 42	0 5
W31	16s20	22n 7	0n 4	17s56	0s38	1n52	1n18	7s 7	0n46	9s41	1n 4	7s 8	2n17	17s 3	0s43	22n29	1s 3	0n43	15n 6	21s56	21s46	18s48	9n40	0n 5

Julian Day Number = 2176432.5, Delta T = 11m52s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'10, Lahiri = 13°21'10 Julian Calendar 1 Oct. 1246 == Greg. Calendar 8 Oct. 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

NOVEMBER 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 33	15♏47'25	3♌21	19♏49	29♍22	20♎35	27♎51	23♎53	15♒ 8	0°R57	5♏58	20♑44	21♑46	7♏48	24°R38	T 1
F 2	3 12 29	16°48'02	16°20	21°23	0♎26	21°14	28° 4	24° 0	15° 9	0♋55	6° 0	20°R44	21°43	7°54	24♈36	F 2
S 3	3 16 26	17°48'42	28°58	22°57	1°30	21°54	28°17	24° 7	15°10	0°54	6° 3	20°44	21°40	8° 1	24°33	S 3
S 4	3 20 22	18°49'23	11♍19	24°31	2°35	22°34	28°30	24°14	15°10	0°53	6° 5	20°41	21°36	8° 8	24°30	S 4
M 5	3 24 19	19°50'06	23°27	26° 4	3°39	23°14	28°42	24°21	15°11	0°52	6° 7	20°36	21°33	8°14	24°28	M 5
T 6	3 28 15	20°50'50	5♎27	27°37	4°44	23°54	28°55	24°27	15°12	0°51	6°10	20°28	21°30	8°21	24°25	T 6
W 7	3 32 12	21°51'36	17°21	29°11	5°50	24°34	29° 8	24°34	15°13	0°50	6°12	20°18	21°27	8°28	24°22	W 7
T 8	3 36 8	22°52'23	29°13	0♐44	6°55	25°14	29°20	24°41	15°14	0°48	6°14	20° 7	21°24	8°35	24°20	T 8
F 9	3 40 5	23°53'12	11♏ 5	2°17	8° 1	25°54	29°33	24°47	15°15	0°47	6°17	19°55	21°21	8°41	24°17	F 9
S 10	3 44 2	24°54'02	22°58	3°49	9° 7	26°34	29°45	24°54	15°16	0°46	6°19	19°44	21°17	8°48	24°15	S 10
S 11	3 47 58	25°54'54	4♐53	5°22	10°14	27°14	29°58	25° 0	15°18	0°44	6°21	19°34	21°14	8°55	24°13	S 11
M12	3 51 55	26°55'47	16°52	6°55	11°20	27°55	0♏10	25° 7	15°19	0°43	6°24	19°27	21°11	9° 1	24°10	M12
T 13	3 55 51	27°56'41	28°57	8°27	12°27	28°35	0°23	25°13	15°20	0°42	6°26	19°22	21° 8	9° 8	24° 8	T 13
W14	3 59 48	28°57'36	11♑10	10° 0	13°34	29°15	0°35	25°20	15°21	0°40	6°28	19°20	21° 5	9°15	24° 6	W14
T 15	4 3 44	29°58'31	23°33	11°32	14°42	29°55	0°48	25°26	15°23	0°39	6°31	19°D19	21° 1	9°22	24° 3	T 15
F 16	4 7 41	0♐59'28	6♒11	13° 4	15°49	0♏35	1° 0	25°33	15°24	0°38	6°33	19°20	20°58	9°28	24° 1	F 16
S 17	4 11 37	2° 0'25	19° 5	14°36	16°57	1°16	1°12	25°39	15°26	0°36	6°35	19°22	20°55	9°35	23°59	S 17
S 18	4 15 34	3° 1'24	2♓20	16° 8	18° 5	1°56	1°24	25°45	15°27	0°35	6°37	19°R22	20°52	9°42	23°57	S 18
M19	4 19 31	4° 2'22	15°59	17°39	19°13	2°36	1°36	25°51	15°29	0°33	6°40	19°22	20°49	9°48	23°55	M19
T 20	4 23 27	5° 3'22	0♈ 4	19°10	20°21	3°17	1°48	25°58	15°31	0°32	6°42	19°19	20°46	9°55	23°53	T 20
W21	4 27 24	6° 4'22	14°33	20°41	21°30	3°57	2° 0	26° 4	15°32	0°30	6°44	19°15	20°42	10° 2	23°50	W21
T 22	4 31 20	7° 5'22	29°23	22°12	22°39	4°37	2°12	26°10	15°34	0°29	6°46	19° 9	20°39	10° 9	23°49	T 22
F 23	4 35 17	8° 6'24	14♉28	23°42	23°48	5°18	2°24	26°16	15°36	0°27	6°48	19° 2	20°36	10°15	23°47	F 23
S 24	4 39 13	9° 7'26	29°39	25°11	24°57	5°58	2°36	26°22	15°37	0°26	6°51	18°56	20°33	10°22	23°45	S 24
S 25	4 43 10	10° 8'29	14♊44	26°40	26° 6	6°39	2°48	26°27	15°39	0°24	6°53	18°51	20°30	10°29	23°43	S 25
M26	4 47 6	11° 9'32	29°36	28° 8	27°15	7°19	2°59	26°33	15°41	0°22	6°55	18°47	20°27	10°35	23°41	M26
T 27	4 51 3	12°10'37	14♋ 5	29°35	28°25	8° 0	3°11	26°39	15°43	0°21	6°57	18°D46	20°23	10°42	23°39	T 27
W28	4 55 0	13°11'42	28° 8	1♑ 1	29°35	8°40	3°23	26°45	15°45	0°19	6°59	18°46	20°20	10°49	23°38	W28
T 29	4 58 56	14°12'48	11♌42	2°25	0♏44	9°21	3°34	26°50	15°47	0°18	7° 1	18°48	20°17	10°56	23°36	T 29
F 30	5 2 53	15♐13'55	24♌50	3♑48	1♏54	10♏ 1	3♏46	26♎56	15♒49	0♋16	7♏ 3	18♑49	20♑14	11♏ 2	23♈35	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s38	18n24	1s 7	18s28	0s44	1n30	1n22	7s22	0n45	9s45	1n 4	7s11	2n18	17s 3	0s43	22n29	1s 3	0n43	15n 6	21s56	21s46	18s50	9n39	0n 5
F 2	16 56	13 54	2 12	19 0	0 50	1 8	1 26	7 37	0 45	9 50	1 4	7 13	2 18	17 2	0 43	22 29	1 3	0 42	15 6	21 56	21 47	18 52	9 38	0 5
S 3	17 13	8 56	3 9	19 30	0 56	0 46	1 30	7 53	0 45	9 55	1 4	7 15	2 18	17 2	0 43	22 29	1 3	0 41	15 6	21 56	21 47	18 54	9 37	0 5
S 4	17 30	3 43	3 56	19 59	1 2	0 24	1 34	8 8	0 44	9 59	1 4	7 18	2 18	17 2	0 43	22 29	1 3	0 41	15 6	21 56	21 48	18 56	9 36	0 4
M 5	17 46	1s32	4 31	20 27	1 8	0 2	1 37	8 23	0 44	10 4	1 4	7 20	2 18	17 2	0 43	22 29	1 3	0 40	15 6	21 57	21 48	18 58	9 35	0 4
T 6	18 2	6 40	4 54	20 55	1 14	0s21	1 41	8 38	0 43	10 8	1 4	7 23	2 18	17 1	0 43	22 29	1 3	0 39	15 6	21 58	21 49	19 0	9 34	0 4
W 7	18 18	11 30	5 3	21 21	1 20	0 44	1 44	8 54	0 43	10 13	1 4	7 25	2 18	17 1	0 43	22 29	1 3	0 39	15 7	22 0	21 49	19 2	9 33	0 4
T 8	18 34	15 55	5 0	21 46	1 25	1 7	1 48	9 9	0 43	10 17	1 4	7 27	2 18	17 1	0 43	22 29	1 3	0 38	15 7	22 1	21 50	19 4	9 32	0 4
F 9	18 49	19 42	4 44	22 11	1 30	1 30	1 51	9 24	0 42	10 21	1 4	7 30	2 18	17 0	0 43	22 29	1 3	0 37	15 7	22 3	21 50	19 6	9 31	0 4
S 10	19 4	22 42	4 15	22 34	1 35	1 53	1 54	9 39	0 42	10 26	1 4	7 32	2 18	17 0	0 43	22 29	1 3	0 37	15 7	22 5	21 51	19 8	9 30	0 4
S 11	19 19	24 43	3 35	22 56	1 40	2 17	1 56	9 54	0 41	10 30	1 4	7 34	2 18	17 0	0 42	22 29	1 3	0 36	15 7	22 6	21 51	19 10	9 29	0 4
M12	19 33	25 38	2 45	23 16	1 45	2 41	1 59	10 8	0 41	10 35	1 4	7 37	2 19	16 59	0 42	22 29	1 3	0 36	15 7	22 7	21 52	19 12	9 28	0 4
T 13	19 47	25 19	1 47	23 36	1 49	3 4	2 2	10 23	0 40	10 39	1 4	7 39	2 19	16 59	0 42	22 29	1 3	0 35	15 7	22 8	21 52	19 14	9 27	0 4
W14	20 1	23 48	0 44	23 55	1 53	3 28	2 4	10 38	0 40	10 43	1 4	7 41	2 19	16 58	0 42	22 29	1 3	0 34	15 7	22 8	21 53	19 16	9 26	0 4
T 15	20 14	21 6	0n23	24 12	1 57	3 52	2 6	10 52	0 39	10 47	1 4	7 43	2 19	16 58	0 42	22 29	1 3	0 34	15 8	22 8	21 53	19 18	9 25	0 4
F 16	20 26	17 21	1 30	24 27	2 1	4 16	2 9	11 7	0 39	10 52	1 4	7 45	2 19	16 57	0 42	22 29	1 3	0 33	15 8	22 8	21 54	19 20	9 24	0 3
S 17	20 39	12 44	2 34	24 42	2 4	4 41	2 10	11 21	0 39	10 56	1 5	7 48	2 19	16 57	0 42	22 29	1 3	0 33	15 8	22 8	21 54	19 22	9 24	0 3
S 18	20 51	7 24	3 31	24 55	2 7	5 5	2 12	11 36	0 38	11 0	1 5	7 50	2 19	16 56	0 42	22 29	1 3	0 32	15 8	22 8	21 55	19 23	9 23	0 3
M19	21 3	1 35	4 19	25 7	2 10	5 29	2 14	11 50	0 38	11 4	1 5	7 52	2 19	16 56	0 42	22 29	1 3	0 32	15 8	22 8	21 55	19 25	9 22	0 3
T 20	21 14	4n29	4 52	25 17	2 12	5 53	2 16	12 4	0 37	11 8	1 5	7 54	2 20	16 55	0 42	22 29	1 3	0 31	15 8	22 8	21 56	19 27	9 21	0 3
W21	21 25	10 29	5 8	25 26	2 14	6 18	2 17	12 19	0 37	11 12	1 5	7 56	2 20	16 55	0 42	22 29	1 3	0 31	15 9	22 9	21 56	19 29	9 20	0 3
T 22	21 35	16 2	5 4	25 34	2 16	6 42	2 18	12 33	0 36	11 16	1 5	7 58	2 20	16 54	0 42	22 29	1 3	0 30	15 9	22 10	21 57	19 31	9 19	0 3
F 23	21 45	20 41	4 39	25 40	2 17	7 7	2 20	12 47	0 36	11 21	1 5	8 0	2 20	16 54	0 42	22 29	1 3	0 30	15 9	22 11	21 57	19 33	9 19	0 3
S 24	21 55	23 59	3 55	25 44	2 17	7 31	2 21	13 1	0 35	11 25	1 5	8 2	2 20	16 53	0 42	22 29	1 3	0 29	15 9	22 12	21 58	19 35	9 18	0 3
S 25	22 4	25 33	2 54	25 47	2 18	7 55	2 22	13 15	0 35	11 28	1 5	8 4	2 20	16 53	0 42	22 29	1 3	0 29	15 9	22 12	21 58	19 37	9 17	0 3
M26	22 12	25 15	1 42	25 49	2 17	8 19	2 22	13 28	0 34	11 32	1 5	8 6	2 20	16 52	0 42	22 29	1 3	0 28	15 10	22 13	21 59	19 39	9 16	0 3
T 27	22 21	23 13	0 26	25 49	2 16	8 44	2 23	13 42	0 34	11 36	1 5	8 8	2 21	16 51	0 42	22 29	1 3	0 28	15 10	22 13	21 59	19 40	9 16	0 2
W28	22 29	19 48	0s51	25 47	2 15	9 8	2 24	13 55	0 33	11 40	1 5	8 10	2 21	16 51	0 42	22 29	1 3	0 28	15 10	22 13	21 59	19 42	9 15	0 2
T 29	22 36	15 24	2 2	25 44	2 13	9 32	2 24	14 9	0 33	11 44	1 5	8 12	2 21	16 50	0 42	22 29	1 3	0 27	15 10	22 13	22 0	19 44	9 14	0 2
F 30	22s43	10n24	3s 4	25s39	2s10	9s56	2n25	14s22	0n32	11s48	1n 5	8s14	2n21	16s50	0s42	22n29	1s 3	0n27	15n11	22s13	22s 0	19s46	9n14	0n 2

Julian Day Number = 2176463.5, Delta T = 11m52s
Ecliptic obliquity = 23°32'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'14, Lahiri = 13°21'15 Julian Calendar 1 Nov. 1246 == Greg. Calendar 8 Nov. 1246

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ASTRODIENST EPHEMERIS for the year 1246
geocentric

DECEMBER 1246 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 49	16♐15'03	7♍34	5♑ 9	3♏ 5	10♏42	3♏57	27♎ 2	15♒51	0°R14	7♏ 5	18♑51	20♑11	11♏ 9	23°R33	S 1
S 2	5 10 46	17°16'11	19°59	6°28	4°15	11°22	4° 8	27° 7	15°53	0♋13	7° 7	18°R51	20° 7	11°16	23♈32	S 2
M 3	5 14 42	18°17'20	2♎ 8	7°45	5°25	12° 3	4°19	27°13	15°56	0°11	7° 9	18°50	20° 4	11°22	23°30	M 3
T 4	5 18 39	19°18'30	14° 7	8°58	6°36	12°44	4°31	27°18	15°58	0° 9	7°11	18°47	20° 1	11°29	23°29	T 4
W 5	5 22 35	20°19'41	25°59	10° 7	7°47	13°24	4°42	27°23	16° 0	0° 8	7°13	18°44	19°58	11°36	23°27	W 5
T 6	5 26 32	21°20'52	7♏50	11°13	8°57	14° 5	4°53	27°28	16° 2	0° 6	7°15	18°39	19°55	11°43	23°26	T 6
F 7	5 30 29	22°22'03	19°42	12°13	10° 8	14°46	5° 3	27°34	16° 5	0° 4	7°17	18°34	19°52	11°49	23°25	F 7
S 8	5 34 25	23°23'16	1♐37	13° 8	11°19	15°27	5°14	27°39	16° 7	0° 3	7°19	18°29	19°48	11°56	23°24	S 8
S 9	5 38 22	24°24'28	13°39	13°57	12°31	16° 8	5°25	27°44	16°10	0° 1	7°20	18°25	19°45	12° 3	23°23	S 9
M10	5 42 18	25°25'41	25°49	14°38	13°42	16°48	5°36	27°49	16°12	29♊59	7°22	18°22	19°42	12° 9	23°22	M10
T 11	5 46 15	26°26'54	8♑ 7	15°11	14°53	17°29	5°46	27°53	16°15	29°58	7°24	18°21	19°39	12°16	23°21	T 11
W12	5 50 11	27°28'07	20°35	15°35	16° 5	18°10	5°57	27°58	16°17	29°56	7°26	18°D20	19°36	12°23	23°20	W12
T 13	5 54 8	28°29'20	3♒15	15°49	17°16	18°51	6° 7	28° 3	16°20	29°54	7°27	18°21	19°33	12°30	23°19	T 13
F 14	5 58 5	29°30'33	16° 7	15°R53	18°28	19°32	6°17	28° 8	16°22	29°53	7°29	18°22	19°29	12°36	23°18	F 14
S 15	6 2 1	0♑31'46	29°14	15°45	19°39	20°13	6°27	28°12	16°25	29°51	7°31	18°24	19°26	12°43	23°17	S 15
S 16	6 5 58	1°32'58	12♓35	15°25	20°51	20°54	6°37	28°17	16°28	29°49	7°33	18°25	19°23	12°50	23°17	S 16
M17	6 9 54	2°34'10	26°14	14°54	22° 3	21°35	6°47	28°21	16°30	29°47	7°34	18°R26	19°20	12°56	23°16	M17
T 18	6 13 51	3°35'21	10♈10	14°11	23°15	22°16	6°57	28°25	16°33	29°46	7°36	18°26	19°17	13° 3	23°16	T 18
W19	6 17 47	4°36'32	24°22	13°17	24°27	22°57	7° 7	28°30	16°36	29°44	7°37	18°25	19°13	13°10	23°15	W19
T 20	6 21 44	5°37'43	8♉50	12°14	25°39	23°38	7°17	28°34	16°38	29°42	7°39	18°24	19°10	13°17	23°15	T 20
F 21	6 25 40	6°38'53	23°28	11° 3	26°51	24°19	7°26	28°38	16°41	29°41	7°40	18°22	19° 7	13°23	23°14	F 21
S 22	6 29 37	7°40'03	8♊12	9°46	28° 3	25° 0	7°36	28°42	16°44	29°39	7°42	18°21	19° 4	13°30	23°14	S 22
S 23	6 33 34	8°41'13	22°55	8°27	29°16	25°42	7°45	28°46	16°47	29°37	7°43	18°20	19° 1	13°37	23°14	S 23
M24	6 37 30	9°42'22	7♋30	7° 7	0♐28	26°23	7°54	28°50	16°50	29°36	7°45	18°19	18°58	13°43	23°13	M24
T 25	6 41 27	10°43'30	21°50	5°49	1°41	27° 4	8° 3	28°53	16°53	29°34	7°46	18°D19	18°54	13°50	23°13	T 25
W26	6 45 23	11°44'38	5♌50	4°36	2°53	27°45	8°12	28°57	16°56	29°32	7°47	18°20	18°51	13°57	23°13	W26
T 27	6 49 20	12°45'46	19°27	3°28	4° 6	28°26	8°21	29° 0	16°59	29°31	7°49	18°20	18°48	14° 4	23°D13	T 27
F 28	6 53 16	13°46'54	2♍40	2°29	5°18	29° 8	8°30	29° 4	17° 2	29°29	7°50	18°21	18°45	14°10	23°13	F 28
S 29	6 57 13	14°48'01	15°30	1°38	6°31	29°49	8°39	29° 7	17° 5	29°27	7°51	18°21	18°42	14°17	23°13	S 29
S 30	7 1 9	15°49'07	28° 0	0°56	7°44	0♐30	8°47	29°11	17° 8	29°26	7°53	18°21	18°39	14°24	23°14	S 30
M31	7 5 6	16♑50'14	10♎14	0♑24	8♐56	1♐12	8♏55	29♎14	17♒11	29♊24	7♏54	18♑21	18♑35	14♏30	23♈14	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s49	5n 7	3s55	25s32	2s 6	10s19	2n25	14s36	0n32	11s52	1n 5	8s16	2n21	16s49	0s42	22n29	1s 3	0n27	15n11	22s12	22s 1	19s48	9n13	0n 2	S 1
S 2	22 56	0s13	4 34	25 24	2 2	10 43	2 25	14 49	0 31	11 55	1 6	8 17	2 21	16 48	0 42	22 29	1 3	0 26	15 11	22 12	22 1	19 50	9 12	0 2	S 2
M 3	23 1	5 26	5 0	25 15	1 57	11 6	2 25	15 2	0 31	11 59	1 6	8 19	2 22	16 48	0 42	22 29	1 3	0 26	15 12	22 13	22 2	19 51	9 12	0 2	M 3
T 4	23 6	10 22	5 12	25 4	1 51	11 30	2 25	15 15	0 30	12 3	1 6	8 21	2 22	16 47	0 42	22 29	1 3	0 25	15 12	22 13	22 2	19 53	9 11	0 2	T 4
W 5	23 11	14 53	5 10	24 52	1 43	11 53	2 25	15 28	0 30	12 6	1 6	8 23	2 22	16 46	0 42	22 29	1 3	0 25	15 12	22 13	22 3	19 55	9 10	0 2	W 5
T 6	23 15	18 50	4 56	24 39	1 35	12 16	2 24	15 40	0 29	12 10	1 6	8 24	2 22	16 45	0 42	22 29	1 3	0 25	15 12	22 14	22 3	19 57	9 10	0 2	T 6
F 7	23 19	22 2	4 28	24 24	1 26	12 39	2 24	15 53	0 28	12 14	1 6	8 26	2 22	16 45	0 42	22 29	1 3	0 25	15 13	22 15	22 4	19 59	9 9	0 2	F 7
S 8	23 22	24 18	3 49	24 9	1 16	13 1	2 23	16 5	0 28	12 17	1 6	8 28	2 22	16 44	0 42	22 29	1 3	0 24	15 13	22 15	22 4	20 1	9 9	0 2	S 8
S 9	23 25	25 30	2 59	23 52	1 4	13 24	2 23	16 18	0 27	12 21	1 6	8 29	2 23	16 43	0 42	22 29	1 3	0 24	15 13	22 16	22 5	20 2	9 8	0 1	S 9
M10	23 27	25 29	2 1	23 35	0 52	13 46	2 22	16 30	0 27	12 24	1 6	8 31	2 23	16 42	0 42	22 29	1 3	0 24	15 14	22 16	22 5	20 4	9 8	0 1	M10
T 11	23 29	24 13	0 56	23 18	0 38	14 7	2 21	16 42	0 26	12 27	1 6	8 32	2 23	16 42	0 42	22 29	1 3	0 24	15 14	22 16	22 6	20 6	9 8	0 1	T 11
W12	23 31	21 45	0n12	23 0	0 23	14 29	2 20	16 54	0 26	12 31	1 6	8 34	2 23	16 41	0 42	22 29	1 3	0 23	15 14	22 17	22 6	20 8	9 7	0 1	W12
T 13	23 32	18 11	1 21	22 42	0 7	14 50	2 19	17 6	0 25	12 34	1 7	8 35	2 23	16 40	0 42	22 29	1 3	0 23	15 15	22 16	22 6	20 9	9 7	0 1	T 13
F 14	23 32	13 43	2 27	22 25	0n11	15 11	2 18	17 18	0 24	12 37	1 7	8 37	2 24	16 39	0 42	22 29	1 3	0 23	15 15	22 16	22 7	20 11	9 6	0 1	F 14
S 15	23 32	8 33	3 27	22 8	0 29	15 32	2 17	17 29	0 24	12 41	1 7	8 38	2 24	16 39	0 42	22 29	1 3	0 23	15 15	22 16	22 7	20 13	9 6	0 1	S 15
S 16	23 32	2 55	4 17	21 51	0 48	15 52	2 15	17 41	0 23	12 44	1 7	8 40	2 24	16 38	0 42	22 29	1 3	0 23	15 16	22 16	22 8	20 15	9 6	0 1	S 16
M17	23 31	2n58	4 53	21 35	1 7	16 12	2 14	17 52	0 23	12 47	1 7	8 41	2 24	16 37	0 42	22 29	1 3	0 23	15 16	22 16	22 8	20 16	9 5	0 1	M17
T 18	23 29	8 50	5 13	21 21	1 27	16 32	2 12	18 3	0 22	12 50	1 7	8 42	2 24	16 36	0 41	22 29	1 3	0 22	15 17	22 16	22 9	20 18	9 5	0 1	T 18
W19	23 27	14 21	5 15	21 7	1 46	16 51	2 11	18 14	0 21	12 53	1 7	8 44	2 25	16 35	0 41	22 29	1 3	0 22	15 17	22 16	22 9	20 20	9 5	0 1	W19
T 20	23 25	19 10	4 57	20 54	2 4	17 10	2 9	18 25	0 21	12 56	1 7	8 45	2 25	16 34	0 41	22 29	1 3	0 22	15 17	22 16	22 10	20 22	9 5	0 1	T 20
F 21	23 22	22 54	4 19	20 43	2 22	17 28	2 7	18 36	0 20	12 59	1 7	8 46	2 25	16 33	0 41	22 29	1 3	0 22	15 18	22 16	22 10	20 23	9 4	0 0	F 21
S 22	23 19	25 8	3 24	20 33	2 38	17 46	2 6	18 47	0 20	13 2	1 7	8 48	2 25	16 33	0 41	22 29	1 3	0 22	15 18	22 16	22 11	20 25	9 4	0 0	S 22
S 23	23 15	25 37	2 16	20 25	2 51	18 4	2 4	18 57	0 19	13 5	1 8	8 49	2 26	16 32	0 41	22 29	1 3	0 22	15 19	22 17	22 11	20 27	9 4	0 0	S 23
M24	23 11	24 19	1 0	20 18	3 3	18 21	2 2	19 8	0 18	13 8	1 8	8 50	2 26	16 31	0 41	22 29	1 3	0 22	15 19	22 17	22 11	20 29	9 4	0 0	M24
T 25	23 6	21 26	0s19	20 13	3 12	18 38	2 0	19 18	0 18	13 11	1 8	8 51	2 26	16 30	0 41	22 29	1 3	0 22	15 19	22 17	22 12	20 30	9 4	0 0	T 25
W26	23 1	17 21	1 36	20 9	3 19	18 54	1 58	19 28	0 17	13 14	1 8	8 52	2 26	16 29	0 41	22 29	1 3	0 22	15 20	22 17	22 12	20 32	9 4	0 0	W26
T 27	22 55	12 27	2 44	20 7	3 23	19 10	1 56	19 38	0 16	13 16	1 8	8 53	2 26	16 28	0 41	22 29	1 3	0 22	15 20	22 17	22 13	20 34	9 4	0s 0	T 27
F 28	22 49	7 7	3 42	20 6	3 25	19 25	1 53	19 47	0 16	13 19	1 8	8 54	2 27	16 27	0 41	22 29	1 3	0 22	15 21	22 17	22 13	20 35	9 3	0 0	F 28
S 29	22 43	1 38	4 27	20 7	3 24	19 40	1 51	19 57	0 15	13 22	1 8	8 55	2 27	16 26	0 41	22 29	1 3	0 22	15 21	22 16	22 14	20 37	9 3	0 0	S 29
S 30	22 36	3s45	4 58	20 10	3 22	19 54	1 49	20 6	0 14	13 24	1 8	8 56	2 27	16 25	0 41	22 29	1 3	0 22	15 21	22 16	22 14	20 39	9 3	0 0	S 30
M31	22s28	8s53	5s14	20s14	3n18	20s 8	1n46	20s16	0n14	13s27	1n 9	8s57	2n27	16s24	0s41	22n29	1s 3	0n22	15n22	22s16	22s15	20s40	9n 3	0s 0	M31

Julian Day Number = 2176493.5, Delta T = 11m51s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'18, Lahiri = 13°21'19 Julian Calendar 1 Dec. 1246 == Greg. Calendar 8 Dec. 1246

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

JANUARY 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 3	17♉51'20	22♎15	0°R 2	10♐ 9	1♐53	9♏ 4	29♎17	17♒14	29°R23	7♏55	18♉21	18♉32	14♏37	23♈14	T 1
W 2	7 12 59	18°52'26	4♏ 9	29♐48	11°22	2°35	9°12	29°20	17°17	29♊21	7°56	18°21	18°29	14°44	23°14	W 2
T 3	7 16 56	19°53'31	16° 0	29°D43	12°35	3°16	9°20	29°23	17°20	29°19	7°57	18°22	18°26	14°51	23°15	T 3
F 4	7 20 52	20°54'36	27°52	29°47	13°48	3°57	9°28	29°26	17°24	29°18	7°58	18°22	18°23	14°57	23°15	F 4
S 5	7 24 49	21°55'40	9♐51	29°58	15° 1	4°39	9°36	29°28	17°27	29°16	7°59	18°22	18°19	15° 4	23°16	S 5
S 6	7 28 45	22°56'44	21°58	0♉16	16°14	5°20	9°43	29°31	17°30	29°15	8° 0	18°23	18°16	15°11	23°16	S 6
M 7	7 32 42	23°57'47	4♉17	0°41	17°27	6° 2	9°51	29°34	17°33	29°13	8° 1	18°23	18°13	15°17	23°17	M 7
T 8	7 36 38	24°58'49	16°50	1°11	18°40	6°44	9°58	29°36	17°37	29°12	8° 2	18°R23	18°10	15°24	23°18	T 8
W 9	7 40 35	25°59'50	29°38	1°47	19°53	7°25	10° 5	29°38	17°40	29°10	8° 3	18°23	18° 7	15°31	23°19	W 9
T 10	7 44 32	27° 0'51	12♒40	2°28	21° 7	8° 7	10°12	29°41	17°43	29° 9	8° 4	18°22	18° 4	15°38	23°19	T 10
F 11	7 48 28	28° 1'50	25°57	3°13	22°20	8°48	10°19	29°43	17°46	29° 7	8° 5	18°21	18° 0	15°44	23°20	F 11
S 12	7 52 25	29° 2'48	9♓27	4° 2	23°33	9°30	10°26	29°45	17°50	29° 6	8° 6	18°20	17°57	15°51	23°21	S 12
S 13	7 56 21	0♒ 3'44	23° 8	4°55	24°46	10°12	10°33	29°47	17°53	29° 4	8° 6	18°19	17°54	15°58	23°22	S 13
M14	8 0 18	1° 4'40	7♈ 0	5°51	26° 0	10°53	10°39	29°49	17°56	29° 3	8° 7	18°17	17°51	16° 4	23°23	M14
T 15	8 4 14	2° 5'34	21° 1	6°50	27°13	11°35	10°45	29°50	18° 0	29° 2	8° 8	18°16	17°48	16°11	23°25	T 15
W16	8 8 11	3° 6'26	5♉ 8	7°52	28°26	12°17	10°52	29°52	18° 3	29° 0	8° 8	18°D16	17°45	16°18	23°26	W16
T 17	8 12 7	4° 7'17	19°21	8°56	29°40	12°59	10°58	29°54	18° 7	28°59	8° 9	18°17	17°41	16°24	23°27	T 17
F 18	8 16 4	5° 8'07	3♊36	10° 3	0♉53	13°40	11° 3	29°55	18°10	28°58	8° 9	18°18	17°38	16°31	23°28	F 18
S 19	8 20 1	6° 8'55	17°51	11°12	2° 7	14°22	11° 9	29°56	18°13	28°56	8°10	18°19	17°35	16°38	23°30	S 19
S 20	8 23 57	7° 9'41	2♋ 4	12°22	3°20	15° 4	11°15	29°58	18°17	28°55	8°11	18°20	17°32	16°45	23°31	S 20
M21	8 27 54	8°10'26	16°10	13°35	4°34	15°46	11°20	29°59	18°20	28°54	8°11	18°R21	17°29	16°51	23°33	M21
T 22	8 31 50	9°11'10	0♌ 7	14°49	5°47	16°28	11°25	29°59	18°24	28°53	8°11	18°20	17°25	16°58	23°34	T 22
W23	8 35 47	10°11'52	13°49	16° 5	7° 1	17°10	11°30	0♏ 1	18°27	28°51	8°12	18°19	17°22	17° 5	23°36	W23
T 24	8 39 43	11°12'33	27°16	17°23	8°14	17°51	11°35	0° 2	18°30	28°50	8°12	18°16	17°19	17°11	23°37	T 24
F 25	8 43 40	12°13'12	10♍24	18°42	9°28	18°33	11°40	0° 2	18°34	28°49	8°13	18°12	17°16	17°18	23°39	F 25
S 26	8 47 37	13°13'50	23°13	20° 2	10°41	19°15	11°45	0° 3	18°37	28°48	8°13	18° 8	17°13	17°25	23°41	S 26
S 27	8 51 33	14°14'27	5♎45	21°23	11°55	19°57	11°49	0° 3	18°41	28°47	8°13	18° 4	17°10	17°32	23°43	S 27
M28	8 55 30	15°15'02	18° 0	22°46	13° 8	20°39	11°53	0° 4	18°44	28°46	8°13	18° 1	17° 6	17°38	23°44	M28
T 29	8 59 26	16°15'36	0♏ 4	24°10	14°22	21°21	11°57	0° 4	18°48	28°45	8°13	17°58	17° 3	17°45	23°46	T 29
W30	9 3 23	17°16'09	11°59	25°35	15°36	22° 3	12° 1	0° 4	18°51	28°44	8°14	17°57	17° 0	17°52	23°48	W30
T 31	9 7 19	18♒16'41	23♏50	27♉ 1	16♉49	22♐45	12♏ 5	0°R 4	18♒55	28♊43	8♏14	17°D57	16♉57	17♏58	23♈50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s20	13s35	5s17	20s20	3n12	20s21	1n44	20s25	0n13	13s29	1n 9	8s58	2n28	16s23	0s41	22n29	1s 3	0n22	15n22	22s16	22s15	20s42	9n 3	0s 0	
W 2	22 12	17 44	5 5	20 27	3 6	20 34	1 41	20 34	0 12	13 32	1 9	8 59	2 28	16 22	0 41	22 29	1 3	0 22	15 23	22 16	22 15	20 44	9 4	0 0	
T 3	22 3	21 11	4 41	20 34	2 58	20 46	1 39	20 42	0 12	13 34	1 9	8 59	2 28	16 21	0 41	22 29	1 3	0 22	15 23	22 16	22 16	20 45	9 4	0 1	
F 4	21 54	23 45	4 5	20 43	2 50	20 58	1 36	20 51	0 11	13 37	1 9	9 0	2 28	16 20	0 41	22 29	1 3	0 22	15 24	22 16	22 16	20 47	9 4	0 1	
S 5	21 45	25 17	3 18	20 52	2 41	21 9	1 33	20 59	0 10	13 39	1 9	9 1	2 29	16 19	0 41	22 29	1 3	0 22	15 24	22 16	22 17	20 49	9 4	0 1	
S 6	21 35	25 39	2 21	21 1	2 31	21 19	1 31	21 7	0 9	13 41	1 9	9 2	2 29	16 18	0 41	22 29	1 3	0 23	15 25	22 16	22 17	20 50	9 4	0 1	
M 7	21 24	24 45	1 17	21 11	2 21	21 29	1 28	21 16	0 9	13 43	1 10	9 2	2 29	16 17	0 41	22 29	1 3	0 23	15 25	22 16	22 18	20 52	9 4	0 1	
T 8	21 13	22 37	0 9	21 21	2 11	21 38	1 25	21 23	0 8	13 46	1 10	9 3	2 29	16 16	0 41	22 29	1 3	0 23	15 26	22 16	22 18	20 54	9 4	0 1	
W 9	21 2	19 18	1n 2	21 31	2 1	21 47	1 22	21 31	0 7	13 48	1 10	9 4	2 29	16 15	0 41	22 29	1 3	0 23	15 26	22 16	22 18	20 55	9 5	0 1	
T 10	20 50	14 59	2 11	21 41	1 50	21 55	1 20	21 39	0 7	13 50	1 10	9 4	2 30	16 14	0 41	22 29	1 3	0 23	15 26	22 16	22 19	20 57	9 5	0 1	
F 11	20 38	9 53	3 13	21 50	1 40	22 2	1 17	21 46	0 6	13 52	1 10	9 5	2 30	16 13	0 41	22 29	1 3	0 23	15 27	22 16	22 19	20 58	9 5	0 1	
S 12	20 26	4 15	4 7	21 59	1 29	22 9	1 14	21 53	0 5	13 54	1 10	9 5	2 30	16 12	0 41	22 29	1 3	0 24	15 27	22 17	22 20	21 0	9 5	0 1	
S 13	20 13	1n39	4 46	22 8	1 19	22 15	1 11	22 0	0 4	13 56	1 11	9 6	2 30	16 11	0 41	22 29	1 3	0 24	15 28	22 17	22 20	21 2	9 6	0 1	
M14	20 0	7 32	5 10	22 16	1 9	22 21	1 8	22 7	0 4	13 58	1 11	9 6	2 31	16 10	0 41	22 29	1 3	0 24	15 28	22 17	22 21	21 3	9 6	0 1	
T 15	19 46	13 6	5 16	22 23	0 59	22 26	1 5	22 13	0 3	13 59	1 11	9 6	2 31	16 9	0 41	22 29	1 3	0 24	15 29	22 17	22 21	21 5	9 6	0 2	
W16	19 33	18 2	5 3	22 30	0 49	22 30	1 2	22 20	0 2	14 1	1 11	9 7	2 31	16 8	0 41	22 29	1 3	0 25	15 29	22 17	22 21	21 6	9 7	0 2	
T 17	19 18	21 59	4 31	22 35	0 39	22 33	0 59	22 26	0 1	14 3	1 11	9 7	2 31	16 7	0 41	22 29	1 3	0 25	15 30	22 17	22 22	21 8	9 7	0 2	
F 18	19 4	24 36	3 43	22 40	0 29	22 36	0 56	22 32	0 0	14 5	1 11	9 7	2 32	16 6	0 41	22 30	1 3	0 25	15 30	22 17	22 22	21 9	9 8	0 2	
S 19	18 49	25 39	2 41	22 44	0 20	22 38	0 53	22 37	0s 0	14 6	1 11	9 8	2 32	16 5	0 41	22 30	1 2	0 25	15 31	22 17	22 23	21 11	9 8	0 2	
S 20	18 33	25 0	1 29	22 47	0 11	22 40	0 50	22 43	0 1	14 8	1 12	9 8	2 32	16 4	0 41	22 30	1 2	0 26	15 31	22 17	22 23	21 13	9 8	0 2	
M21	18 18	22 45	0 12	22 49	0 2	22 41	0 47	22 48	0 2	14 9	1 12	9 8	2 32	16 3	0 41	22 30	1 2	0 26	15 32	22 17	22 23	21 14	9 9	0 2	
T 22	18 2	19 10	1s 4	22 50	0s 7	22 41	0 44	22 54	0 3	14 11	1 12	9 8	2 33	16 2	0 41	22 30	1 2	0 26	15 32	22 17	22 24	21 16	9 9	0 2	
W23	17 46	14 35	2 16	22 49	0 16	22 41	0 41	22 58	0 4	14 12	1 12	9 8	2 33	16 1	0 41	22 30	1 2	0 27	15 33	22 17	22 24	21 17	9 10	0 2	
T 24	17 29	9 22	3 18	22 48	0 24	22 39	0 37	23 3	0 4	14 14	1 12	9 8	2 33	16 0	0 41	22 30	1 2	0 27	15 33	22 17	22 25	21 19	9 10	0 2	
F 25	17 12	3 52	4 8	22 45	0 32	22 38	0 34	23 8	0 5	14 15	1 12	9 8	2 34	15 58	0 41	22 30	1 2	0 27	15 34	22 18	22 25	21 20	9 11	0 2	
S 26	16 55	1s39	4 45	22 41	0 40	22 35	0 31	23 12	0 6	14 16	1 13	9 8	2 34	15 57	0 41	22 30	1 2	0 28	15 34	22 18	22 25	21 22	9 12	0 2	
S 27	16 37	6 58	5 6	22 36	0 47	22 32	0 28	23 16	0 7	14 17	1 13	9 8	2 34	15 56	0 41	22 30	1 2	0 28	15 35	22 19	22 26	21 23	9 12	0 2	
M28	16 20	11 55	5 13	22 30	0 54	22 28	0 25	23 20	0 8	14 18	1 13	9 8	2 34	15 55	0 41	22 30	1 2	0 29	15 35	22 19	22 26	21 25	9 13	0 3	
T 29	16 2	16 19	5 7	22 22	1 1	22 24	0 22	23 24	0 9	14 20	1 13	9 8	2 35	15 54	0 41	22 30	1 2	0 29	15 36	22 20	22 27	21 26	9 13	0 3	
W30	15 43	20 2	4 46	22 13	1 8	22 19	0 19	23 27	0 10	14 21	1 13	9 8	2 35	15 53	0 41	22 30	1 2	0 29	15 36	22 20	22 27	21 28	9 14	0 3	
T 31	15s25	22s55	4s14	22s 3	1s14	22s13	0n16	23s31	0s10	14s22	1n13	9s 8	2n35	15s52	0s41	22n30	1s 2	0n30	15n37	22s20	22s27	21s29	9n15	0s 3	

Julian Day Number = 2176524.5, Delta T = 11m51s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'23, Lahiri = 13°21'23 Julian Calendar 1 Jan. 1247 == Greg. Calendar 8 Jan. 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

FEBRUARY 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 11 16	19♒17'11	5♐43	28♑28	18♑ 3	23♐28	12♏ 8	0°R 4	18♒58	28°R42	8♏14	17♑58	16♑54	18♏ 5	23♈52	F 1
S 2	9 15 12	20°17'40	17°41	29°57	19°17	24°10	12°12	0♏ 4	19° 2	28♊41	8°14	18° 0	16°51	18°12	23°54	S 2
S 3	9 19 9	21°18'07	29°51	1♒26	20°31	24°52	12°15	0° 4	19° 5	28°40	8°R14	18° 1	16°47	18°18	23°57	S 3
M 4	9 23 6	22°18'33	12♑16	2°57	21°44	25°34	12°18	0° 4	19° 9	28°39	8°14	18°R 3	16°44	18°25	23°59	M 4
T 5	9 27 2	23°18'58	24°59	4°28	22°58	26°16	12°21	0° 3	19°12	28°38	8°14	18° 2	16°41	18°32	24° 1	T 5
W 6	9 30 59	24°19'21	8♒ 2	6° 0	24°12	26°58	12°24	0° 3	19°15	28°37	8°14	18° 1	16°38	18°39	24° 3	W 6
T 7	9 34 55	25°19'42	21°26	7°34	25°26	27°40	12°26	0° 2	19°19	28°37	8°14	17°57	16°35	18°45	24° 6	T 7
F 8	9 38 52	26°20'01	5♓ 9	9° 8	26°39	28°23	12°28	0° 2	19°22	28°36	8°13	17°52	16°31	18°52	24° 8	F 8
S 9	9 42 48	27°20'19	19° 7	10°44	27°53	29° 5	12°30	0° 1	19°26	28°35	8°13	17°46	16°28	18°59	24°11	S 9
S 10	9 46 45	28°20'34	3♈18	12°20	29° 7	29°47	12°32	29♎59	19°29	28°34	8°13	17°39	16°25	19° 5	24°13	S 10
M11	9 50 41	29°20'48	17°35	13°58	0♒21	0♑29	12°34	29°59	19°33	28°34	8°13	17°33	16°22	19°12	24°16	M11
T 12	9 54 38	0♓20'59	1♉54	15°36	1°34	1°12	12°36	29°58	19°36	28°33	8°12	17°28	16°19	19°19	24°18	T 12
W13	9 58 34	1°21'09	16°10	17°16	2°48	1°54	12°37	29°56	19°40	28°32	8°12	17°25	16°16	19°25	24°21	W13
T 14	10 2 31	2°21'16	0♊22	18°57	4° 2	2°36	12°38	29°55	19°43	28°32	8°12	17°D24	16°12	19°32	24°23	T 14
F 15	10 6 28	3°21'21	14°26	20°38	5°16	3°19	12°39	29°54	19°46	28°31	8°11	17°24	16° 9	19°39	24°26	F 15
S 16	10 10 24	4°21'24	28°23	22°21	6°30	4° 1	12°40	29°52	19°50	28°31	8°11	17°25	16° 6	19°46	24°29	S 16
S 17	10 14 21	5°21'25	12♋11	24° 5	7°43	4°43	12°41	29°51	19°53	28°30	8°10	17°R26	16° 3	19°52	24°32	S 17
M18	10 18 17	6°21'24	25°49	25°50	8°57	5°26	12°41	29°49	19°56	28°30	8°10	17°26	16° 0	19°59	24°35	M18
T 19	10 22 14	7°21'20	9♌18	27°36	10°11	6° 8	12°41	29°47	20° 0	28°30	8° 9	17°24	15°57	20° 6	24°37	T 19
W20	10 26 10	8°21'15	22°37	29°23	11°25	6°51	12°R41	29°45	20° 3	28°29	8° 9	17°19	15°53	20°12	24°40	W20
T 21	10 30 7	9°21'07	5♍43	1♓12	12°39	7°33	12°41	29°43	20° 6	28°29	8° 8	17°13	15°50	20°19	24°43	T 21
F 22	10 34 3	10°20'57	18°36	3° 1	13°52	8°16	12°41	29°41	20°10	28°29	8° 7	17° 4	15°47	20°26	24°46	F 22
S 23	10 38 0	11°20'45	1♎16	4°52	15° 6	8°58	12°40	29°39	20°13	28°28	8° 7	16°53	15°44	20°32	24°49	S 23
S 24	10 41 57	12°20'31	13°41	6°44	16°20	9°40	12°40	29°37	20°16	28°28	8° 6	16°43	15°41	20°39	24°52	S 24
M25	10 45 53	13°20'16	25°54	8°37	17°34	10°23	12°39	29°34	20°20	28°28	8° 5	16°34	15°37	20°46	24°55	M25
T 26	10 49 50	14°19'58	7♏56	10°31	18°48	11° 5	12°38	29°32	20°23	28°28	8° 4	16°26	15°34	20°53	24°59	T 26
W27	10 53 46	15°19'39	19°50	12°26	20° 2	11°48	12°36	29°29	20°26	28°27	8° 4	16°20	15°31	20°59	25° 2	W27
T 28	10 57 43	16♓19'18	1♐41	14♓23	21♒16	12♑31	12♏35	29♎27	20♒29	28♊27	8♏ 3	16♑16	15♑28	21♏ 6	25♈ 5	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	15s 6	24s48	3s31	21s51	1s20	22s 6	0n13	23s34	0s11	14s22	1n14	9s 7	2n35	15s51	0s41	22n30	1s 2	0n30	15n37	22s20	22s28	21s31	9n15	0s	3
S 2	14 47	25 36	2 38	21 38	1 26	21 59	0 10	23 37	0 12	14 23	1 14	9 7	2 36	15 50	0 41	22 30	1 2	0 31	15 38	22 19	22 28	21 32	9 16	0	3
S 3	14 28	25 10	1 38	21 24	1 31	21 51	0 7	23 39	0 13	14 24	1 14	9 7	2 36	15 49	0 41	22 30	1 2	0 31	15 38	22 19	22 29	21 34	9 17	0	3
M 4	14 8	23 30	0 32	21 8	1 36	21 43	0 4	23 42	0 14	14 25	1 14	9 6	2 36	15 48	0 41	22 30	1 2	0 32	15 38	22 19	22 29	21 35	9 18	0	3
T 5	13 48	20 36	0n38	20 51	1 41	21 34	0 1	23 44	0 15	14 26	1 14	9 6	2 36	15 47	0 41	22 30	1 2	0 32	15 39	22 19	22 29	21 37	9 18	0	3
W 6	13 28	16 37	1 47	20 33	1 45	21 24	0s 2	23 46	0 16	14 26	1 14	9 6	2 37	15 45	0 41	22 30	1 2	0 33	15 39	22 19	22 30	21 38	9 19	0	3
T 7	13 8	11 42	2 52	20 13	1 49	21 13	0 5	23 48	0 17	14 27	1 15	9 5	2 37	15 44	0 41	22 30	1 2	0 33	15 40	22 20	22 30	21 40	9 20	0	3
F 8	12 47	6 8	3 48	19 51	1 53	21 2	0 8	23 49	0 18	14 27	1 15	9 5	2 37	15 43	0 41	22 30	1 2	0 34	15 40	22 20	22 31	21 41	9 21	0	3
S 9	12 27	0 9	4 32	19 29	1 56	20 51	0 11	23 51	0 19	14 28	1 15	9 4	2 37	15 42	0 41	22 30	1 2	0 34	15 41	22 21	22 31	21 42	9 22	0	3
S 10	12 6	5n54	5 0	19 4	1 59	20 39	0 14	23 52	0 19	14 28	1 15	9 4	2 37	15 41	0 41	22 30	1 2	0 35	15 41	22 22	22 31	21 44	9 22	0	3
M11	11 45	11 41	5 9	18 39	2 2	20 26	0 16	23 53	0 20	14 29	1 15	9 3	2 38	15 40	0 41	22 30	1 2	0 35	15 42	22 23	22 32	21 45	9 23	0	4
T 12	11 24	16 51	5 0	18 12	2 4	20 12	0 19	23 53	0 21	14 29	1 16	9 2	2 38	15 39	0 41	22 30	1 2	0 36	15 42	22 24	22 32	21 47	9 24	0	4
W13	11 2	21 4	4 31	17 43	2 6	19 58	0 22	23 54	0 22	14 29	1 16	9 2	2 38	15 38	0 41	22 30	1 2	0 36	15 43	22 24	22 33	21 48	9 25	0	4
T 14	10 41	24 0	3 47	17 13	2 7	19 44	0 25	23 54	0 23	14 29	1 16	9 1	2 38	15 37	0 41	22 30	1 2	0 37	15 43	22 24	22 33	21 49	9 26	0	4
F 15	10 19	25 25	2 49	16 42	2 8	19 28	0 27	23 54	0 24	14 29	1 16	9 0	2 39	15 36	0 41	22 30	1 1	0 37	15 44	22 24	22 33	21 51	9 27	0	4
S 16	9 57	25 13	1 41	16 9	2 9	19 13	0 30	23 54	0 25	14 30	1 16	9 0	2 39	15 35	0 41	22 30	1 1	0 38	15 44	22 24	22 34	21 52	9 28	0	4
S 17	9 35	23 27	0 28	15 34	2 9	18 56	0 33	23 53	0 26	14 30	1 16	8 59	2 39	15 34	0 41	22 30	1 1	0 38	15 44	22 24	22 34	21 54	9 29	0	4
M18	9 13	20 20	0s45	14 58	2 8	18 40	0 35	23 53	0 27	14 30	1 17	8 58	2 39	15 33	0 41	22 30	1 1	0 39	15 45	22 24	22 35	21 55	9 30	0	4
T 19	8 51	16 9	1 55	14 21	2 8	18 22	0 38	23 52	0 28	14 29	1 17	8 57	2 40	15 32	0 41	22 30	1 1	0 40	15 45	22 24	22 35	21 56	9 31	0	4
W20	8 28	11 14	2 57	13 42	2 6	18 4	0 40	23 51	0 29	14 29	1 17	8 56	2 40	15 31	0 41	22 30	1 1	0 40	15 46	22 25	22 35	21 58	9 32	0	4
T 21	8 6	5 54	3 49	13 2	2 5	17 46	0 43	23 49	0 30	14 29	1 17	8 55	2 40	15 29	0 41	22 31	1 1	0 41	15 46	22 26	22 36	21 59	9 33	0	4
F 22	7 43	0 24	4 29	12 20	2 3	17 27	0 45	23 48	0 31	14 29	1 17	8 54	2 40	15 28	0 41	22 31	1 1	0 41	15 47	22 27	22 36	22 0	9 34	0	4
S 23	7 20	5s 0	4 54	11 37	2 0	17 7	0 47	23 46	0 32	14 29	1 17	8 54	2 40	15 27	0 41	22 31	1 1	0 42	15 47	22 28	22 36	22 2	9 35	0	4
S 24	6 57	10 5	5 5	10 53	1 57	16 48	0 50	23 44	0 33	14 28	1 18	8 53	2 41	15 26	0 41	22 31	1 1	0 43	15 47	22 29	22 37	22 3	9 36	0	5
M25	6 35	14 43	5 1	10 7	1 53	16 27	0 52	23 42	0 34	14 28	1 18	8 51	2 41	15 25	0 41	22 31	1 1	0 43	15 48	22 30	22 37	22 4	9 37	0	5
T 26	6 11	18 41	4 44	9 20	1 49	16 6	0 54	23 40	0 35	14 27	1 18	8 50	2 41	15 24	0 41	22 31	1 1	0 44	15 48	22 31	22 37	22 6	9 38	0	5
W27	5 48	21 51	4 15	8 31	1 44	15 45	0 56	23 37	0 36	14 27	1 18	8 49	2 41	15 23	0 41	22 31	1 1	0 44	15 49	22 32	22 38	22 7	9 39	0	5
T 28	5s25	24s 5	3s35	7s41	1s38	15s23	0s58	23s34	0s37	14s26	1n18	8s48	2n41	15s22	0s41	22n31	1s 1	0n45	15n49	22s32	22s38	22s 8	9n40	0s	5

Julian Day Number = 2176555.5, Delta T = 11m51s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'27, Lahiri = 13°21'27 Julian Calendar 1 Feb. 1247 == Greg. Calendar 8 Feb. 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

MARCH 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 1 39	17♓18'55	13♐32	16♓20	22♒29	13♑13	12°R33	29°R24	20♒33	28°R27	8°R 2	16°D15	15♑25	21♏13	25♈ 8	F 1
S 2	11 5 36	18°18'31	25°29	18°19	23°43	13°56	12♏31	29♎21	20°36	28♊27	8♏ 1	16♑15	15°22	21°19	25°11	S 2
S 3	11 9 32	19°18'05	7♑38	20°18	24°57	14°38	12°29	29°18	20°39	28°D27	8° 0	16°16	15°18	21°26	25°15	S 3
M 4	11 13 29	20°17'37	20° 3	22°18	26°11	15°21	12°27	29°15	20°42	28°27	7°59	16°R16	15°15	21°33	25°18	M 4
T 5	11 17 26	21°17'07	2♒49	24°19	27°25	16° 4	12°25	29°12	20°45	28°27	7°58	16°15	15°12	21°39	25°21	T 5
W 6	11 21 22	22°16'35	16° 0	26°20	28°39	16°46	12°22	29° 9	20°48	28°27	7°57	16°11	15° 9	21°46	25°25	W 6
T 7	11 25 19	23°16'01	29°36	28°22	29°53	17°29	12°20	29° 6	20°51	28°28	7°56	16° 5	15° 6	21°53	25°28	T 7
F 8	11 29 15	24°15'25	13♓38	0♈24	1♓ 6	18°11	12°17	29° 3	20°54	28°28	7°55	15°56	15° 2	21°59	25°32	F 8
S 9	11 33 12	25°14'47	28° 0	2°26	2°20	18°54	12°14	28°59	20°57	28°28	7°54	15°46	14°59	22° 6	25°35	S 9
S 10	11 37 8	26°14'08	12♈38	4°27	3°34	19°37	12°10	28°56	21° 0	28°28	7°53	15°35	14°56	22°13	25°39	S 10
M11	11 41 5	27°13'26	27°23	6°28	4°48	20°19	12° 7	28°53	21° 3	28°28	7°52	15°25	14°53	22°20	25°42	M11
T 12	11 45 1	28°12'41	12♉ 7	8°28	6° 2	21° 2	12° 3	28°49	21° 6	28°29	7°50	15°16	14°50	22°26	25°46	T 12
W13	11 48 58	29°11'55	26°44	10°27	7°16	21°45	11°59	28°46	21° 9	28°29	7°49	15°10	14°47	22°33	25°49	W13
T 14	11 52 55	0♈11'06	11♊ 7	12°24	8°29	22°27	11°55	28°42	21°12	28°29	7°48	15° 7	14°43	22°40	25°53	T 14
F 15	11 56 51	1°10'15	25°15	14°18	9°43	23°10	11°51	28°38	21°15	28°30	7°47	15° 6	14°40	22°46	25°56	F 15
S 16	12 0 48	2° 9'21	9♋ 6	16°11	10°57	23°53	11°47	28°34	21°18	28°30	7°46	15° 6	14°37	22°53	26° 0	S 16
S 17	12 4 44	3° 8'26	22°42	18° 0	12°11	24°35	11°43	28°31	21°20	28°31	7°44	15° 6	14°34	23° 0	26° 4	S 17
M18	12 8 41	4° 7'27	6♌ 2	19°47	13°25	25°18	11°38	28°27	21°23	28°31	7°43	15° 4	14°31	23° 6	26° 7	M18
T 19	12 12 37	5° 6'27	19°10	21°30	14°39	26° 1	11°33	28°23	21°26	28°32	7°42	15° 0	14°28	23°13	26°11	T 19
W20	12 16 34	6° 5'23	2♍ 7	23° 8	15°52	26°43	11°28	28°19	21°29	28°32	7°40	14°54	14°24	23°20	26°15	W20
T 21	12 20 30	7° 4'18	14°52	24°43	17° 6	27°26	11°23	28°15	21°31	28°33	7°39	14°44	14°21	23°27	26°18	T 21
F 22	12 24 27	8° 3'11	27°27	26°13	18°20	28° 9	11°18	28°11	21°34	28°34	7°38	14°32	14°18	23°33	26°22	F 22
S 23	12 28 23	9° 2'01	9♎52	27°38	19°34	28°51	11°13	28° 7	21°37	28°34	7°36	14°19	14°15	23°40	26°26	S 23
S 24	12 32 20	10° 0'50	22° 7	28°59	20°48	29°34	11° 7	28° 2	21°39	28°35	7°35	14° 5	14°12	23°47	26°30	S 24
M25	12 36 17	10°59'36	4♏12	0♉14	22° 1	0♒17	11° 2	27°58	21°42	28°36	7°33	13°52	14° 8	23°53	26°33	M25
T 26	12 40 13	11°58'21	16°10	1°24	23°15	0°59	10°56	27°54	21°44	28°36	7°32	13°41	14° 5	24° 0	26°37	T 26
W27	12 44 10	12°57'04	28° 2	2°28	24°29	1°42	10°50	27°50	21°47	28°37	7°30	13°32	14° 2	24° 7	26°41	W27
T 28	12 48 6	13°55'45	9♐51	3°26	25°43	2°25	10°44	27°45	21°49	28°38	7°29	13°26	13°59	24°13	26°45	T 28
F 29	12 52 3	14°54'24	21°41	4°19	26°56	3° 8	10°38	27°41	21°52	28°39	7°27	13°23	13°56	24°20	26°49	F 29
S 30	12 55 59	15°53'01	3♑37	5° 6	28°10	3°50	10°32	27°37	21°54	28°40	7°26	13°21	13°53	24°27	26°52	S 30
S 31	12 59 56	16♈51'37	15♑44	5♉46	29♓24	4♒33	10♏25	27♎32	21♒56	28♊41	7♏24	13♑21	13♑49	24♏33	26♈56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s 2	25s15	2s46	6s50	1s32	15s 1	1s 0	23s31	0s39	14s26	1n18	8s47	2n42	15s21	0s41	22n31	1s 1	0n46	15n49	22s33	22s39	22s10	9n41	0s	5
S 2	4 39	25 16	1 49	5 57	1 26	14 39	1 2	23 28	0 40	14 25	1 19	8 46	2 42	15 20	0 41	22 31	1 1	0 46	15 50	22 33	22 39	22 11	9 43	0	5
S 3	4 15	24 5	0 46	5 4	1 19	14 16	1 4	23 24	0 41	14 24	1 19	8 45	2 42	15 19	0 41	22 31	1 1	0 47	15 50	22 33	22 39	22 12	9 44	0	5
M 4	3 52	21 42	0n20	4 9	1 11	13 52	1 6	23 21	0 42	14 23	1 19	8 44	2 42	15 18	0 41	22 31	1 1	0 48	15 51	22 33	22 40	22 14	9 45	0	5
T 5	3 28	18 12	1 27	3 14	1 3	13 29	1 8	23 17	0 43	14 22	1 19	8 42	2 42	15 17	0 41	22 31	1 1	0 48	15 51	22 33	22 40	22 15	9 46	0	5
W 6	3 5	13 42	2 31	2 18	0 54	13 5	1 9	23 12	0 44	14 21	1 19	8 41	2 42	15 16	0 41	22 31	1 1	0 49	15 51	22 33	22 40	22 16	9 47	0	5
T 7	2 41	8 24	3 29	1 21	0 45	12 40	1 11	23 8	0 45	14 20	1 19	8 40	2 43	15 15	0 41	22 31	1 1	0 49	15 52	22 34	22 41	22 17	9 48	0	5
F 8	2 17	2 32	4 16	0 23	0 36	12 15	1 13	23 4	0 46	14 19	1 19	8 39	2 43	15 14	0 41	22 31	1 1	0 50	15 52	22 35	22 41	22 19	9 50	0	5
S 9	1 54	3n36	4 48	0n35	0 26	11 50	1 14	22 59	0 47	14 18	1 20	8 37	2 43	15 14	0 42	22 31	1 1	0 51	15 52	22 36	22 41	22 20	9 51	0	6
S 10	1 30	9 38	5 1	1 33	0 15	11 25	1 15	22 54	0 48	14 17	1 20	8 36	2 43	15 13	0 42	22 31	1 0	0 51	15 53	22 37	22 42	22 21	9 52	0	6
M11	1 6	15 10	4 55	2 31	0 4	10 59	1 17	22 49	0 50	14 16	1 20	8 35	2 43	15 12	0 42	22 31	1 0	0 52	15 53	22 39	22 42	22 22	9 53	0	6
T 12	0 43	19 49	4 30	3 29	0n 7	10 33	1 18	22 43	0 51	14 15	1 20	8 33	2 43	15 11	0 42	22 31	1 0	0 53	15 53	22 40	22 43	22 24	9 54	0	6
W13	0 19	23 11	3 47	4 26	0 19	10 7	1 20	22 38	0 52	14 14	1 20	8 32	2 44	15 10	0 42	22 31	1 0	0 53	15 54	22 40	22 43	22 25	9 56	0	6
T 14	0n 4	25 0	2 50	5 23	0 30	9 40	1 21	22 32	0 53	14 12	1 20	8 30	2 44	15 9	0 42	22 31	1 0	0 54	15 54	22 41	22 43	22 26	9 57	0	6
F 15	0 28	25 10	1 43	6 19	0 42	9 13	1 22	22 26	0 54	14 11	1 20	8 29	2 44	15 8	0 42	22 32	1 0	0 55	15 54	22 41	22 44	22 27	9 58	0	6
S 16	0 52	23 45	0 32	7 13	0 54	8 46	1 23	22 20	0 55	14 9	1 20	8 27	2 44	15 7	0 42	22 32	1 0	0 55	15 54	22 41	22 44	22 29	9 59	0	6
S 17	1 15	20 58	0s40	8 6	1 6	8 19	1 24	22 13	0 56	14 8	1 21	8 26	2 44	15 6	0 42	22 32	1 0	0 56	15 55	22 41	22 44	22 30	10 1	0	6
M18	1 39	17 5	1 48	8 58	1 17	7 51	1 25	22 7	0 58	14 6	1 21	8 24	2 44	15 5	0 42	22 32	1 0	0 57	15 55	22 41	22 45	22 31	10 2	0	6
T 19	2 2	12 27	2 50	9 47	1 29	7 23	1 26	22 0	0 59	14 5	1 21	8 23	2 44	15 5	0 42	22 32	1 0	0 57	15 55	22 41	22 45	22 32	10 3	0	6
W20	2 26	7 19	3 41	10 34	1 40	6 55	1 27	21 53	1 0	14 3	1 21	8 21	2 44	15 4	0 42	22 32	1 0	0 58	15 55	22 42	22 45	22 33	10 4	0	6
T 21	2 49	1 59	4 21	11 20	1 51	6 27	1 27	21 46	1 1	14 2	1 21	8 20	2 45	15 3	0 42	22 32	1 0	0 59	15 56	22 43	22 46	22 35	10 6	0	6
F 22	3 12	3s22	4 47	12 2	2 1	5 59	1 28	21 38	1 2	14 0	1 21	8 18	2 45	15 2	0 42	22 32	1 0	0 59	15 56	22 44	22 46	22 36	10 7	0	6
S 23	3 36	8 30	4 59	12 42	2 11	5 30	1 29	21 31	1 4	13 58	1 21	8 17	2 45	15 1	0 42	22 32	1 0	1 0	15 56	22 46	22 46	22 37	10 8	0	7
S 24	3 59	13 14	4 57	13 20	2 20	5 2	1 29	21 23	1 5	13 56	1 21	8 15	2 45	15 0	0 42	22 32	1 0	1 0	15 56	22 47	22 47	22 38	10 10	0	7
M25	4 22	17 23	4 41	13 54	2 28	4 33	1 30	21 15	1 6	13 55	1 21	8 14	2 45	15 0	0 42	22 32	1 0	1 1	15 57	22 49	22 47	22 39	10 11	0	7
T 26	4 45	20 47	4 14	14 26	2 35	4 4	1 30	21 7	1 7	13 53	1 21	8 12	2 45	14 59	0 42	22 32	1 0	1 2	15 57	22 50	22 47	22 40	10 12	0	7
W27	5 8	23 18	3 35	14 55	2 42	3 35	1 30	20 58	1 8	13 51	1 21	8 11	2 45	14 58	0 42	22 32	1 0	1 2	15 57	22 51	22 48	22 42	10 13	0	7
T 28	5 31	24 46	2 47	15 20	2 48	3 6	1 31	20 50	1 10	13 49	1 21	8 9	2 45	14 57	0 42	22 32	1 0	1 3	15 57	22 51	22 48	22 43	10 15	0	7
F 29	5 54	25 8	1 52	15 43	2 53	2 36	1 31	20 41	1 11	13 47	1 22	8 7	2 45	14 56	0 42	22 32	1 0	1 4	15 57	22 52	22 48	22 44	10 16	0	7
S 30	6 16	24 21	0 51	16 2	2 56	2 7	1 31	20 32	1 12	13 45	1 22	8 6	2 45	14 56	0 42	22 32	1 0	1 4	15 57	22 52	22 49	22 45	10 17	0	7
S 31	6n39	22s24	0n13	16n19	2n59	1s38	1s31	20s23	1s13	13s43	1n22	8s 4	2n45	14s55	0s42	22n32	1s 0	1n 5	15n58	22s52	22s49	22s46	10n19	0s	7

Julian Day Number = 2176583.5, Delta T = 11m51s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'31, Lahiri = 13°21'31 Julian Calendar 1 March 1247 == Greg. Calendar 8 March 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

APRIL 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 3 52	17♈50'11	28♉ 6	6♉21	0♈38	5♒16	10°R19	27°R28	21♒59	28♊42	7°R23	13°R21	13♉46	24♏40	27♈ 0	M 1
T 2	13 7 49	18°48'44	10♒50	6°50	1°51	5°58	10♏12	27♎23	22° 1	28°43	7♏21	13♉20	13°43	24°47	27° 4	T 2
W 3	13 11 46	19°47'14	24° 0	7°13	3° 5	6°41	10° 6	27°19	22° 3	28°44	7°20	13°16	13°40	24°53	27° 8	W 3
T 4	13 15 42	20°45'43	7♓39	7°30	4°19	7°24	9°59	27°15	22° 5	28°45	7°18	13°10	13°37	25° 0	27°12	T 4
F 5	13 19 39	21°44'11	21°46	7°40	5°33	8° 6	9°52	27°10	22° 7	28°46	7°16	13° 2	13°34	25° 7	27°16	F 5
S 6	13 23 35	22°42'36	6♈20	7°R45	6°47	8°49	9°45	27° 5	22° 9	28°47	7°15	12°51	13°30	25°14	27°20	S 6
S 7	13 27 32	23°41'00	21°13	7°45	8° 0	9°31	9°38	27° 1	22°12	28°48	7°13	12°40	13°27	25°20	27°24	S 7
M 8	13 31 28	24°39'22	6♉18	7°38	9°14	10°14	9°31	26°56	22°14	28°49	7°12	12°30	13°24	25°27	27°27	M 8
T 9	13 35 25	25°37'42	21°25	7°27	10°28	10°57	9°24	26°52	22°16	28°50	7°10	12°21	13°21	25°34	27°31	T 9
W10	13 39 21	26°36'00	6♊22	7°11	11°41	11°39	9°17	26°47	22°18	28°51	7° 8	12°14	13°18	25°40	27°35	W10
T 11	13 43 18	27°34'16	21° 4	6°50	12°55	12°22	9° 9	26°43	22°19	28°53	7° 7	12°10	13°14	25°47	27°39	T 11
F 12	13 47 15	28°32'30	5♋24	6°25	14° 9	13° 4	9° 2	26°38	22°21	28°54	7° 5	12° 9	13°11	25°54	27°43	F 12
S 13	13 51 11	29°30'42	19°22	5°56	15°23	13°47	8°55	26°34	22°23	28°55	7° 3	12°D 9	13° 8	26° 0	27°47	S 13
S 14	13 55 8	0♌28'52	2♌58	5°24	16°36	14°29	8°47	26°29	22°25	28°57	7° 2	12°R 9	13° 5	26° 7	27°51	S 14
M15	13 59 4	1°27'00	16°13	4°50	17°50	15°12	8°40	26°25	22°27	28°58	7° 0	12° 8	13° 2	26°14	27°55	M15
T 16	14 3 1	2°25'06	29°10	4°14	19° 4	15°54	8°32	26°20	22°28	28°59	6°58	12° 5	12°59	26°20	27°59	T 16
W17	14 6 57	3°23'10	11♍53	3°37	20°17	16°36	8°24	26°16	22°30	29° 1	6°57	12° 0	12°55	26°27	28° 3	W17
T 18	14 10 54	4°21'11	24°23	2°59	21°31	17°19	8°17	26°11	22°32	29° 2	6°55	11°52	12°52	26°34	28° 6	T 18
F 19	14 14 50	5°19'11	6♎43	2°22	22°45	18° 1	8° 9	26° 7	22°33	29° 4	6°53	11°42	12°49	26°40	28°10	F 19
S 20	14 18 47	6°17'10	18°54	1°45	23°58	18°44	8° 2	26° 2	22°35	29° 5	6°52	11°30	12°46	26°47	28°14	S 20
S 21	14 22 44	7°15'06	0♏58	1°10	25°12	19°26	7°54	25°58	22°36	29° 7	6°50	11°18	12°43	26°54	28°18	S 21
M22	14 26 40	8°13'01	12°56	0°37	26°26	20° 8	7°46	25°54	22°38	29° 8	6°48	11° 7	12°39	27° 1	28°22	M22
T 23	14 30 37	9°10'54	24°48	0° 6	27°39	20°50	7°39	25°49	22°39	29°10	6°47	10°57	12°36	27° 7	28°26	T 23
W24	14 34 33	10° 8'46	6♐38	29♈38	28°53	21°33	7°31	25°45	22°40	29°11	6°45	10°50	12°33	27°14	28°30	W24
T 25	14 38 30	11° 6'37	18°27	29°14	0♉ 7	22°15	7°23	25°41	22°42	29°13	6°43	10°45	12°30	27°21	28°34	T 25
F 26	14 42 26	12° 4'26	0♑18	28°54	1°20	22°57	7°16	25°36	22°43	29°14	6°42	10°42	12°27	27°27	28°37	F 26
S 27	14 46 23	13° 2'14	12°15	28°38	2°34	23°39	7° 8	25°32	22°44	29°16	6°40	10°D41	12°24	27°34	28°41	S 27
S 28	14 50 19	14° 0'01	24°22	28°26	3°48	24°21	7° 1	25°28	22°45	29°18	6°38	10°42	12°20	27°41	28°45	S 28
M29	14 54 16	14°57'46	6♒44	28°18	5° 1	25° 3	6°53	25°24	22°46	29°19	6°37	10°43	12°17	27°47	28°49	M29
T 30	14 58 13	15♉55'30	19♒26	28°D15	6♉15	25♒45	6♏46	25♎20	22♒47	29♊21	6♏35	10°R43	12♉14	27♏54	28♈53	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	7n 2	19s22	1n17	16n32	3n 0	1s 8	1s31	20s14	1s15	13s41	1n22	8s 3	2n45	14s54	0s42	22n32	1s 0	1n 5	15n58	22s52	22s49	22s47	10n20	0s 7	M 1
T 2	7 24	15 20	2 20	16 42	3 1	0 39	1 31	20 5	1 16	13 39	1 22	8 1	2 45	14 54	0 42	22 32	0 59	1 6	15 58	22 52	22 50	22 48	10 21	0 7	T 2
W 3	7 46	10 28	3 17	16 48	3 0	0 9	1 31	19 55	1 17	13 37	1 22	7 59	2 45	14 53	0 42	22 32	0 59	1 7	15 58	22 52	22 50	22 49	10 23	0 7	W 3
T 4	8 8	4 56	4 6	16 52	2 58	0n20	1 30	19 46	1 18	13 35	1 22	7 58	2 45	14 52	0 42	22 33	0 59	1 7	15 58	22 53	22 50	22 51	10 24	0 7	T 4
F 5	8 30	1n 1	4 41	16 52	2 54	0 50	1 30	19 36	1 20	13 32	1 22	7 56	2 45	14 52	0 42	22 33	0 59	1 8	15 58	22 54	22 51	22 52	10 25	0 8	F 5
S 6	8 52	7 5	4 59	16 49	2 49	1 20	1 30	19 26	1 21	13 30	1 22	7 54	2 45	14 51	0 42	22 33	0 59	1 8	15 58	22 55	22 51	22 53	10 27	0 8	S 6
S 7	9 14	12 54	4 58	16 43	2 43	1 49	1 29	19 16	1 22	13 28	1 22	7 53	2 45	14 50	0 42	22 33	0 59	1 9	15 58	22 56	22 51	22 54	10 28	0 8	S 7
M 8	9 35	18 0	4 36	16 34	2 36	2 19	1 29	19 5	1 23	13 26	1 22	7 51	2 45	14 50	0 42	22 33	0 59	1 10	15 59	22 57	22 52	22 55	10 29	0 8	M 8
T 9	9 57	21 57	3 54	16 22	2 27	2 48	1 28	18 55	1 25	13 23	1 22	7 49	2 45	14 49	0 42	22 33	0 59	1 10	15 59	22 58	22 52	22 56	10 31	0 8	T 9
W10	10 18	24 22	2 57	16 7	2 17	3 18	1 28	18 44	1 26	13 21	1 22	7 48	2 45	14 48	0 42	22 33	0 59	1 11	15 59	22 58	22 52	22 57	10 32	0 8	W10
T 11	10 39	25 3	1 49	15 50	2 6	3 47	1 27	18 33	1 27	13 19	1 22	7 46	2 45	14 48	0 42	22 33	0 59	1 11	15 59	22 59	22 53	22 58	10 33	0 8	T 11
F 12	11 0	24 1	0 36	15 29	1 53	4 17	1 26	18 23	1 29	13 16	1 22	7 45	2 45	14 47	0 42	22 33	0 59	1 12	15 59	22 59	22 53	22 59	10 35	0 8	F 12
S 13	11 21	21 30	0s38	15 7	1 40	4 46	1 26	18 12	1 30	13 14	1 22	7 43	2 45	14 47	0 43	22 33	0 59	1 12	15 59	22 59	22 53	23 0	10 36	0 8	S 13
S 14	11 41	17 49	1 48	14 43	1 25	5 15	1 25	18 0	1 31	13 12	1 22	7 41	2 45	14 46	0 43	22 33	0 59	1 13	15 59	22 59	22 53	23 1	10 37	0 8	S 14
M15	12 2	13 20	2 50	14 17	1 10	5 44	1 24	17 49	1 33	13 9	1 22	7 40	2 45	14 46	0 43	22 33	0 59	1 13	15 59	22 59	22 54	23 2	10 39	0 8	M15
T 16	12 22	8 20	3 42	13 49	0 54	6 13	1 23	17 38	1 34	13 7	1 22	7 38	2 45	14 45	0 43	22 33	0 59	1 14	15 59	22 59	22 54	23 3	10 40	0 8	T 16
W17	12 42	3 6	4 22	13 21	0 37	6 42	1 22	17 26	1 35	13 5	1 22	7 37	2 45	14 45	0 43	22 33	0 59	1 14	15 59	23 0	22 54	23 4	10 41	0 8	W17
T 18	13 1	2s11	4 49	12 52	0 20	7 11	1 21	17 14	1 36	13 2	1 22	7 35	2 45	14 44	0 43	22 33	0 59	1 15	15 59	23 0	22 55	23 5	10 43	0 9	T 18
F 19	13 21	7 17	5 1	12 23	0 3	7 39	1 20	17 3	1 38	13 0	1 22	7 34	2 45	14 44	0 43	22 33	0 59	1 15	15 59	23 1	22 55	23 6	10 44	0 9	F 19
S 20	13 40	12 3	5 0	11 54	0s15	8 7	1 18	16 51	1 39	12 57	1 22	7 32	2 45	14 43	0 43	22 33	0 59	1 16	15 59	23 2	22 55	23 7	10 45	0 9	S 20
S 21	13 59	16 18	4 45	11 26	0 32	8 36	1 17	16 39	1 40	12 55	1 21	7 30	2 45	14 43	0 43	22 33	0 59	1 16	15 59	23 3	22 56	23 8	10 47	0 9	S 21
M22	14 18	19 52	4 18	10 58	0 49	9 4	1 16	16 26	1 42	12 53	1 21	7 29	2 45	14 42	0 43	22 33	0 59	1 17	15 59	23 4	22 56	23 9	10 48	0 9	M22
T 23	14 37	22 35	3 39	10 32	1 5	9 31	1 14	16 14	1 43	12 50	1 21	7 27	2 45	14 42	0 43	22 33	0 59	1 17	15 59	23 5	22 56	23 10	10 49	0 9	T 23
W24	14 55	24 19	2 51	10 8	1 21	9 59	1 13	16 2	1 44	12 48	1 21	7 26	2 45	14 41	0 43	22 33	0 59	1 18	15 58	23 6	22 57	23 11	10 51	0 9	W24
T 25	15 13	24 58	1 56	9 45	1 36	10 26	1 12	15 49	1 46	12 45	1 21	7 25	2 45	14 41	0 43	22 34	0 59	1 18	15 58	23 6	22 57	23 12	10 52	0 9	T 25
F 26	15 31	24 28	0 55	9 24	1 51	10 54	1 10	15 37	1 47	12 43	1 21	7 23	2 45	14 41	0 43	22 34	0 59	1 19	15 58	23 6	22 57	23 13	10 53	0 9	F 26
S 27	15 49	22 50	0n 8	9 5	2 5	11 20	1 9	15 24	1 48	12 41	1 21	7 22	2 44	14 40	0 43	22 34	0 59	1 19	15 58	23 6	22 57	23 14	10 55	0 9	S 27
S 28	16 6	20 8	1 13	8 49	2 17	11 47	1 7	15 11	1 50	12 38	1 21	7 20	2 44	14 40	0 43	22 34	0 58	1 19	15 58	23 6	22 58	23 15	10 56	0 9	S 28
M29	16 23	15 29	2 15	8 35	2 29	12 13	1 5	14 58	1 51	12 36	1 21	7 19	2 44	14 40	0 43	22 34	0 58	1 20	15 58	23 6	22 58	23 16	10 57	0 9	M29
T 30	16n40	12s 0	3n13	8n24	2s40	12n40	1s 4	14s45	1s53	12s34	1n21	7s17	2n44	14s39	0s43	22n34	0s58	1n20	15n58	23s 6	22s58	23s17	10n58	0s 9	T 30

Julian Day Number = 2176614.5, Delta T = 11m51s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'35, Lahiri = 13°21'35 Julian Calendar 1 Apr. 1247 == Greg. Calendar 8 Apr. 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

MAY 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 2 9	16♉53'13	2♓32	28♈16	7♉29	26♒27	6°R38	25°R16	22♒48	29♊23	6°R33	10°R42	12♑11	28♏ 1	28♈56	W 1
T 2	15 6 6	17°50'55	16° 5	28°22	8°42	27° 9	6♏31	25♎12	22°49	29°25	6♏32	10♑39	12° 8	28° 7	29° 0	T 2
F 3	15 10 2	18°48'36	0♈ 8	28°33	9°56	27°51	6°23	25° 8	22°50	29°26	6°30	10°34	12° 5	28°14	29° 4	F 3
S 4	15 13 59	19°46'16	14°39	28°48	11°10	28°33	6°16	25° 4	22°51	29°28	6°28	10°27	12° 1	28°21	29° 8	S 4
S 5	15 17 55	20°43'55	29°33	29° 7	12°23	29°14	6° 9	25° 0	22°52	29°30	6°27	10°20	11°58	28°27	29°11	S 5
M 6	15 21 52	21°41'32	14♉43	29°31	13°37	29°56	6° 2	24°56	22°53	29°32	6°25	10°12	11°55	28°34	29°15	M 6
T 7	15 25 48	22°39'09	29°58	29°59	14°51	0♓38	5°55	24°52	22°53	29°34	6°23	10° 6	11°52	28°41	29°19	T 7
W 8	15 29 45	23°36'44	15♊ 8	0♉31	16° 4	1°19	5°48	24°49	22°54	29°36	6°22	10° 2	11°49	28°47	29°22	W 8
T 9	15 33 42	24°34'18	0♋ 4	1° 8	17°18	2° 1	5°41	24°45	22°55	29°37	6°20	10° 0	11°45	28°54	29°26	T 9
F 10	15 37 38	25°31'51	14°39	1°48	18°31	2°42	5°34	24°41	22°55	29°39	6°19	10°D 0	11°42	29° 1	29°30	F 10
S 11	15 41 35	26°29'22	28°49	2°32	19°45	3°24	5°27	24°38	22°56	29°41	6°17	10° 1	11°39	29° 8	29°33	S 11
S 12	15 45 31	27°26'52	12♌32	3°19	20°59	4° 5	5°20	24°35	22°56	29°43	6°16	10° 2	11°36	29°14	29°37	S 12
M13	15 49 28	28°24'21	25°51	4°11	22°12	4°46	5°14	24°31	22°57	29°45	6°14	10°R 3	11°33	29°21	29°40	M13
T 14	15 53 24	29°21'48	8♍48	5° 6	23°26	5°27	5° 7	24°28	22°57	29°47	6°13	10° 2	11°30	29°28	29°44	T 14
W15	15 57 21	0♊19'13	21°26	6° 4	24°40	6° 9	5° 1	24°25	22°57	29°49	6°11	10° 0	11°26	29°34	29°47	W15
T 16	16 1 17	1°16'38	3♎48	7° 5	25°53	6°50	4°55	24°21	22°58	29°51	6°10	9°56	11°23	29°41	29°51	T 16
F 17	16 5 14	2°14'01	15°59	8°10	27° 7	7°31	4°49	24°18	22°58	29°53	6° 8	9°51	11°20	29°48	29°54	F 17
S 18	16 9 11	3°11'23	28° 1	9°18	28°21	8°11	4°43	24°15	22°58	29°55	6° 7	9°45	11°17	29°54	29°58	S 18
S 19	16 13 7	4° 8'44	9♏57	10°29	29°34	8°52	4°37	24°12	22°58	29°57	6° 5	9°39	11°14	0♐ 1	0♑ 1	S 19
M20	16 17 4	5° 6'05	21°49	11°44	0♊48	9°33	4°31	24° 9	22°58	29°59	6° 4	9°32	11°11	0° 8	0° 5	M20
T 21	16 21 0	6° 3'24	3♐39	13° 1	2° 1	10°14	4°26	24° 7	22°R58	0♋ 1	6° 2	9°27	11° 7	0°14	0° 8	T 21
W22	16 24 57	7° 0'43	15°29	14°21	3°15	10°54	4°20	24° 4	22°58	0° 3	6° 1	9°23	11° 4	0°21	0°11	W22
T 23	16 28 53	7°58'00	27°21	15°45	4°29	11°35	4°15	24° 1	22°58	0° 6	6° 0	9°21	11° 1	0°28	0°14	T 23
F 24	16 32 50	8°55'18	9♑17	17°11	5°42	12°15	4°10	23°59	22°58	0° 8	5°58	9°D21	10°58	0°34	0°18	F 24
S 25	16 36 46	9°52'34	21°21	18°40	6°56	12°55	4° 4	23°56	22°58	0°10	5°57	9°21	10°55	0°41	0°21	S 25
S 26	16 40 43	10°49'50	3♒34	20°12	8°10	13°35	4° 0	23°54	22°58	0°12	5°56	9°23	10°51	0°48	0°24	S 26
M27	16 44 40	11°47'06	16° 1	21°47	9°23	14°16	3°55	23°52	22°58	0°14	5°54	9°24	10°48	0°54	0°27	M27
T 28	16 48 36	12°44'21	28°45	23°24	10°37	14°55	3°50	23°49	22°57	0°16	5°53	9°26	10°45	1° 1	0°30	T 28
W29	16 52 33	13°41'36	11♓49	25° 5	11°51	15°35	3°46	23°47	22°57	0°18	5°52	9°R26	10°42	1° 8	0°34	W29
T 30	16 56 29	14°38'50	25°18	26°48	13° 4	16°15	3°41	23°45	22°56	0°20	5°51	9°26	10°39	1°14	0°37	T 30
F 31	17 0 26	15♊36'05	9♈12	28♉34	14♊18	16♓55	3♏37	23♎43	22♒56	0♋23	5♏50	9♑24	10♑36	1♐21	0♉40	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16n57	6s51	4n 2	8n15	2s50	13n 5	1s 2	14s32	1s54	12s31	1n20	7s16	2n44	14s39	0s43	22n34	0s58	1n21	15n58	23s 6	22s59	23s18	11n 0	0s10	W 1
T 2	17 13	1 13	4 40	8 9	2 59	13 31	1 0	14 19	1 55	12 29	1 20	7 15	2 44	14 39	0 43	22 34	0 58	1 21	15 58	23 7	22 59	23 19	11 1	0 10	T 2
F 3	17 29	4n40	5 2	8 6	3 7	13 56	0 58	14 6	1 57	12 27	1 20	7 13	2 44	14 38	0 43	22 34	0 58	1 21	15 57	23 7	22 59	23 19	11 2	0 10	F 3
S 4	17 45	10 30	5 6	8 5	3 14	14 21	0 56	13 52	1 58	12 24	1 20	7 12	2 44	14 38	0 43	22 34	0 58	1 22	15 57	23 7	22 59	23 20	11 3	0 10	S 4
S 5	18 1	15 52	4 50	8 6	3 19	14 45	0 54	13 39	1 59	12 22	1 20	7 11	2 44	14 38	0 43	22 34	0 58	1 22	15 57	23 8	23 0	23 21	11 5	0 10	S 5
M 6	18 16	20 21	4 14	8 10	3 24	15 9	0 52	13 25	2 1	12 20	1 20	7 10	2 43	14 38	0 43	22 34	0 58	1 22	15 57	23 9	23 0	23 22	11 6	0 10	M 6
T 7	18 31	23 28	3 19	8 16	3 28	15 33	0 51	13 12	2 2	12 18	1 20	7 8	2 43	14 38	0 43	22 34	0 58	1 23	15 57	23 9	23 0	23 23	11 7	0 10	T 7
W 8	18 45	24 52	2 10	8 24	3 31	15 56	0 48	12 58	2 3	12 15	1 19	7 7	2 43	14 37	0 43	22 34	0 58	1 23	15 56	23 9	23 1	23 24	11 8	0 10	W 8
T 9	18 59	24 26	0 53	8 35	3 33	16 19	0 46	12 44	2 5	12 13	1 19	7 6	2 43	14 37	0 44	22 34	0 58	1 23	15 56	23 10	23 1	23 25	11 10	0 10	T 9
F 10	19 13	22 19	0s25	8 48	3 34	16 42	0 44	12 31	2 6	12 11	1 19	7 5	2 43	14 37	0 44	22 34	0 58	1 23	15 56	23 10	23 1	23 26	11 11	0 10	F 10
S 11	19 27	18 51	1 40	9 3	3 35	17 4	0 42	12 17	2 7	12 9	1 19	7 4	2 43	14 37	0 44	22 34	0 58	1 24	15 56	23 9	23 1	23 27	11 12	0 10	S 11
S 12	19 40	14 26	2 47	9 19	3 34	17 26	0 40	12 3	2 9	12 7	1 19	7 3	2 42	14 37	0 44	22 34	0 58	1 24	15 55	23 9	23 2	23 27	11 13	0 10	S 12
M13	19 53	9 27	3 43	9 38	3 33	17 47	0 38	11 49	2 10	12 5	1 19	7 1	2 42	14 37	0 44	22 34	0 58	1 24	15 55	23 9	23 2	23 28	11 14	0 10	M13
T 14	20 6	4 12	4 26	9 58	3 31	18 8	0 36	11 35	2 12	12 3	1 18	7 0	2 42	14 37	0 44	22 34	0 58	1 24	15 55	23 9	23 2	23 29	11 15	0 11	T 14
W15	20 18	1s 6	4 54	10 20	3 28	18 28	0 34	11 21	2 13	12 1	1 18	6 59	2 42	14 37	0 44	22 34	0 58	1 25	15 55	23 10	23 3	23 30	11 17	0 11	W15
T 16	20 30	6 14	5 9	10 43	3 24	18 48	0 31	11 7	2 14	11 59	1 18	6 58	2 42	14 37	0 44	22 34	0 58	1 25	15 54	23 10	23 3	23 31	11 18	0 11	T 16
F 17	20 42	11 3	5 9	11 8	3 20	19 7	0 29	10 53	2 16	11 57	1 18	6 57	2 41	14 36	0 44	22 34	0 58	1 25	15 54	23 10	23 3	23 32	11 19	0 11	F 17
S 18	20 53	15 24	4 55	11 34	3 15	19 26	0 27	10 39	2 17	11 56	1 18	6 57	2 41	14 36	0 44	22 34	0 58	1 25	15 54	23 11	23 3	23 32	11 20	0 11	S 18
S 19	21 4	19 6	4 28	12 2	3 9	19 44	0 25	10 25	2 18	11 54	1 17	6 56	2 41	14 36	0 44	22 34	0 58	1 25	15 54	23 11	23 4	23 33	11 21	0 11	S 19
M20	21 14	22 0	3 50	12 31	3 3	20 2	0 22	10 11	2 20	11 52	1 17	6 55	2 41	14 36	0 44	22 34	0 58	1 25	15 53	23 12	23 4	23 34	11 22	0 11	M20
T 21	21 24	23 57	3 3	13 0	2 56	20 20	0 20	9 56	2 21	11 50	1 17	6 54	2 41	14 36	0 44	22 34	0 58	1 26	15 53	23 12	23 4	23 35	11 23	0 11	T 21
W22	21 34	24 51	2 7	13 31	2 49	20 36	0 18	9 42	2 22	11 49	1 17	6 53	2 40	14 37	0 44	22 34	0 58	1 26	15 53	23 12	23 4	23 36	11 25	0 11	W22
T 23	21 44	24 36	1 5	14 3	2 41	20 52	0 15	9 28	2 24	11 47	1 17	6 52	2 40	14 37	0 44	22 34	0 58	1 26	15 52	23 12	23 5	23 36	11 26	0 11	T 23
F 24	21 53	23 13	0 0	14 35	2 33	21 8	0 13	9 14	2 25	11 46	1 16	6 52	2 40	14 37	0 44	22 34	0 58	1 26	15 52	23 12	23 5	23 37	11 27	0 11	F 24
S 25	22 1	20 46	1n 5	15 8	2 24	21 23	0 11	8 59	2 26	11 44	1 16	6 51	2 40	14 37	0 44	22 34	0 58	1 26	15 52	23 12	23 5	23 38	11 28	0 11	S 25
S 26	22 10	17 21	2 9	15 42	2 15	21 37	0 8	8 45	2 28	11 43	1 16	6 50	2 40	14 37	0 44	22 34	0 58	1 26	15 51	23 12	23 5	23 39	11 29	0 12	S 26
M27	22 18	13 7	3 8	16 16	2 5	21 51	0 6	8 31	2 29	11 41	1 16	6 50	2 39	14 37	0 44	22 35	0 58	1 26	15 51	23 12	23 6	23 39	11 30	0 12	M27
T 28	22 25	8 13	3 59	16 51	1 55	22 4	0 3	8 16	2 30	11 40	1 15	6 49	2 39	14 37	0 44	22 35	0 58	1 26	15 50	23 12	23 6	23 40	11 31	0 12	T 28
W29	22 32	2 51	4 39	17 25	1 45	22 17	0 1	8 2	2 32	11 39	1 15	6 48	2 39	14 37	0 44	22 35	0 58	1 26	15 50	23 12	23 6	23 41	11 32	0 12	W29
T 30	22 39	2n48	5 5	18 0	1 34	22 29	0n 1	7 48	2 33	11 37	1 15	6 48	2 39	14 37	0 44	22 35	0 58	1 26	15 50	23 12	23 7	23 42	11 33	0 12	T 30
F 31	22n45	8n29	5n15	18n34	1s23	22n40	0n 4	7s33	2s35	11s36	1n15	6s47	2n38	14s38	0s44	22n35	0s58	1n26	15n49	23s12	23s 7	23s42	11n34	0s12	F 31

Julian Day Number = 2176644.5, Delta T = 11m51s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'39, Lahiri = 13°21'40 Julian Calendar 1 May 1247 == Greg. Calendar 8 May 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

JUNE 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 22	16♊33'19	23♈31	0♊23	15♊32	17♓34	3°R33	23°R41	22°R56	0♋25	5°R48	9°R22	10♑32	1♐28	0♉43	S 1
S 2	17 8 19	17°30'33	8♉13	2°15	16°45	18°14	3♏29	23♎40	22♒55	0°27	5♏47	9♑19	10°29	1°34	0°46	S 2
M 3	17 12 15	18°27'47	23°12	4° 9	17°59	18°53	3°26	23°38	22°54	0°29	5°46	9°17	10°26	1°41	0°49	M 3
T 4	17 16 12	19°25'00	8♊21	6° 5	19°13	19°32	3°22	23°36	22°54	0°31	5°45	9°14	10°23	1°48	0°51	T 4
W 5	17 20 9	20°22'14	23°29	8° 4	20°26	20°11	3°19	23°35	22°53	0°34	5°44	9°13	10°20	1°54	0°54	W 5
T 6	17 24 5	21°19'27	8♋28	10° 5	21°40	20°50	3°16	23°33	22°52	0°36	5°43	9°D12	10°17	2° 1	0°57	T 6
F 7	17 28 2	22°16'39	23° 9	12° 8	22°54	21°29	3°13	23°32	22°52	0°38	5°42	9°13	10°13	2° 8	1° 0	F 7
S 8	17 31 58	23°13'52	7♌27	14°13	24° 8	22° 7	3°10	23°31	22°51	0°40	5°41	9°14	10°10	2°15	1° 3	S 8
S 9	17 35 55	24°11'03	21°20	16°20	25°21	22°46	3° 7	23°30	22°50	0°42	5°40	9°15	10° 7	2°21	1° 5	S 9
M10	17 39 51	25° 8'14	4♍46	18°28	26°35	23°24	3° 5	23°29	22°49	0°45	5°39	9°16	10° 4	2°28	1° 8	M10
T 11	17 43 48	26° 5'25	17°47	20°37	27°49	24° 2	3° 3	23°28	22°48	0°47	5°38	9°17	10° 1	2°35	1°11	T 11
W12	17 47 45	27° 2'35	0♎27	22°46	29° 2	24°40	3° 0	23°27	22°47	0°49	5°37	9°R17	9°57	2°41	1°13	W12
T 13	17 51 41	27°59'45	12°48	24°57	0♋16	25°18	2°58	23°26	22°46	0°51	5°36	9°16	9°54	2°48	1°16	T 13
F 14	17 55 38	28°56'54	24°56	27° 7	1°30	25°56	2°57	23°26	22°45	0°54	5°35	9°15	9°51	2°55	1°18	F 14
S 15	17 59 34	29°54'03	6♏54	29°18	2°44	26°33	2°55	23°25	22°44	0°56	5°35	9°14	9°48	3° 1	1°21	S 15
S 16	18 3 31	0♋51'13	18°46	1♋28	3°57	27°11	2°54	23°25	22°43	0°58	5°34	9°13	9°45	3° 8	1°23	S 16
M17	18 7 27	1°48'21	0♐36	3°38	5°11	27°48	2°53	23°24	22°42	1° 0	5°33	9°12	9°42	3°15	1°25	M17
T 18	18 11 24	2°45'30	12°26	5°47	6°25	28°25	2°52	23°24	22°40	1° 2	5°32	9°11	9°38	3°21	1°28	T 18
W19	18 15 20	3°42'39	24°19	7°55	7°39	29° 1	2°51	23°24	22°39	1° 5	5°32	9°11	9°35	3°28	1°30	W19
T 20	18 19 17	4°39'48	6♑18	10° 2	8°52	29°38	2°50	23°D24	22°38	1° 7	5°31	9°D10	9°32	3°35	1°32	T 20
F 21	18 23 14	5°36'58	18°24	12° 7	10° 6	0♈14	2°49	23°24	22°36	1° 9	5°31	9°11	9°29	3°41	1°34	F 21
S 22	18 27 10	6°34'07	0♒39	14°11	11°20	0°51	2°49	23°24	22°35	1°11	5°30	9°11	9°26	3°48	1°37	S 22
S 23	18 31 7	7°31'17	13° 5	16°14	12°34	1°27	2°D49	23°24	22°33	1°14	5°29	9°11	9°23	3°55	1°39	S 23
M24	18 35 3	8°28'27	25°45	18°14	13°48	2° 2	2°49	23°24	22°32	1°16	5°29	9°11	9°19	4° 1	1°41	M24
T 25	18 39 0	9°25'37	8♓39	20°14	15° 1	2°38	2°49	23°25	22°31	1°18	5°28	9°R11	9°16	4° 8	1°43	T 25
W26	18 42 56	10°22'48	21°50	22°11	16°15	3°13	2°50	23°25	22°29	1°20	5°28	9°11	9°13	4°15	1°45	W26
T 27	18 46 53	11°20'00	5♈19	24° 7	17°29	3°49	2°50	23°26	22°27	1°22	5°28	9°D11	9°10	4°21	1°47	T 27
F 28	18 50 49	12°17'12	19° 8	26° 0	18°43	4°24	2°51	23°27	22°26	1°25	5°27	9°11	9° 7	4°28	1°48	F 28
S 29	18 54 46	13°14'26	3♉15	27°52	19°57	4°58	2°52	23°27	22°24	1°27	5°27	9°11	9° 3	4°35	1°50	S 29
S 30	18 58 43	14♋11'40	17♉40	29♋43	21♋10	5♈33	2♏53	23♎28	22♒22	1♋29	5♏26	9♑11	9♑ 0	4♐41	1♉52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n51	13n53	5n 5	19n 9	1s12	22n51	0n 6	7s19	2s36	11s35	1n14	6s47	2n38	14s38	0s44	22n35	0s58	1n26	15n49	23s12	23s 7	23s43	11n35	0s12
S 2	22 57	18 39	4 36	19 42	1 1	23 1	0 8	7 5	2 37	11 34	1 14	6 47	2 38	14 38	0 44	22 35	0 58	1 26	15 48	23 12	23 7	23 44	11 36	0 12
M 3	23 2	22 19	3 47	20 15	0 49	23 10	0 11	6 51	2 38	11 33	1 14	6 46	2 38	14 38	0 44	22 35	0 58	1 26	15 48	23 13	23 8	23 44	11 37	0 12
T 4	23 7	24 27	2 42	20 47	0 38	23 19	0 13	6 36	2 40	11 32	1 14	6 46	2 37	14 38	0 45	22 35	0 58	1 26	15 48	23 13	23 8	23 45	11 38	0 12
W 5	23 11	24 48	1 26	21 19	0 26	23 27	0 16	6 22	2 41	11 31	1 13	6 45	2 37	14 39	0 45	22 35	0 58	1 26	15 47	23 13	23 8	23 46	11 39	0 12
T 6	23 15	23 20	0 4	21 48	0 15	23 34	0 18	6 8	2 42	11 30	1 13	6 45	2 37	14 39	0 45	22 35	0 58	1 26	15 47	23 13	23 8	23 47	11 39	0 13
F 7	23 19	20 17	1s16	22 17	0 4	23 41	0 20	5 54	2 44	11 30	1 13	6 45	2 37	14 39	0 45	22 35	0 58	1 26	15 46	23 13	23 8	23 47	11 40	0 13
S 8	23 22	16 4	2 30	22 43	0n 7	23 47	0 22	5 40	2 45	11 29	1 13	6 45	2 36	14 40	0 45	22 35	0 58	1 26	15 46	23 13	23 9	23 48	11 41	0 13
S 9	23 25	11 6	3 32	23 8	0 18	23 52	0 25	5 26	2 46	11 28	1 12	6 45	2 36	14 40	0 45	22 35	0 58	1 25	15 45	23 13	23 9	23 49	11 42	0 13
M10	23 27	5 45	4 21	23 30	0 28	23 57	0 27	5 12	2 48	11 28	1 12	6 44	2 36	14 40	0 45	22 35	0 57	1 25	15 45	23 13	23 9	23 49	11 43	0 13
T 11	23 29	0 20	4 55	23 51	0 38	24 0	0 29	4 58	2 49	11 27	1 12	6 44	2 36	14 41	0 45	22 35	0 57	1 25	15 44	23 13	23 9	23 50	11 44	0 13
W12	23 30	4s57	5 13	24 8	0 48	24 4	0 32	4 44	2 50	11 27	1 12	6 44	2 35	14 41	0 45	22 35	0 57	1 25	15 44	23 13	23 10	23 51	11 45	0 13
T 13	23 31	9 55	5 16	24 23	0 57	24 6	0 34	4 30	2 52	11 26	1 11	6 44	2 35	14 41	0 45	22 35	0 57	1 25	15 43	23 13	23 10	23 51	11 45	0 13
F 14	23 32	14 25	5 5	24 36	1 5	24 8	0 36	4 16	2 53	11 26	1 11	6 44	2 35	14 42	0 45	22 35	0 57	1 25	15 43	23 13	23 10	23 52	11 46	0 13
S 15	23 32	18 17	4 41	24 45	1 13	24 9	0 38	4 2	2 54	11 26	1 11	6 44	2 35	14 42	0 45	22 35	0 57	1 24	15 43	23 13	23 10	23 52	11 47	0 13
S 16	23 32	21 23	4 5	24 52	1 20	24 9	0 40	3 48	2 55	11 25	1 11	6 44	2 34	14 42	0 45	22 35	0 57	1 24	15 42	23 13	23 11	23 53	11 48	0 13
M17	23 31	23 35	3 18	24 56	1 27	24 8	0 42	3 35	2 57	11 25	1 10	6 44	2 34	14 43	0 45	22 35	0 57	1 24	15 42	23 13	23 11	23 54	11 48	0 13
T 18	23 30	24 44	2 23	24 57	1 32	24 7	0 44	3 21	2 58	11 25	1 10	6 45	2 34	14 43	0 45	22 35	0 57	1 24	15 41	23 13	23 11	23 54	11 49	0 14
W19	23 29	24 46	1 22	24 55	1 37	24 5	0 46	3 8	2 59	11 25	1 10	6 45	2 34	14 44	0 45	22 35	0 57	1 23	15 41	23 13	23 11	23 55	11 50	0 14
T 20	23 27	23 39	0 16	24 50	1 41	24 3	0 48	2 54	3 0	11 25	1 9	6 45	2 33	14 44	0 45	22 35	0 57	1 23	15 40	23 13	23 12	23 55	11 51	0 14
F 21	23 25	21 26	0n51	24 43	1 45	23 59	0 50	2 41	3 2	11 25	1 9	6 45	2 33	14 45	0 45	22 35	0 57	1 23	15 39	23 13	23 12	23 56	11 51	0 14
S 22	23 22	18 12	1 56	24 34	1 48	23 55	0 52	2 27	3 3	11 25	1 9	6 46	2 33	14 45	0 45	22 35	0 57	1 23	15 39	23 13	23 12	23 57	11 52	0 14
S 23	23 19	14 7	2 57	24 21	1 49	23 50	0 54	2 14	3 4	11 26	1 9	6 46	2 33	14 46	0 45	22 35	0 57	1 22	15 38	23 13	23 12	23 57	11 52	0 14
M24	23 16	9 22	3 51	24 7	1 51	23 45	0 56	2 1	3 5	11 26	1 8	6 46	2 32	14 46	0 45	22 35	0 57	1 22	15 38	23 13	23 12	23 58	11 53	0 14
T 25	23 12	4 8	4 34	23 51	1 51	23 39	0 58	1 48	3 6	11 26	1 8	6 47	2 32	14 47	0 45	22 34	0 57	1 22	15 37	23 13	23 13	23 58	11 54	0 14
W26	23 8	1n23	5 3	23 32	1 51	23 32	1 0	1 35	3 8	11 27	1 8	6 47	2 32	14 47	0 45	22 34	0 57	1 21	15 37	23 13	23 13	23 59	11 54	0 14
T 27	23 3	6 58	5 17	23 11	1 51	23 24	1 1	1 22	3 9	11 27	1 7	6 48	2 31	14 48	0 45	22 34	0 57	1 21	15 36	23 13	23 13	23 59	11 55	0 14
F 28	22 58	12 20	5 13	22 49	1 49	23 16	1 3	1 9	3 10	11 28	1 7	6 48	2 31	14 48	0 45	22 34	0 57	1 20	15 36	23 13	23 13	24 0	11 55	0 15
S 29	22 53	17 11	4 50	22 25	1 47	23 7	1 5	0 56	3 11	11 28	1 7	6 49	2 31	14 49	0 45	22 34	0 57	1 20	15 35	23 13	23 14	24 1	11 56	0 15
S 30	22n47	21n 9	4n 9	22n 0	1n45	22n57	1n 6	0s44	3s12	11s29	1n 7	6s49	2n31	14s50	0s45	22n34	0s57	1n20	15n35	23s13	23s14	24s 1	11n56	0s15

Julian Day Number = 2176675.5, Delta T = 11m51s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'43, Lahiri = 13°21'44 Julian Calendar 1 June 1247 == Greg. Calendar 8 June 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

JULY 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 2 39	15♋ 8'54	2♊20	1♌31	22♋24	6♈ 7	2♏55	23♎29	22°R21	1♋31	5°R26	9♑12	8♑57	4♐48	1♉54	M 1
T 2	19 6 36	16° 6'10	17° 9	3°18	23°38	6°41	2°56	23°31	22♒19	1°33	5♏26	9°12	8°54	4°55	1°55	T 2
W 3	19 10 32	17° 3'26	2♋ 0	5° 2	24°52	7°14	2°58	23°32	22°17	1°36	5°26	9°R13	8°51	5° 1	1°57	W 3
T 4	19 14 29	18° 0'43	16°47	6°45	26° 6	7°48	3° 0	23°33	22°15	1°38	5°25	9°13	8°48	5° 8	1°58	T 4
F 5	19 18 25	18°58'01	1♌22	8°26	27°20	8°21	3° 2	23°34	22°13	1°40	5°25	9°12	8°44	5°15	2° 0	F 5
S 6	19 22 22	19°55'19	15°39	10° 6	28°34	8°54	3° 4	23°36	22°12	1°42	5°25	9°11	8°41	5°21	2° 1	S 6
S 7	19 26 18	20°52'37	29°34	11°43	29°48	9°26	3° 6	23°37	22°10	1°44	5°25	9°10	8°38	5°28	2° 3	S 7
M 8	19 30 15	21°49'56	13♍ 4	13°19	1♌ 1	9°58	3° 9	23°39	22° 8	1°46	5°25	9° 8	8°35	5°35	2° 4	M 8
T 9	19 34 12	22°47'16	26°10	14°53	2°15	10°30	3°11	23°41	22° 6	1°48	5°D25	9° 7	8°32	5°41	2° 5	T 9
W10	19 38 8	23°44'36	8♎53	16°25	3°29	11° 2	3°14	23°43	22° 4	1°51	5°25	9° 6	8°29	5°48	2° 6	W10
T 11	19 42 5	24°41'56	21°16	17°55	4°43	11°33	3°17	23°45	22° 2	1°53	5°25	9°D 5	8°25	5°55	2° 8	T 11
F 12	19 46 1	25°39'17	3♏24	19°23	5°57	12° 4	3°21	23°47	22° 0	1°55	5°25	9° 5	8°22	6° 1	2° 9	F 12
S 13	19 49 58	26°36'39	15°21	20°50	7°11	12°35	3°24	23°49	21°58	1°57	5°25	9° 6	8°19	6° 8	2°10	S 13
S 14	19 53 54	27°34'02	27°12	22°15	8°25	13° 5	3°28	23°51	21°55	1°59	5°25	9° 8	8°16	6°15	2°11	S 14
M15	19 57 51	28°31'25	9♐ 2	23°37	9°39	13°35	3°31	23°54	21°53	2° 1	5°25	9° 9	8°13	6°21	2°12	M15
T 16	20 1 47	29°28'49	20°54	24°58	10°53	14° 4	3°35	23°56	21°51	2° 3	5°26	9°11	8° 9	6°28	2°13	T 16
W17	20 5 44	0♌26'13	2♑52	26°17	12° 7	14°33	3°39	23°58	21°49	2° 5	5°26	9°11	8° 6	6°35	2°13	W17
T 18	20 9 41	1°23'39	14°59	27°34	13°21	15° 2	3°44	24° 1	21°47	2° 7	5°26	9°R11	8° 3	6°41	2°14	T 18
F 19	20 13 37	2°21'06	27°18	28°48	14°34	15°31	3°48	24° 4	21°45	2° 9	5°27	9°10	8° 0	6°48	2°15	F 19
S 20	20 17 34	3°18'33	9♒50	0♍ 1	15°48	15°59	3°53	24° 7	21°42	2°11	5°27	9° 8	7°57	6°55	2°15	S 20
S 21	20 21 30	4°16'02	22°35	1°11	17° 2	16°26	3°57	24° 9	21°40	2°13	5°27	9° 5	7°54	7° 1	2°16	S 21
M22	20 25 27	5°13'32	5♓34	2°19	18°16	16°54	4° 2	24°12	21°38	2°15	5°28	9° 1	7°50	7° 8	2°17	M22
T 23	20 29 23	6°11'03	18°48	3°25	19°30	17°21	4° 7	24°15	21°36	2°17	5°28	8°57	7°47	7°15	2°17	T 23
W24	20 33 20	7° 8'35	2♈14	4°28	20°44	17°47	4°12	24°19	21°33	2°19	5°29	8°53	7°44	7°21	2°17	W24
T 25	20 37 16	8° 6'09	15°54	5°28	21°58	18°13	4°18	24°22	21°31	2°21	5°29	8°51	7°41	7°28	2°18	T 25
F 26	20 41 13	9° 3'45	29°45	6°26	23°12	18°38	4°23	24°25	21°29	2°23	5°30	8°49	7°38	7°35	2°18	F 26
S 27	20 45 10	10° 1'22	13♉47	7°21	24°26	19° 3	4°29	24°28	21°26	2°24	5°30	8°D49	7°35	7°41	2°18	S 27
S 28	20 49 6	10°59'00	27°59	8°13	25°40	19°28	4°35	24°32	21°24	2°26	5°31	8°49	7°31	7°48	2°19	S 28
M29	20 53 3	11°56'41	12♊19	9° 2	26°54	19°52	4°41	24°35	21°22	2°28	5°32	8°51	7°28	7°55	2°19	M29
T 30	20 56 59	12°54'23	26°44	9°48	28° 8	20°16	4°47	24°39	21°19	2°30	5°32	8°52	7°25	8° 1	2°19	T 30
W31	21 0 56	13♌52'07	11♋11	10♍30	29♌22	20♈39	4♏53	24♎43	21♒17	2♋32	5♏33	8°R53	7♑22	8♐ 8	2°R19	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	22n40	23n50	3n11	21n33	1n41	22n47	1n 8	0s31	3s14	11s29	1n 6	6s50	2n30	14s50	0s45	22n34	0s57	1n19	15n34	23s13	23s14	24s 2	11n57	0s15
T 2	22 34	24 54	1 59	21 5	1 38	22 36	1 9	0 19	3 15	11 30	1 6	6 50	2 30	14 51	0 45	22 34	0 57	1 19	15 34	23 13	23 14	24 2	11 57	0 15
W 3	22 27	24 11	0 40	20 36	1 34	22 24	1 11	0 7	3 16	11 31	1 6	6 51	2 30	14 51	0 45	22 34	0 57	1 18	15 33	23 13	23 14	24 3	11 58	0 15
T 4	22 19	21 47	0s42	20 6	1 29	22 12	1 12	0n 5	3 17	11 32	1 6	6 52	2 30	14 52	0 45	22 34	0 57	1 18	15 32	23 13	23 15	24 3	11 58	0 15
F 5	22 11	17 59	2 0	19 34	1 24	21 59	1 13	0 17	3 18	11 33	1 5	6 53	2 29	14 53	0 46	22 34	0 57	1 17	15 32	23 13	23 15	24 4	11 59	0 15
S 6	22 3	13 12	3 9	19 2	1 18	21 45	1 15	0 29	3 19	11 34	1 5	6 53	2 29	14 53	0 46	22 34	0 57	1 17	15 31	23 13	23 15	24 4	11 59	0 15
S 7	21 55	7 51	4 4	18 30	1 12	21 31	1 16	0 41	3 20	11 35	1 5	6 54	2 29	14 54	0 46	22 34	0 57	1 16	15 31	23 13	23 15	24 5	12 0	0 15
M 8	21 46	2 18	4 44	17 56	1 6	21 16	1 17	0 53	3 21	11 36	1 4	6 55	2 28	14 55	0 46	22 34	0 57	1 16	15 30	23 13	23 15	24 5	12 0	0 15
T 9	21 36	3s11	5 8	17 22	0 59	21 1	1 18	1 4	3 22	11 37	1 4	6 56	2 28	14 55	0 46	22 34	0 57	1 15	15 30	23 13	23 16	24 6	12 0	0 16
W10	21 26	8 22	5 16	16 48	0 52	20 44	1 19	1 16	3 24	11 39	1 4	6 57	2 28	14 56	0 46	22 34	0 57	1 15	15 29	23 13	23 16	24 6	12 1	0 16
T 11	21 16	13 6	5 9	16 13	0 44	20 28	1 20	1 27	3 25	11 40	1 4	6 58	2 28	14 57	0 46	22 34	0 57	1 14	15 28	23 13	23 16	24 6	12 1	0 16
F 12	21 6	17 13	4 49	15 38	0 36	20 10	1 21	1 38	3 26	11 41	1 3	6 59	2 27	14 57	0 46	22 34	0 57	1 14	15 28	23 13	23 16	24 7	12 1	0 16
S 13	20 55	20 34	4 15	15 3	0 28	19 53	1 22	1 49	3 27	11 43	1 3	7 0	2 27	14 58	0 46	22 34	0 57	1 13	15 27	23 13	23 17	24 7	12 1	0 16
S 14	20 44	23 3	3 32	14 27	0 19	19 34	1 23	2 0	3 28	11 44	1 3	7 1	2 27	14 59	0 46	22 34	0 57	1 12	15 27	23 13	23 17	24 8	12 2	0 16
M15	20 32	24 31	2 39	13 52	0 10	19 15	1 24	2 11	3 29	11 46	1 3	7 2	2 27	14 59	0 46	22 34	0 57	1 12	15 26	23 13	23 17	24 8	12 2	0 16
T 16	20 21	24 52	1 39	13 16	0 1	18 56	1 25	2 21	3 30	11 47	1 2	7 3	2 26	15 0	0 46	22 34	0 57	1 11	15 26	23 13	23 17	24 9	12 2	0 16
W17	20 8	24 5	0 35	12 41	0s 8	18 36	1 25	2 31	3 31	11 49	1 2	7 4	2 26	15 1	0 46	22 34	0 57	1 11	15 25	23 13	23 17	24 9	12 2	0 16
T 18	19 56	22 10	0n32	12 5	0 18	18 15	1 26	2 42	3 32	11 50	1 2	7 6	2 26	15 2	0 46	22 34	0 57	1 10	15 24	23 13	23 17	24 10	12 3	0 16
F 19	19 43	19 11	1 38	11 30	0 28	17 54	1 26	2 52	3 33	11 52	1 2	7 7	2 26	15 2	0 46	22 34	0 57	1 9	15 24	23 13	23 18	24 10	12 3	0 17
S 20	19 30	15 17	2 41	10 56	0 38	17 33	1 27	3 2	3 33	11 54	1 1	7 8	2 25	15 3	0 46	22 34	0 57	1 9	15 23	23 13	23 18	24 10	12 3	0 17
S 21	19 16	10 38	3 36	10 21	0 48	17 11	1 27	3 11	3 34	11 56	1 1	7 9	2 25	15 4	0 46	22 34	0 57	1 8	15 23	23 13	23 18	24 11	12 3	0 17
M22	19 2	5 27	4 22	9 47	0 58	16 48	1 27	3 21	3 35	11 58	1 1	7 11	2 25	15 4	0 46	22 34	0 57	1 7	15 22	23 14	23 18	24 11	12 3	0 17
T 23	18 48	0n 4	4 54	9 14	1 9	16 25	1 28	3 31	3 36	12 0	1 1	7 12	2 25	15 5	0 46	22 34	0 57	1 7	15 22	23 14	23 18	24 11	12 3	0 17
W24	18 34	5 39	5 11	8 41	1 19	16 2	1 28	3 40	3 37	12 2	1 0	7 13	2 24	15 6	0 46	22 34	0 57	1 6	15 21	23 14	23 19	24 12	12 3	0 17
T 25	18 19	11 3	5 11	8 9	1 30	15 38	1 28	3 49	3 38	12 4	1 0	7 15	2 24	15 7	0 46	22 34	0 57	1 5	15 20	23 14	23 19	24 12	12 3	0 17
F 26	18 4	15 59	4 53	7 37	1 41	15 14	1 28	3 58	3 39	12 6	1 0	7 16	2 24	15 7	0 46	22 34	0 57	1 5	15 20	23 15	23 19	24 13	12 3	0 17
S 27	17 48	20 7	4 17	7 7	1 52	14 49	1 28	4 6	3 39	12 8	1 0	7 18	2 24	15 8	0 46	22 33	0 57	1 4	15 19	23 15	23 19	24 13	12 3	0 17
S 28	17 33	23 7	3 25	6 37	2 3	14 24	1 28	4 15	3 40	12 10	0 59	7 19	2 23	15 9	0 46	22 33	0 57	1 3	15 19	23 15	23 19	24 13	12 3	0 17
M29	17 17	24 41	2 20	6 9	2 14	13 58	1 28	4 23	3 41	12 12	0 59	7 21	2 23	15 10	0 46	22 33	0 57	1 2	15 18	23 14	23 20	24 14	12 3	0 18
T 30	17 0	24 36	1 6	5 41	2 25	13 32	1 28	4 31	3 42	12 15	0 59	7 22	2 23	15 11	0 46	22 33	0 57	1 2	15 18	23 14	23 20	24 14	12 3	0 18
W31	16n44	22n51	0s13	5n16	2s36	13n 6	1n27	4n39	3s43	12s17	0n59	7s24	2n23	15s11	0s46	22n33	0s57	1n 1	15n17	23s14	23s20	24s14	12n 3	0s18

Julian Day Number = 2176705.5, Delta T = 11m50s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'47, Lahiri = 13°21'48 Julian Calendar 1 July 1247 == Greg. Calendar 8 July 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

AUGUST 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 52	14♌49'52	25♋35	11♍ 8	0♍36	21♈ 1	4♏59	24♎47	21°R15	2♋33	5♏34	8°R52	7♑19	8♐15	2°R19	T 1
F 2	21 8 49	15°47'38	9♌52	11°42	1°49	21°23	5° 6	24°50	21♒12	2°35	5°34	8♑49	7°15	8°21	2♉19	F 2
S 3	21 12 46	16°45'26	23°55	12°12	3° 3	21°45	5°12	24°54	21°10	2°37	5°35	8°44	7°12	8°28	2°18	S 3
S 4	21 16 42	17°43'16	7♍41	12°38	4°17	22° 5	5°19	24°58	21° 8	2°39	5°36	8°38	7° 9	8°35	2°18	S 4
M 5	21 20 39	18°41'07	21° 8	12°59	5°31	22°26	5°26	25° 3	21° 5	2°40	5°37	8°32	7° 6	8°41	2°18	M 5
T 6	21 24 35	19°38'59	4♎12	13°16	6°45	22°45	5°33	25° 7	21° 3	2°42	5°38	8°25	7° 3	8°48	2°18	T 6
W 7	21 28 32	20°36'52	16°55	13°27	7°59	23° 4	5°40	25°11	21° 0	2°44	5°39	8°20	7° 0	8°55	2°17	W 7
T 8	21 32 28	21°34'47	29°19	13°32	9°13	23°23	5°48	25°15	20°58	2°45	5°40	8°15	6°56	9° 1	2°17	T 8
F 9	21 36 25	22°32'43	11♏28	13°R33	10°27	23°41	5°55	25°20	20°56	2°47	5°41	8°13	6°53	9° 8	2°16	F 9
S 10	21 40 21	23°30'41	23°25	13°27	11°41	23°58	6° 3	25°24	20°53	2°48	5°42	8°D12	6°50	9°15	2°16	S 10
S 11	21 44 18	24°28'40	5♐16	13°15	12°55	24°14	6°11	25°29	20°51	2°50	5°43	8°13	6°47	9°21	2°15	S 11
M12	21 48 14	25°26'40	17° 5	12°57	14° 9	24°30	6°19	25°33	20°48	2°51	5°44	8°14	6°44	9°28	2°14	M12
T 13	21 52 11	26°24'42	28°59	12°33	15°23	24°46	6°27	25°38	20°46	2°53	5°45	8°15	6°41	9°35	2°14	T 13
W14	21 56 8	27°22'45	11♑ 1	12° 3	16°37	25° 0	6°35	25°43	20°44	2°54	5°46	8°R16	6°37	9°41	2°13	W14
T 15	22 0 4	28°20'50	23°16	11°27	17°51	25°14	6°43	25°48	20°41	2°56	5°48	8°14	6°34	9°48	2°12	T 15
F 16	22 4 1	29°18'56	5♒47	10°45	19° 4	25°27	6°51	25°53	20°39	2°57	5°49	8°11	6°31	9°55	2°11	F 16
S 17	22 7 57	0♍17'04	18°35	9°58	20°18	25°40	7° 0	25°58	20°37	2°59	5°50	8° 6	6°28	10° 1	2°10	S 17
S 18	22 11 54	1°15'14	1♓41	9° 7	21°32	25°51	7° 8	26° 3	20°34	3° 0	5°51	7°58	6°25	10° 8	2° 9	S 18
M19	22 15 50	2°13'25	15° 5	8°12	22°46	26° 2	7°17	26° 8	20°32	3° 1	5°53	7°49	6°21	10°15	2° 8	M19
T 20	22 19 47	3°11'38	28°43	7°14	24° 0	26°13	7°26	26°13	20°30	3° 3	5°54	7°40	6°18	10°21	2° 7	T 20
W21	22 23 43	4° 9'53	12♈34	6°15	25°14	26°22	7°35	26°18	20°27	3° 4	5°55	7°31	6°15	10°28	2° 6	W21
T 22	22 27 40	5° 8'11	26°33	5°15	26°28	26°31	7°44	26°23	20°25	3° 5	5°57	7°24	6°12	10°35	2° 4	T 22
F 23	22 31 37	6° 6'30	10♉38	4°16	27°41	26°38	7°53	26°29	20°23	3° 6	5°58	7°19	6° 9	10°41	2° 3	F 23
S 24	22 35 33	7° 4'51	24°45	3°19	28°55	26°45	8° 2	26°34	20°20	3° 8	6° 0	7°17	6° 6	10°48	2° 2	S 24
S 25	22 39 30	8° 3'15	8♊53	2°26	0♎ 9	26°52	8°12	26°40	20°18	3° 9	6° 1	7°D16	6° 2	10°55	2° 0	S 25
M26	22 43 26	9° 1'41	23° 1	1°38	1°23	26°57	8°21	26°45	20°16	3°10	6° 3	7°17	5°59	11° 1	1°59	M26
T 27	22 47 23	10° 0'09	7♋ 7	0°56	2°37	27° 1	8°31	26°51	20°14	3°11	6° 4	7°R17	5°56	11° 8	1°57	T 27
W28	22 51 19	10°58'40	21°10	0°22	3°51	27° 5	8°40	26°56	20°12	3°12	6° 6	7°16	5°53	11°15	1°56	W28
T 29	22 55 16	11°57'12	5♌ 8	29♌55	5° 4	27° 8	8°50	27° 2	20° 9	3°13	6° 7	7°13	5°50	11°21	1°54	T 29
F 30	22 59 12	12°55'47	18°59	29°38	6°18	27°10	9° 0	27° 8	20° 7	3°14	6° 9	7° 8	5°46	11°28	1°53	F 30
S 31	23 3 9	13♍54'24	2♍40	29°D29	7♎32	27♈11	9♏10	27♎14	20♒ 5	3♋15	6♏11	7♑ 0	5♑43	11♐34	1♉51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n27	19n38	1s30	4n51	2s47	12n40	1n27	4n47	3s43	12s19	0n58	7s26	2n22	15s12	0s46	22n33	0s58	1n 0	15n16	23s14	23s20	24s15	12n 3	0s18
F 2	16 10	15 16	2 41	4 28	2 57	12 13	1 27	4 55	3 44	12 22	0 58	7 27	2 22	15 13	0 46	22 33	0 58	0 59	15 16	23 15	23 20	24 15	12 3	0 18
S 3	15 53	10 8	3 41	4 7	3 8	11 46	1 26	5 2	3 45	12 24	0 58	7 29	2 22	15 14	0 46	22 33	0 58	0 59	15 15	23 15	23 20	24 15	12 3	0 18
S 4	15 35	4 36	4 26	3 48	3 18	11 18	1 25	5 9	3 45	12 27	0 58	7 30	2 22	15 14	0 46	22 33	0 58	0 58	15 15	23 15	23 21	24 16	12 2	0 18
M 5	15 17	1s 0	4 56	3 31	3 28	10 50	1 25	5 16	3 46	12 29	0 57	7 32	2 22	15 15	0 46	22 33	0 58	0 57	15 14	23 16	23 21	24 16	12 2	0 18
T 6	14 59	6 24	5 9	3 16	3 37	10 22	1 24	5 23	3 46	12 32	0 57	7 34	2 21	15 16	0 46	22 33	0 58	0 56	15 14	23 16	23 21	24 16	12 2	0 18
W 7	14 41	11 23	5 6	3 3	3 46	9 54	1 23	5 29	3 47	12 34	0 57	7 36	2 21	15 17	0 46	22 33	0 58	0 55	15 13	23 16	23 21	24 16	12 2	0 18
T 8	14 22	15 47	4 49	2 54	3 54	9 25	1 23	5 36	3 47	12 37	0 57	7 37	2 21	15 18	0 46	22 33	0 58	0 55	15 13	23 17	23 21	24 17	12 1	0 19
F 9	14 3	19 26	4 19	2 47	4 2	8 56	1 22	5 42	3 48	12 40	0 57	7 39	2 21	15 18	0 46	22 33	0 58	0 54	15 12	23 17	23 21	24 17	12 1	0 19
S 10	13 44	22 14	3 39	2 42	4 9	8 27	1 21	5 48	3 48	12 42	0 56	7 41	2 20	15 19	0 46	22 33	0 58	0 53	15 12	23 17	23 22	24 17	12 1	0 19
S 11	13 25	24 2	2 49	2 41	4 15	7 58	1 20	5 53	3 49	12 45	0 56	7 43	2 20	15 20	0 46	22 33	0 58	0 52	15 11	23 17	23 22	24 17	12 1	0 19
M12	13 6	24 46	1 52	2 44	4 19	7 28	1 19	5 59	3 49	12 48	0 56	7 45	2 20	15 21	0 46	22 33	0 58	0 51	15 10	23 17	23 22	24 18	12 0	0 19
T 13	12 46	24 22	0 50	2 50	4 23	6 58	1 17	6 4	3 49	12 51	0 56	7 47	2 20	15 21	0 46	22 33	0 58	0 50	15 10	23 17	23 22	24 18	12 0	0 19
W14	12 26	22 50	0n15	2 59	4 25	6 29	1 16	6 9	3 50	12 54	0 55	7 49	2 20	15 22	0 46	22 33	0 58	0 49	15 9	23 17	23 22	24 18	12 0	0 19
T 15	12 6	20 12	1 20	3 12	4 26	5 58	1 15	6 14	3 50	12 57	0 55	7 51	2 19	15 23	0 46	22 33	0 58	0 49	15 9	23 17	23 22	24 18	11 59	0 19
F 16	11 46	16 36	2 23	3 29	4 25	5 28	1 14	6 18	3 50	13 0	0 55	7 53	2 19	15 24	0 46	22 33	0 58	0 48	15 8	23 17	23 23	24 19	11 59	0 19
S 17	11 25	12 10	3 19	3 49	4 22	4 58	1 12	6 23	3 50	13 3	0 55	7 55	2 19	15 24	0 46	22 32	0 58	0 47	15 8	23 17	23 23	24 19	11 58	0 19
S 18	11 4	7 5	4 7	4 12	4 18	4 27	1 11	6 27	3 51	13 6	0 55	7 57	2 19	15 25	0 46	22 32	0 58	0 46	15 7	23 18	23 23	24 19	11 58	0 20
M19	10 44	1 34	4 42	4 38	4 11	3 56	1 9	6 31	3 51	13 9	0 54	7 59	2 19	15 26	0 46	22 32	0 58	0 45	15 7	23 18	23 23	24 19	11 57	0 20
T 20	10 23	4n 6	5 2	5 8	4 3	3 26	1 8	6 34	3 51	13 12	0 54	8 1	2 18	15 27	0 46	22 32	0 58	0 44	15 6	23 19	23 23	24 19	11 57	0 20
W21	10 1	9 39	5 4	5 39	3 53	2 55	1 6	6 38	3 51	13 15	0 54	8 3	2 18	15 27	0 46	22 32	0 58	0 43	15 6	23 19	23 23	24 20	11 56	0 20
T 22	9 40	14 45	4 49	6 12	3 40	2 24	1 4	6 41	3 51	13 18	0 54	8 5	2 18	15 28	0 46	22 32	0 58	0 42	15 5	23 20	23 23	24 20	11 56	0 20
F 23	9 18	19 7	4 16	6 47	3 26	1 53	1 2	6 44	3 51	13 21	0 54	8 7	2 18	15 29	0 46	22 32	0 58	0 41	15 5	23 20	23 24	24 20	11 55	0 20
S 24	8 57	22 23	3 27	7 22	3 11	1 21	1 1	6 46	3 50	13 24	0 53	8 9	2 18	15 30	0 46	22 32	0 58	0 41	15 4	23 20	23 24	24 20	11 55	0 20
S 25	8 35	24 16	2 26	7 57	2 54	0 50	0 59	6 49	3 50	13 27	0 53	8 11	2 18	15 30	0 46	22 32	0 58	0 40	15 4	23 20	23 24	24 20	11 54	0 20
M26	8 13	24 37	1 16	8 30	2 36	0 19	0 57	6 51	3 50	13 31	0 53	8 13	2 17	15 31	0 46	22 32	0 58	0 39	15 3	23 20	23 24	24 21	11 54	0 20
T 27	7 51	23 22	0 1	9 3	2 17	0s12	0 55	6 53	3 50	13 34	0 53	8 15	2 17	15 32	0 46	22 32	0 58	0 38	15 3	23 20	23 24	24 21	11 53	0 20
W28	7 29	20 39	1s13	9 33	1 58	0 44	0 53	6 55	3 49	13 37	0 53	8 18	2 17	15 32	0 46	22 32	0 58	0 37	15 2	23 20	23 24	24 21	11 52	0 21
T 29	7 6	16 45	2 23	10 1	1 38	1 15	0 51	6 56	3 49	13 41	0 52	8 20	2 17	15 33	0 46	22 32	0 58	0 36	15 2	23 20	23 25	24 21	11 52	0 21
F 30	6 44	11 59	3 23	10 25	1 19	1 46	0 49	6 57	3 48	13 44	0 52	8 22	2 17	15 34	0 46	22 32	0 58	0 35	15 2	23 21	23 25	24 21	11 51	0 21
S 31	6n21	6n40	4s10	10n46	0s59	2s18	0n46	6n58	3s48	13s47	0n52	8s24	2n16	15s34	0s46	22n32	0s58	0n34	15n 1	23s21	23s25	24s21	11n50	0s21

Julian Day Number = 2176736.5, Delta T = 11m50s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'52, Lahiri = 13°21'52 Julian Calendar 1 Aug. 1247 == Greg. Calendar 8 Aug. 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

SEPTEMBER 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 6	14♍53'02	16♍ 9	29♌31	8♎46	27°R11	9♏20	27♎19	20°R 3	3♋16	6♏12	6°R49	5♑40	11♐41	1°R49	S 1
M 2	23 11 2	15°51'43	29°21	29°42	10° 0	27♈10	9°30	27°25	20♒ 1	3°17	6°14	6♑37	5°37	11°48	1♉47	M 2
T 3	23 14 59	16°50'25	12♎17	0♍ 2	11°13	27° 8	9°41	27°31	19°59	3°18	6°16	6°25	5°34	11°54	1°45	T 3
W 4	23 18 55	17°49'10	24°54	0°32	12°27	27° 6	9°51	27°37	19°57	3°19	6°18	6°15	5°31	12° 1	1°44	W 4
T 5	23 22 52	18°47'56	7♏15	1°11	13°41	27° 2	10° 2	27°43	19°55	3°20	6°19	6° 6	5°27	12° 8	1°42	T 5
F 6	23 26 48	19°46'44	19°22	1°59	14°55	26°58	10°12	27°49	19°53	3°20	6°21	5°59	5°24	12°14	1°40	F 6
S 7	23 30 45	20°45'34	1♐18	2°55	16° 8	26°53	10°23	27°56	19°51	3°21	6°23	5°56	5°21	12°21	1°38	S 7
S 8	23 34 41	21°44'26	13° 7	3°58	17°22	26°46	10°34	28° 2	19°49	3°22	6°25	5°54	5°18	12°28	1°35	S 8
M 9	23 38 38	22°43'20	24°56	5° 7	18°36	26°39	10°44	28° 8	19°47	3°23	6°27	5°D54	5°15	12°34	1°33	M 9
T 10	23 42 35	23°42'15	6♑49	6°23	19°49	26°32	10°55	28°14	19°45	3°23	6°29	5°R54	5°12	12°41	1°31	T 10
W11	23 46 31	24°41'12	18°52	7°45	21° 3	26°23	11° 6	28°21	19°43	3°24	6°31	5°53	5° 8	12°48	1°29	W11
T 12	23 50 28	25°40'11	1♒10	9°11	22°17	26°13	11°17	28°27	19°41	3°25	6°33	5°51	5° 5	12°54	1°27	T 12
F 13	23 54 24	26°39'12	13°47	10°41	23°30	26° 3	11°28	28°33	19°40	3°25	6°35	5°46	5° 2	13° 1	1°24	F 13
S 14	23 58 21	27°38'15	26°47	12°14	24°44	25°52	11°40	28°40	19°38	3°26	6°37	5°39	4°59	13° 8	1°22	S 14
S 15	0 2 17	28°37'19	10♓10	13°51	25°58	25°40	11°51	28°46	19°36	3°26	6°39	5°29	4°56	13°14	1°20	S 15
M16	0 6 14	29°36'26	23°54	15°30	27°11	25°27	12° 2	28°53	19°35	3°27	6°41	5°17	4°52	13°21	1°17	M16
T 17	0 10 10	0♎35'34	7♈58	17°10	28°25	25°14	12°14	28°59	19°33	3°27	6°43	5° 5	4°49	13°28	1°15	T 17
W18	0 14 7	1°34'45	22°16	18°53	29°38	25° 0	12°25	29° 6	19°31	3°28	6°45	4°53	4°46	13°34	1°12	W18
T 19	0 18 3	2°33'58	6♉42	20°36	0♏52	24°45	12°37	29°13	19°30	3°28	6°47	4°44	4°43	13°41	1°10	T 19
F 20	0 22 0	3°33'13	21°10	22°20	2° 6	24°29	12°49	29°19	19°28	3°28	6°49	4°37	4°40	13°48	1° 7	F 20
S 21	0 25 57	4°32'31	5♊34	24° 5	3°19	24°13	13° 0	29°26	19°27	3°29	6°51	4°32	4°37	13°54	1° 5	S 21
S 22	0 29 53	5°31'51	19°51	25°51	4°33	23°57	13°12	29°33	19°25	3°29	6°53	4°31	4°33	14° 1	1° 2	S 22
M23	0 33 50	6°31'14	3♋58	27°36	5°46	23°39	13°24	29°40	19°24	3°29	6°55	4°30	4°30	14° 8	1° 0	M23
T 24	0 37 46	7°30'38	17°56	29°21	7° 0	23°22	13°36	29°46	19°23	3°29	6°57	4°30	4°27	14°14	0°57	T 24
W25	0 41 43	8°30'06	1♌43	1♎ 7	8°13	23° 3	13°48	29°53	19°21	3°30	7° 0	4°29	4°24	14°21	0°54	W25
T 26	0 45 39	9°29'35	15°20	2°52	9°26	22°45	14° 0	29°59	19°20	3°30	7° 2	4°25	4°21	14°28	0°51	T 26
F 27	0 49 36	10°29'07	28°48	4°36	10°40	22°25	14°12	0♏ 7	19°19	3°30	7° 4	4°19	4°18	14°34	0°49	F 27
S 28	0 53 32	11°28'41	12♍ 5	6°21	11°53	22° 6	14°24	0°14	19°18	3°30	7° 6	4° 9	4°14	14°41	0°46	S 28
S 29	0 57 29	12°28'17	25°10	8° 4	13° 7	21°46	14°36	0°21	19°16	3°30	7° 8	3°57	4°11	14°47	0°43	S 29
M30	1 1 26	13♎27'55	8♎ 4	9♎48	14♏20	21♈26	14♏49	0♏28	19♒15	3°R30	7♏11	3♑44	4♑ 8	14♐54	0♉40	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n59	1n 8	4s43	11n 3	0s40	2s49	0n44	6n59	3s47	13s51	0n52	8s27	2n16	15s35	0s46	22n32	0s58	0n33	15n 1	23s22	23s25	24s21	11n50	0s21
M 2	5 36	4s19	5 0	11 17	0 22	3 20	0 42	6 59	3 46	13 54	0 52	8 29	2 16	15 36	0 46	22 32	0 58	0 32	15 0	23 22	23 25	24 21	11 49	0 21
T 3	5 13	9 29	5 1	11 26	0 5	3 51	0 39	6 59	3 46	13 58	0 51	8 31	2 16	15 36	0 46	22 32	0 58	0 31	15 0	23 23	23 25	24 22	11 48	0 21
W 4	4 50	14 7	4 46	11 30	0n11	4 22	0 37	6 59	3 45	14 1	0 51	8 33	2 16	15 37	0 46	22 32	0 58	0 30	14 59	23 23	23 25	24 22	11 47	0 21
T 5	4 27	18 4	4 19	11 30	0 26	4 53	0 35	6 59	3 44	14 4	0 51	8 36	2 16	15 38	0 46	22 32	0 58	0 29	14 59	23 24	23 25	24 22	11 47	0 21
F 6	4 4	21 10	3 41	11 26	0 40	5 24	0 32	6 58	3 43	14 8	0 51	8 38	2 16	15 38	0 46	22 32	0 58	0 28	14 59	23 24	23 26	24 22	11 46	0 21
S 7	3 41	23 19	2 53	11 18	0 53	5 55	0 30	6 57	3 42	14 11	0 51	8 40	2 15	15 39	0 46	22 32	0 58	0 27	14 58	23 24	23 26	24 22	11 45	0 22
S 8	3 17	24 25	1 58	11 6	1 5	6 26	0 27	6 56	3 40	14 15	0 51	8 43	2 15	15 39	0 46	22 31	0 58	0 26	14 58	23 24	23 26	24 22	11 44	0 22
M 9	2 54	24 24	0 58	10 50	1 15	6 56	0 25	6 55	3 39	14 19	0 50	8 45	2 15	15 40	0 46	22 31	0 58	0 25	14 57	23 24	23 26	24 22	11 43	0 22
T 10	2 31	23 17	0n 5	10 30	1 24	7 27	0 22	6 54	3 38	14 22	0 50	8 47	2 15	15 40	0 46	22 31	0 58	0 24	14 57	23 24	23 26	24 22	11 43	0 22
W11	2 7	21 5	1 8	10 7	1 32	7 57	0 19	6 52	3 36	14 26	0 50	8 50	2 15	15 41	0 46	22 31	0 58	0 23	14 57	23 24	23 26	24 22	11 42	0 22
T 12	1 44	17 52	2 10	9 41	1 38	8 27	0 17	6 50	3 35	14 29	0 50	8 52	2 15	15 42	0 46	22 31	0 58	0 23	14 56	23 24	23 26	24 22	11 41	0 22
F 13	1 20	13 47	3 6	9 11	1 43	8 57	0 14	6 48	3 33	14 33	0 50	8 55	2 15	15 42	0 46	22 31	0 58	0 22	14 56	23 25	23 26	24 22	11 40	0 22
S 14	0 57	8 57	3 55	8 39	1 48	9 27	0 11	6 45	3 31	14 36	0 50	8 57	2 14	15 43	0 46	22 31	0 58	0 21	14 55	23 25	23 27	24 22	11 39	0 22
S 15	0 33	3 36	4 32	8 5	1 51	9 56	0 8	6 43	3 29	14 40	0 49	8 59	2 14	15 43	0 46	22 31	0 58	0 20	14 55	23 25	23 27	24 22	11 38	0 22
M16	0 9	2n 5	4 55	7 29	1 53	10 26	0 6	6 40	3 27	14 44	0 49	9 2	2 14	15 44	0 46	22 31	0 58	0 19	14 55	23 26	23 27	24 22	11 37	0 22
T 17	0s14	7 46	5 0	6 51	1 55	10 55	0 3	6 37	3 25	14 47	0 49	9 4	2 14	15 44	0 46	22 31	0 58	0 18	14 54	23 26	23 27	24 22	11 36	0 23
W18	0 38	13 8	4 47	6 11	1 55	11 23	0s 0	6 34	3 23	14 51	0 49	9 7	2 14	15 45	0 45	22 31	0 58	0 17	14 54	23 27	23 27	24 22	11 35	0 23
T 19	1 1	17 49	4 15	5 30	1 55	11 52	0 3	6 31	3 21	14 55	0 49	9 9	2 14	15 45	0 45	22 31	0 58	0 16	14 54	23 27	23 27	24 22	11 34	0 23
F 20	1 25	21 28	3 28	4 48	1 54	12 20	0 6	6 27	3 18	14 58	0 49	9 12	2 14	15 46	0 45	22 31	0 58	0 15	14 53	23 27	23 27	24 22	11 33	0 23
S 21	1 49	23 43	2 27	4 4	1 52	12 48	0 9	6 24	3 16	15 2	0 49	9 14	2 14	15 46	0 45	22 31	0 58	0 14	14 53	23 28	23 27	24 22	11 32	0 23
S 22	2 12	24 25	1 17	3 20	1 50	13 16	0 12	6 20	3 13	15 6	0 48	9 16	2 14	15 46	0 45	22 31	0 59	0 13	14 53	23 28	23 28	24 22	11 31	0 23
M23	2 36	23 31	0 3	2 36	1 47	13 44	0 15	6 16	3 11	15 10	0 48	9 19	2 13	15 47	0 45	22 31	0 59	0 12	14 52	23 28	23 28	24 22	11 30	0 23
T 24	3 0	21 10	1s10	1 51	1 44	14 11	0 17	6 12	3 8	15 13	0 48	9 21	2 13	15 47	0 45	22 31	0 59	0 11	14 52	23 28	23 28	24 22	11 29	0 23
W25	3 23	17 36	2 19	1 5	1 40	14 37	0 20	6 8	3 5	15 17	0 48	9 24	2 13	15 48	0 45	22 31	0 59	0 10	14 52	23 28	23 28	24 22	11 28	0 23
T 26	3 47	13 9	3 18	0 20	1 36	15 4	0 23	6 4	3 2	15 21	0 48	9 26	2 13	15 48	0 45	22 31	0 59	0 9	14 52	23 28	23 28	24 22	11 27	0 23
F 27	4 10	8 6	4 5	0s26	1 32	15 30	0 26	5 59	2 59	15 24	0 48	9 29	2 13	15 48	0 45	22 31	0 59	0 8	14 51	23 28	23 28	24 22	11 26	0 24
S 28	4 33	2 46	4 39	1 12	1 27	15 56	0 29	5 55	2 56	15 28	0 48	9 31	2 13	15 49	0 45	22 31	0 59	0 7	14 51	23 28	23 28	24 22	11 25	0 24
S 29	4 57	2s37	4 57	1 58	1 22	16 21	0 32	5 51	2 53	15 32	0 47	9 34	2 13	15 49	0 45	22 31	0 59	0 6	14 51	23 29	23 28	24 22	11 24	0 24
M30	5s20	7s47	5s 0	2s43	1n16	16s46	0s35	5n46	2s50	15s36	0n47	9s36	2n13	15s49	0s45	22n31	0s59	0n 5	14n51	23s29	23s28	24s22	11n23	0s24

Julian Day Number = 2176767.5, Delta T = 11m50s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°14'56, Lahiri = 13°21'56 Julian Calendar 1 Sept. 1247 == Greg. Calendar 8 Sept. 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

OCTOBER 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 22	14♎27'36	20♎44	11♎30	15♏34	21°R 6	15♏ 1	0♏35	19°R14	3°R30	7♏13	3°R31	4♑ 5	15♐ 1	0°R37	T 1
W 2	1 9 19	15°27'18	3♏10	13°13	16°47	20♈46	15°14	0°42	19♒13	3♋30	7°15	3♑18	4° 2	15° 7	0♉35	W 2
T 3	1 13 15	16°27'03	15°23	14°54	18° 0	20°25	15°26	0°49	19°12	3°30	7°18	3° 8	3°58	15°14	0°32	T 3
F 4	1 17 12	17°26'49	27°25	16°35	19°14	20° 5	15°38	0°56	19°11	3°30	7°20	3° 0	3°55	15°21	0°29	F 4
S 5	1 21 8	18°26'37	9♐18	18°16	20°27	19°45	15°51	1° 3	19°10	3°30	7°22	2°55	3°52	15°27	0°26	S 5
S 6	1 25 5	19°26'27	21° 5	19°56	21°40	19°24	16° 4	1°10	19°10	3°29	7°25	2°52	3°49	15°34	0°23	S 6
M 7	1 29 1	20°26'19	2♑52	21°35	22°54	19° 4	16°16	1°17	19° 9	3°29	7°27	2°D52	3°46	15°41	0°20	M 7
T 8	1 32 58	21°26'13	14°43	23°14	24° 7	18°44	16°29	1°24	19° 8	3°29	7°29	2°52	3°43	15°47	0°17	T 8
W 9	1 36 55	22°26'08	26°44	24°52	25°20	18°25	16°42	1°31	19° 7	3°29	7°32	2°R52	3°39	15°54	0°14	W 9
T 10	1 40 51	23°26'05	9♒ 0	26°30	26°33	18° 5	16°54	1°38	19° 7	3°28	7°34	2°51	3°36	16° 1	0°11	T 10
F 11	1 44 48	24°26'04	21°37	28° 7	27°46	17°46	17° 7	1°45	19° 6	3°28	7°36	2°47	3°33	16° 7	0° 8	F 11
S 12	1 48 44	25°26'04	4♓38	29°43	29° 0	17°27	17°20	1°52	19° 6	3°28	7°39	2°42	3°30	16°14	0° 5	S 12
S 13	1 52 41	26°26'06	18° 7	1♏19	0♐13	17° 9	17°33	1°59	19° 5	3°27	7°41	2°34	3°27	16°21	0° 2	S 13
M14	1 56 37	27°26'09	2♈ 3	2°55	1°26	16°51	17°46	2° 6	19° 5	3°27	7°43	2°24	3°23	16°27	29♈59	M14
T 15	2 0 34	28°26'15	16°23	4°30	2°39	16°34	17°59	2°14	19° 4	3°26	7°46	2°13	3°20	16°34	29°56	T 15
W16	2 4 30	29°26'22	1♉ 2	6° 5	3°52	16°17	18°12	2°21	19° 4	3°26	7°48	2° 3	3°17	16°41	29°53	W16
T 17	2 8 27	0♏26'31	15°53	7°39	5° 5	16° 1	18°25	2°28	19° 4	3°25	7°51	1°55	3°14	16°47	29°50	T 17
F 18	2 12 24	1°26'42	0♊46	9°13	6°18	15°45	18°38	2°35	19° 3	3°24	7°53	1°49	3°11	16°54	29°47	F 18
S 19	2 16 20	2°26'55	15°34	10°47	7°31	15°30	18°51	2°42	19° 3	3°24	7°55	1°45	3° 8	17° 1	29°44	S 19
S 20	2 20 17	3°27'11	0♋10	12°20	8°44	15°16	19° 4	2°49	19° 3	3°23	7°58	1°D44	3° 4	17° 7	29°41	S 20
M21	2 24 13	4°27'28	14°31	13°53	9°57	15° 2	19°17	2°57	19° 3	3°23	8° 0	1°45	3° 1	17°14	29°38	M21
T 22	2 28 10	5°27'47	28°33	15°25	11°10	14°49	19°31	3° 4	19°D 3	3°22	8° 3	1°46	2°58	17°20	29°35	T 22
W23	2 32 6	6°28'09	12♌18	16°58	12°23	14°36	19°44	3°11	19° 3	3°21	8° 5	1°R46	2°55	17°27	29°32	W23
T 24	2 36 3	7°28'32	25°46	18°29	13°35	14°25	19°57	3°18	19° 3	3°20	8° 8	1°44	2°52	17°34	29°29	T 24
F 25	2 39 59	8°28'57	8♍58	20° 1	14°48	14°14	20°10	3°25	19° 3	3°19	8°10	1°40	2°49	17°40	29°26	F 25
S 26	2 43 56	9°29'24	21°56	21°32	16° 1	14° 4	20°24	3°32	19° 3	3°19	8°12	1°34	2°45	17°47	29°23	S 26
S 27	2 47 53	10°29'53	4♎41	23° 3	17°14	13°55	20°37	3°39	19° 3	3°18	8°15	1°25	2°42	17°54	29°20	S 27
M28	2 51 49	11°30'24	17°15	24°33	18°26	13°46	20°50	3°47	19° 4	3°17	8°17	1°16	2°39	18° 0	29°17	M28
T 29	2 55 46	12°30'57	29°37	26° 3	19°39	13°38	21° 4	3°54	19° 4	3°16	8°20	1° 6	2°36	18° 7	29°14	T 29
W30	2 59 42	13°31'31	11♏50	27°33	20°52	13°31	21°17	4° 1	19° 4	3°15	8°22	0°57	2°33	18°14	29°11	W30
T 31	3 3 39	14♏32'07	23♏53	29♏ 3	22♐ 4	13♈25	21♏30	4♏ 8	19♒ 5	3♋14	8♏25	0♑50	2♑29	18♐20	29♈ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s43	12s33	4s47	3s29	1n11	17s10	0s38	5n42	2s46	15s39	0n47	9s39	2n13	15s50	0s45	22n31	0s59	0n 4	14n50	23s29	23s28	24s22	11n22	0s24
W 2	6 7	16 42	4 21	4 14	1 5	17 34	0 41	5 38	2 43	15 43	0 47	9 41	2 13	15 50	0 45	22 31	0 59	0 4	14 50	23 30	23 29	24 22	11 21	0 24
T 3	6 30	20 5	3 44	4 59	0 59	17 58	0 44	5 33	2 39	15 47	0 47	9 44	2 13	15 50	0 45	22 31	0 59	0 3	14 50	23 30	23 29	24 22	11 20	0 24
F 4	6 53	22 31	2 56	5 44	0 53	18 21	0 47	5 29	2 36	15 51	0 47	9 46	2 13	15 51	0 45	22 31	0 59	0 2	14 50	23 30	23 29	24 22	11 19	0 24
S 5	7 15	23 56	2 2	6 28	0 47	18 44	0 50	5 24	2 32	15 54	0 47	9 49	2 13	15 51	0 45	22 31	0 59	0 1	14 49	23 30	23 29	24 22	11 17	0 24
S 6	7 38	24 16	1 2	7 12	0 40	19 6	0 53	5 20	2 28	15 58	0 47	9 51	2 12	15 51	0 45	22 31	0 59	0s 0	14 49	23 30	23 29	24 21	11 16	0 24
M 7	8 1	23 30	0n 0	7 55	0 34	19 28	0 56	5 16	2 25	16 2	0 46	9 54	2 12	15 51	0 45	22 31	0 59	0 1	14 49	23 30	23 29	24 21	11 15	0 24
T 8	8 24	21 41	1 3	8 38	0 27	19 49	0 59	5 12	2 21	16 6	0 46	9 56	2 12	15 51	0 45	22 31	0 59	0 2	14 49	23 30	23 29	24 21	11 14	0 25
W 9	8 46	18 52	2 4	9 21	0 21	20 10	1 1	5 8	2 17	16 9	0 46	9 59	2 12	15 52	0 45	22 31	0 59	0 3	14 49	23 30	23 29	24 21	11 13	0 25
T 10	9 8	15 11	3 0	10 3	0 14	20 30	1 4	5 4	2 13	16 13	0 46	10 1	2 12	15 52	0 45	22 31	0 59	0 4	14 48	23 30	23 29	24 21	11 12	0 25
F 11	9 30	10 44	3 49	10 44	0 7	20 50	1 7	5 0	2 9	16 17	0 46	10 4	2 12	15 52	0 45	22 31	0 59	0 5	14 48	23 30	23 29	24 21	11 11	0 25
S 12	9 53	5 41	4 28	11 25	0 1	21 9	1 10	4 57	2 5	16 21	0 46	10 6	2 12	15 52	0 45	22 31	0 59	0 5	14 48	23 31	23 29	24 21	11 10	0 25
S 13	10 14	0 12	4 54	12 5	0s 6	21 28	1 13	4 54	2 2	16 24	0 46	10 9	2 12	15 52	0 45	22 31	0 59	0 6	14 48	23 31	23 30	24 21	11 8	0 25
M14	10 36	5n27	5 4	12 44	0 13	21 46	1 15	4 50	1 58	16 28	0 46	10 11	2 12	15 52	0 45	22 31	0 59	0 7	14 48	23 31	23 30	24 20	11 7	0 25
T 15	10 58	10 59	4 54	13 23	0 19	22 3	1 18	4 47	1 54	16 32	0 45	10 14	2 12	15 52	0 45	22 31	0 59	0 8	14 48	23 31	23 30	24 20	11 6	0 25
W16	11 19	16 2	4 26	14 1	0 26	22 20	1 21	4 44	1 50	16 36	0 45	10 16	2 12	15 52	0 45	22 31	0 59	0 9	14 48	23 31	23 30	24 20	11 5	0 25
T 17	11 40	20 9	3 39	14 38	0 33	22 36	1 23	4 42	1 46	16 39	0 45	10 19	2 12	15 53	0 45	22 31	0 59	0 10	14 47	23 31	23 30	24 20	11 4	0 25
F 18	12 1	22 58	2 38	15 15	0 39	22 51	1 26	4 39	1 42	16 43	0 45	10 21	2 12	15 53	0 45	22 30	0 59	0 11	14 47	23 31	23 30	24 20	11 3	0 25
S 19	12 22	24 10	1 26	15 51	0 46	23 6	1 28	4 37	1 38	16 47	0 45	10 24	2 12	15 53	0 45	22 30	0 59	0 11	14 47	23 32	23 30	24 19	11 2	0 26
S 20	12 43	23 41	0 8	16 26	0 52	23 21	1 31	4 35	1 34	16 50	0 45	10 26	2 12	15 53	0 45	22 30	0 59	0 12	14 47	23 32	23 30	24 19	11 0	0 26
M21	13 4	21 37	1s 8	17 0	0 58	23 34	1 33	4 33	1 30	16 54	0 45	10 29	2 12	15 53	0 44	22 30	0 59	0 13	14 47	23 32	23 30	24 19	10 59	0 26
T 22	13 24	18 16	2 19	17 33	1 5	23 47	1 36	4 32	1 26	16 58	0 45	10 31	2 12	15 53	0 44	22 30	0 59	0 14	14 47	23 32	23 30	24 19	10 58	0 26
W23	13 44	13 59	3 20	18 6	1 11	24 0	1 38	4 31	1 23	17 1	0 45	10 33	2 12	15 53	0 44	22 30	0 59	0 15	14 47	23 32	23 30	24 19	10 57	0 26
T 24	14 4	9 5	4 9	18 38	1 17	24 11	1 40	4 30	1 19	17 5	0 45	10 36	2 12	15 53	0 44	22 30	0 59	0 15	14 47	23 32	23 30	24 18	10 56	0 26
F 25	14 23	3 52	4 43	19 8	1 22	24 22	1 43	4 29	1 15	17 9	0 44	10 38	2 12	15 52	0 44	22 30	0 59	0 16	14 47	23 32	23 30	24 18	10 55	0 26
S 26	14 43	1s25	5 2	19 38	1 28	24 32	1 45	4 28	1 11	17 12	0 44	10 41	2 12	15 52	0 44	22 30	0 59	0 17	14 47	23 32	23 30	24 18	10 54	0 26
S 27	15 2	6 33	5 6	20 7	1 34	24 42	1 47	4 28	1 8	17 16	0 44	10 43	2 12	15 52	0 44	22 30	0 59	0 18	14 47	23 32	23 31	24 18	10 52	0 26
M28	15 21	11 20	4 55	20 35	1 39	24 51	1 49	4 28	1 4	17 20	0 44	10 45	2 12	15 52	0 44	22 30	0 59	0 19	14 47	23 32	23 31	24 18	10 51	0 26
T 29	15 39	15 35	4 30	21 2	1 44	24 59	1 51	4 29	1 0	17 23	0 44	10 48	2 12	15 52	0 44	22 31	0 59	0 19	14 47	23 32	23 31	24 17	10 50	0 26
W30	15 58	19 8	3 53	21 28	1 49	25 6	1 53	4 29	0 57	17 27	0 44	10 50	2 12	15 52	0 44	22 31	0 59	0 20	14 47	23 32	23 31	24 17	10 49	0 26
T 31	16s16	21s49	3s 6	21s53	1s54	25s13	1s55	4n30	0s53	17s30	0n44	10s53	2n12	15s52	0s44	22n31	0s59	0s21	14n47	23s32	23s31	24s17	10n48	0s27

Julian Day Number = 2176797.5, Delta T = 11m50s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'00, Lahiri = 13°22'01 Julian Calendar 1 Oct. 1247 == Greg. Calendar 8 Oct. 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

NOVEMBER 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 7 35	15♏32'44	5♐48	0♐32	23♐17	13°R20	21♏44	4♏15	19♒ 5	3°R13	8♏27	0°R44	2♑26	18♐27	29°R 6	F 1
S 2	3 11 32	16°33'23	17°38	2° 0	24°29	13♈16	21°57	4°22	19° 6	3♋12	8°29	0♑41	2°23	18°34	29♈ 3	S 2
S 3	3 15 28	17°34'03	29°24	3°29	25°42	13°12	22°11	4°29	19° 6	3°11	8°32	0°D40	2°20	18°40	29° 0	S 3
M 4	3 19 25	18°34'45	11♑10	4°56	26°54	13° 9	22°24	4°36	19° 7	3°10	8°34	0°41	2°17	18°47	28°57	M 4
T 5	3 23 22	19°35'28	23° 0	6°23	28° 7	13° 7	22°37	4°43	19° 8	3° 9	8°37	0°42	2°14	18°54	28°54	T 5
W 6	3 27 18	20°36'11	5♒ 0	7°50	29°19	13° 6	22°51	4°50	19° 8	3° 8	8°39	0°44	2°10	19° 0	28°52	W 6
T 7	3 31 15	21°36'56	17°13	9°16	0♑31	13°D 6	23° 4	4°57	19° 9	3° 6	8°41	0°R45	2° 7	19° 7	28°49	T 7
F 8	3 35 11	22°37'42	29°45	10°41	1°44	13° 6	23°18	5° 4	19°10	3° 5	8°44	0°45	2° 4	19°14	28°46	F 8
S 9	3 39 8	23°38'29	12♓41	12° 5	2°56	13° 8	23°31	5°11	19°11	3° 4	8°46	0°43	2° 1	19°20	28°43	S 9
S 10	3 43 4	24°39'17	26° 4	13°29	4° 8	13°10	23°45	5°18	19°12	3° 3	8°49	0°39	1°58	19°27	28°41	S 10
M11	3 47 1	25°40'06	9♈56	14°51	5°20	13°13	23°58	5°25	19°13	3° 2	8°51	0°35	1°55	19°33	28°38	M11
T 12	3 50 57	26°40'56	24°17	16°12	6°32	13°16	24°11	5°32	19°14	3° 0	8°53	0°30	1°51	19°40	28°36	T 12
W13	3 54 54	27°41'47	9♉ 1	17°31	7°44	13°21	24°25	5°38	19°15	2°59	8°56	0°24	1°48	19°47	28°33	W13
T 14	3 58 51	28°42'39	24° 3	18°49	8°56	13°26	24°38	5°45	19°16	2°58	8°58	0°20	1°45	19°53	28°31	T 14
F 15	4 2 47	29°43'33	9♊14	20° 5	10° 8	13°32	24°52	5°52	19°17	2°56	9° 0	0°17	1°42	20° 0	28°28	F 15
S 16	4 6 44	0♐44'27	24°23	21°18	11°19	13°38	25° 5	5°59	19°18	2°55	9° 2	0°D16	1°39	20° 7	28°26	S 16
S 17	4 10 40	1°45'23	9♋22	22°29	12°31	13°45	25°19	6° 5	19°20	2°54	9° 5	0°16	1°35	20°13	28°23	S 17
M18	4 14 37	2°46'20	24° 3	23°37	13°43	13°53	25°32	6°12	19°21	2°52	9° 7	0°17	1°32	20°20	28°21	M18
T 19	4 18 33	3°47'18	8♌22	24°42	14°54	14° 2	25°45	6°19	19°22	2°51	9° 9	0°19	1°29	20°27	28°19	T 19
W20	4 22 30	4°48'17	22°16	25°42	16° 6	14°11	25°59	6°25	19°24	2°49	9°12	0°20	1°26	20°33	28°16	W20
T 21	4 26 26	5°49'17	5♍47	26°38	17°17	14°21	26°12	6°32	19°25	2°48	9°14	0°R20	1°23	20°40	28°14	T 21
F 22	4 30 23	6°50'19	18°56	27°28	18°28	14°32	26°26	6°38	19°27	2°46	9°16	0°20	1°20	20°47	28°12	F 22
S 23	4 34 20	7°51'22	1♎45	28°13	19°40	14°43	26°39	6°45	19°28	2°45	9°18	0°18	1°16	20°53	28°10	S 23
S 24	4 38 16	8°52'26	14°18	28°51	20°51	14°55	26°52	6°51	19°30	2°43	9°20	0°15	1°13	21° 0	28° 8	S 24
M25	4 42 13	9°53'31	26°38	29°21	22° 2	15° 7	27° 6	6°58	19°32	2°42	9°23	0°12	1°10	21° 7	28° 6	M25
T 26	4 46 9	10°54'36	8♏46	29°43	23°13	15°20	27°19	7° 4	19°33	2°40	9°25	0° 9	1° 7	21°13	28° 3	T 26
W27	4 50 6	11°55'43	20°46	29°56	24°24	15°34	27°32	7°10	19°35	2°39	9°27	0° 6	1° 4	21°20	28° 2	W27
T 28	4 54 2	12°56'51	2♐40	29°R58	25°34	15°48	27°45	7°17	19°37	2°37	9°29	0° 3	1° 1	21°26	28° 0	T 28
F 29	4 57 59	13°57'59	14°30	29°49	26°45	16° 3	27°59	7°23	19°39	2°35	9°31	0° 2	0°57	21°33	27°58	F 29
S 30	5 1 55	14♐59'08	26♐17	29♐29	27♑56	16♈18	28♏12	7♏29	19♒41	2♋34	9♏33	0°D 1	0♑54	21♐40	27♈56	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s34	23s30	2s11	22s16	1s58	25s19	1s57	4n31	0s50	17s34	0n44	10s55	2n12	15s52	0s44	22n31	0s59	0s21	14n47	23s32	23s31	24s16	10n47	0s27
S 2	16 51	24 7	1 10	22 39	2 2	25 24	1 59	4 32	0 47	17 37	0 44	10 57	2 12	15 51	0 44	22 31	0 59	0 22	14 47	23 32	23 31	24 16	10 46	0 27
S 3	17 9	23 39	0 7	23 0	2 6	25 28	2 0	4 34	0 43	17 41	0 44	11 0	2 12	15 51	0 44	22 31	0 59	0 23	14 47	23 32	23 31	24 16	10 45	0 27
M 4	17 25	22 7	0n57	23 20	2 10	25 32	2 2	4 36	0 40	17 45	0 44	11 2	2 12	15 51	0 44	22 31	0 59	0 24	14 47	23 32	23 31	24 16	10 44	0 27
T 5	17 42	19 37	1 59	23 39	2 13	25 35	2 4	4 38	0 37	17 48	0 44	11 4	2 12	15 51	0 44	22 31	0 59	0 24	14 47	23 32	23 31	24 15	10 43	0 27
W 6	17 58	16 15	2 56	23 57	2 16	25 37	2 5	4 41	0 34	17 52	0 43	11 7	2 12	15 50	0 44	22 31	0 59	0 25	14 47	23 32	23 31	24 15	10 42	0 27
T 7	18 15	12 8	3 47	24 13	2 19	25 39	2 6	4 44	0 30	17 55	0 43	11 9	2 12	15 50	0 44	22 31	0 59	0 26	14 47	23 32	23 31	24 15	10 41	0 27
F 8	18 30	7 25	4 28	24 28	2 21	25 39	2 8	4 47	0 27	17 58	0 43	11 11	2 12	15 50	0 44	22 31	0 59	0 26	14 47	23 32	23 31	24 14	10 40	0 27
S 9	18 46	2 15	4 57	24 42	2 23	25 39	2 9	4 50	0 24	18 2	0 43	11 13	2 12	15 49	0 44	22 31	0 59	0 27	14 47	23 32	23 31	24 14	10 38	0 27
S 10	19 1	3n11	5 11	24 54	2 25	25 38	2 10	4 53	0 21	18 5	0 43	11 16	2 12	15 49	0 44	22 31	0 59	0 28	14 47	23 32	23 31	24 14	10 37	0 27
M11	19 15	8 40	5 8	25 5	2 26	25 37	2 11	4 57	0 19	18 9	0 43	11 18	2 12	15 49	0 44	22 31	0 59	0 28	14 47	23 32	23 31	24 13	10 36	0 27
T 12	19 30	13 52	4 46	25 14	2 26	25 35	2 12	5 1	0 16	18 12	0 43	11 20	2 12	15 48	0 44	22 31	1 0	0 29	14 47	23 32	23 31	24 13	10 35	0 27
W13	19 44	18 25	4 4	25 22	2 26	25 32	2 13	5 5	0 13	18 15	0 43	11 22	2 13	15 48	0 44	22 31	1 0	0 29	14 47	23 32	23 31	24 13	10 34	0 28
T 14	19 57	21 51	3 6	25 29	2 25	25 28	2 14	5 10	0 10	18 19	0 43	11 25	2 13	15 48	0 44	22 31	1 0	0 30	14 48	23 32	23 32	24 12	10 34	0 28
F 15	20 10	23 47	1 53	25 33	2 24	25 23	2 15	5 15	0 8	18 22	0 43	11 27	2 13	15 47	0 44	22 31	1 0	0 31	14 48	23 32	23 32	24 12	10 33	0 28
S 16	20 23	23 57	0 32	25 36	2 22	25 18	2 15	5 20	0 5	18 25	0 43	11 29	2 13	15 47	0 44	22 31	1 0	0 31	14 48	23 32	23 32	24 12	10 32	0 28
S 17	20 36	22 22	0s50	25 38	2 19	25 12	2 16	5 25	0 3	18 29	0 43	11 31	2 13	15 46	0 44	22 31	1 0	0 32	14 48	23 32	23 32	24 11	10 31	0 28
M18	20 48	19 18	2 7	25 38	2 15	25 5	2 16	5 30	0 0	18 32	0 43	11 33	2 13	15 46	0 44	22 31	1 0	0 32	14 48	23 32	23 32	24 11	10 30	0 28
T 19	21 0	15 7	3 15	25 36	2 11	24 58	2 17	5 36	0n 2	18 35	0 43	11 35	2 13	15 46	0 43	22 31	1 0	0 33	14 48	23 32	23 32	24 11	10 29	0 28
W20	21 11	10 14	4 8	25 33	2 5	24 50	2 17	5 41	0 5	18 38	0 43	11 37	2 13	15 45	0 43	22 31	1 0	0 33	14 48	23 32	23 32	24 10	10 28	0 28
T 21	21 22	4 59	4 47	25 28	1 59	24 41	2 17	5 47	0 7	18 42	0 42	11 39	2 13	15 45	0 43	22 31	1 0	0 34	14 49	23 32	23 32	24 10	10 27	0 28
F 22	21 32	0s20	5 9	25 22	1 51	24 31	2 17	5 54	0 9	18 45	0 42	11 41	2 13	15 44	0 43	22 31	1 0	0 34	14 49	23 32	23 32	24 9	10 26	0 28
S 23	21 43	5 31	5 15	25 14	1 42	24 21	2 17	6 0	0 12	18 48	0 42	11 44	2 13	15 44	0 43	22 31	1 0	0 35	14 49	23 32	23 32	24 9	10 25	0 28
S 24	21 52	10 21	5 6	25 4	1 32	24 10	2 17	6 7	0 14	18 51	0 42	11 46	2 13	15 43	0 43	22 31	1 0	0 35	14 49	23 32	23 32	24 9	10 25	0 28
M25	22 1	14 42	4 43	24 53	1 21	23 58	2 16	6 13	0 16	18 54	0 42	11 48	2 13	15 42	0 43	22 31	1 0	0 36	14 49	23 32	23 32	24 8	10 24	0 28
T 26	22 10	18 22	4 7	24 41	1 9	23 46	2 16	6 20	0 18	18 57	0 42	11 50	2 14	15 42	0 43	22 31	1 0	0 36	14 49	23 32	23 32	24 8	10 23	0 28
W27	22 19	21 14	3 20	24 27	0 55	23 33	2 16	6 27	0 20	19 0	0 42	11 51	2 14	15 41	0 43	22 31	1 0	0 37	14 50	23 32	23 32	24 7	10 22	0 28
T 28	22 27	23 10	2 26	24 12	0 39	23 19	2 15	6 35	0 22	19 3	0 42	11 53	2 14	15 41	0 43	22 31	1 0	0 37	14 50	23 32	23 32	24 7	10 22	0 29
F 29	22 34	24 2	1 25	23 55	0 23	23 5	2 14	6 42	0 24	19 6	0 42	11 55	2 14	15 40	0 43	22 31	1 0	0 37	14 50	23 32	23 32	24 6	10 21	0 29
S 30	22s41	23s50	0s21	23s37	0s 5	22s50	2s13	6n50	0n26	19s 9	0n42	11s57	2n14	15s39	0s43	22n31	1s 0	0s38	14n50	23s32	23s32	24s 6	10n20	0s29

Julian Day Number = 2176828.5, Delta T = 11m50s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'04, Lahiri = 13°22'05 Julian Calendar 1 Nov. 1247 == Greg. Calendar 8 Nov. 1247

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ASTRODIENST EPHEMERIS for the year 1247
geocentric

DECEMBER 1247 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 52	16♐ 0'17	8♉ 4	28°R58	29♉ 6	16♈34	28♏25	7♏35	19♒42	2°R32	9♏35	0♉ 1	0♉51	21♐46	27°R54	S 1
M 2	5 9 49	17° 1'27	19°54	28♐14	0♒17	16°50	28°38	7°41	19°44	2♋31	9°37	0° 2	0°48	21°53	27♈52	M 2
T 3	5 13 45	18° 2'37	1♒48	27°20	1°27	17° 7	28°51	7°47	19°46	2°29	9°39	0° 3	0°45	22° 0	27°51	T 3
W 4	5 17 42	19° 3'48	13°51	26°16	2°37	17°25	29° 4	7°53	19°49	2°27	9°41	0° 4	0°41	22° 6	27°49	W 4
T 5	5 21 38	20° 4'58	26° 5	25° 4	3°47	17°42	29°17	7°59	19°51	2°26	9°43	0° 5	0°38	22°13	27°47	T 5
F 6	5 25 35	21° 6'09	8♓36	23°46	4°57	18° 1	29°30	8° 5	19°53	2°24	9°45	0° 6	0°35	22°20	27°46	F 6
S 7	5 29 31	22° 7'19	21°27	22°24	6° 7	18°20	29°43	8°11	19°55	2°22	9°47	0°R 6	0°32	22°26	27°45	S 7
S 8	5 33 28	23° 8'30	4♈41	21° 2	7°17	18°39	29°56	8°17	19°57	2°21	9°49	0° 6	0°29	22°33	27°43	S 8
M 9	5 37 24	24° 9'41	18°21	19°41	8°26	18°59	0♐ 9	8°23	19°59	2°19	9°51	0° 5	0°26	22°40	27°42	M 9
T 10	5 41 21	25°10'51	2♉28	18°26	9°35	19°19	0°22	8°28	20° 2	2°17	9°53	0° 5	0°22	22°46	27°40	T 10
W11	5 45 18	26°12'02	17° 1	17°17	10°45	19°39	0°35	8°34	20° 4	2°16	9°55	0° 4	0°19	22°53	27°39	W11
T 12	5 49 14	27°13'12	1♊55	16°16	11°54	20° 0	0°48	8°39	20° 6	2°14	9°57	0° 4	0°16	23° 0	27°38	T 12
F 13	5 53 11	28°14'23	17° 4	15°25	13° 3	20°21	1° 0	8°45	20° 9	2°12	9°58	0° 4	0°13	23° 6	27°37	F 13
S 14	5 57 7	29°15'34	2♋19	14°44	14°11	20°43	1°13	8°50	20°11	2°11	10° 0	0°D 4	0°10	23°13	27°36	S 14
S 15	6 1 4	0♉16'44	17°30	14°14	15°20	21° 5	1°26	8°56	20°14	2° 9	10° 2	0°R 4	0° 7	23°19	27°35	S 15
M16	6 5 0	1°17'55	2♌27	13°53	16°28	21°28	1°38	9° 1	20°16	2° 7	10° 4	0° 4	0° 3	23°26	27°34	M16
T 17	6 8 57	2°19'06	17° 3	13°43	17°36	21°50	1°51	9° 6	20°19	2° 6	10° 5	0° 4	0° 0	23°33	27°33	T 17
W18	6 12 54	3°20'16	1♍13	13°D42	18°44	22°14	2° 3	9°11	20°21	2° 4	10° 7	0° 3	29♐57	23°39	27°32	W18
T 19	6 16 50	4°21'27	14°56	13°50	19°52	22°37	2°16	9°16	20°24	2° 2	10° 9	0° 3	29°54	23°46	27°31	T 19
F 20	6 20 47	5°22'38	28°12	14° 6	21° 0	23° 1	2°28	9°21	20°27	2° 0	10°10	0° 3	29°51	23°53	27°31	F 20
S 21	6 24 43	6°23'49	11♎ 3	14°29	22° 7	23°25	2°41	9°26	20°29	1°59	10°12	0°D 3	29°47	23°59	27°30	S 21
S 22	6 28 40	7°25'00	23°33	14°59	23°14	23°49	2°53	9°31	20°32	1°57	10°13	0° 3	29°44	24° 6	27°29	S 22
M23	6 32 36	8°26'11	5♏46	15°35	24°22	24°14	3° 5	9°36	20°35	1°55	10°15	0° 4	29°41	24°13	27°29	M23
T 24	6 36 33	9°27'23	17°48	16°16	25°28	24°39	3°17	9°41	20°38	1°54	10°16	0° 5	29°38	24°19	27°29	T 24
W25	6 40 29	10°28'34	29°40	17° 2	26°35	25° 4	3°29	9°45	20°40	1°52	10°18	0° 6	29°35	24°26	27°28	W25
T 26	6 44 26	11°29'44	11♐28	17°53	27°41	25°30	3°41	9°50	20°43	1°50	10°19	0° 7	29°32	24°33	27°28	T 26
F 27	6 48 23	12°30'55	23°15	18°47	28°47	25°56	3°53	9°54	20°46	1°49	10°21	0° 7	29°28	24°39	27°27	F 27
S 28	6 52 19	13°32'05	5♑ 3	19°45	29°53	26°22	4° 5	9°59	20°49	1°47	10°22	0°R 7	29°25	24°46	27°27	S 28
S 29	6 56 16	14°33'14	16°54	20°46	0♓59	26°49	4°17	10° 3	20°52	1°45	10°23	0° 7	29°22	24°53	27°27	S 29
M30	7 0 12	15°34'24	28°51	21°50	2° 4	27°15	4°29	10° 7	20°55	1°44	10°25	0° 5	29°19	24°59	27°27	M30
T 31	7 4 9	16♑35'32	10♒55	22♐56	3♓ 9	27♈42	4♐40	10♏12	20♒58	1♋42	10♏26	0♉ 3	29♐16	25♐ 6	27°D27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s48	22s33	0n45	23s18	0n14	22s35	2s12	6n58	0n27	19s12	0n42	11s59	2n14	15s39	0s43	22n31	1s 0	0s38	14n51	23s32	23s32	24s 6	10n19	0s29
M 2	22 54	20 16	1 48	22 58	0 33	22 19	2 11	7 6	0 29	19 15	0 42	12 1	2 14	15 38	0 43	22 31	1 0	0 39	14 51	23 32	23 32	24 5	10 19	0 29
T 3	23 0	17 7	2 48	22 37	0 53	22 2	2 10	7 14	0 31	19 18	0 42	12 3	2 14	15 38	0 43	22 31	1 0	0 39	14 51	23 32	23 32	24 5	10 18	0 29
W 4	23 5	13 13	3 40	22 16	1 13	21 45	2 9	7 22	0 33	19 21	0 42	12 5	2 14	15 37	0 43	22 31	1 0	0 39	14 51	23 32	23 32	24 4	10 17	0 29
T 5	23 10	8 44	4 24	21 54	1 33	21 27	2 8	7 30	0 34	19 24	0 42	12 6	2 15	15 36	0 43	22 31	1 0	0 40	14 52	23 32	23 32	24 4	10 17	0 29
F 6	23 14	3 48	4 56	21 32	1 52	21 9	2 6	7 39	0 36	19 27	0 42	12 8	2 15	15 35	0 43	22 31	1 0	0 40	14 52	23 32	23 32	24 3	10 16	0 29
S 7	23 18	1n24	5 14	21 10	2 9	20 50	2 4	7 47	0 37	19 30	0 42	12 10	2 15	15 35	0 43	22 31	1 0	0 40	14 52	23 32	23 32	24 3	10 16	0 29
S 8	23 21	6 43	5 17	20 49	2 25	20 30	2 3	7 56	0 39	19 32	0 42	12 12	2 15	15 34	0 43	22 31	1 0	0 41	14 52	23 32	23 32	24 2	10 15	0 29
M 9	23 24	11 52	5 2	20 30	2 38	20 10	2 1	8 5	0 40	19 35	0 42	12 13	2 15	15 33	0 43	22 31	1 0	0 41	14 53	23 32	23 32	24 2	10 15	0 29
T 10	23 27	16 35	4 29	20 13	2 49	19 50	1 59	8 14	0 42	19 38	0 42	12 15	2 15	15 33	0 43	22 31	1 0	0 41	14 53	23 32	23 32	24 1	10 14	0 29
W11	23 29	20 27	3 38	19 58	2 58	19 29	1 57	8 23	0 43	19 41	0 42	12 17	2 15	15 32	0 43	22 31	1 0	0 41	14 53	23 32	23 32	24 1	10 13	0 29
T 12	23 30	23 5	2 30	19 46	3 4	19 7	1 54	8 32	0 45	19 43	0 42	12 18	2 15	15 31	0 43	22 32	1 0	0 42	14 54	23 32	23 32	24 0	10 13	0 29
F 13	23 31	24 6	1 12	19 37	3 8	18 45	1 52	8 42	0 46	19 46	0 42	12 20	2 16	15 30	0 43	22 32	1 0	0 42	14 54	23 32	23 32	24 0	10 13	0 29
S 14	23 32	23 18	0s13	19 31	3 10	18 23	1 50	8 51	0 47	19 49	0 42	12 22	2 16	15 29	0 43	22 32	1 0	0 42	14 54	23 32	23 32	23 59	10 12	0 30
S 15	23 32	20 48	1 36	19 28	3 9	18 0	1 47	9 1	0 49	19 51	0 42	12 23	2 16	15 29	0 43	22 32	1 0	0 42	14 55	23 32	23 32	23 59	10 12	0 30
M16	23 32	16 55	2 51	19 27	3 7	17 37	1 44	9 10	0 50	19 54	0 42	12 25	2 16	15 28	0 43	22 32	1 0	0 42	14 55	23 32	23 32	23 58	10 11	0 30
T 17	23 31	12 5	3 53	19 30	3 4	17 14	1 41	9 20	0 51	19 56	0 41	12 26	2 16	15 27	0 43	22 32	1 0	0 43	14 55	23 32	23 32	23 57	10 11	0 30
W18	23 30	6 44	4 39	19 34	2 59	16 50	1 38	9 30	0 52	19 59	0 41	12 28	2 16	15 26	0 43	22 32	1 0	0 43	14 56	23 32	23 32	23 57	10 11	0 30
T 19	23 28	1 14	5 7	19 41	2 54	16 25	1 35	9 40	0 53	20 1	0 41	12 29	2 16	15 25	0 43	22 32	1 0	0 43	14 56	23 32	23 32	23 56	10 10	0 30
F 20	23 26	4s 8	5 18	19 49	2 47	16 0	1 32	9 49	0 54	20 4	0 41	12 31	2 17	15 24	0 43	22 32	0 59	0 43	14 56	23 32	23 32	23 56	10 10	0 30
S 21	23 23	9 10	5 12	19 59	2 40	15 35	1 29	9 59	0 56	20 6	0 41	12 32	2 17	15 23	0 43	22 32	0 59	0 43	14 57	23 32	23 32	23 55	10 10	0 30
S 22	23 20	13 42	4 52	20 10	2 32	15 10	1 25	10 9	0 57	20 9	0 41	12 33	2 17	15 23	0 43	22 32	0 59	0 43	14 57	23 32	23 32	23 55	10 9	0 30
M23	23 16	17 33	4 19	20 22	2 24	14 44	1 21	10 20	0 58	20 11	0 41	12 35	2 17	15 22	0 43	22 32	0 59	0 43	14 57	23 32	23 32	23 54	10 9	0 30
T 24	23 12	20 38	3 34	20 35	2 15	14 18	1 18	10 30	0 59	20 13	0 41	12 36	2 17	15 21	0 42	22 32	0 59	0 43	14 58	23 32	23 32	23 53	10 9	0 30
W25	23 7	22 47	2 41	20 49	2 6	13 52	1 14	10 40	1 0	20 16	0 41	12 37	2 17	15 20	0 42	22 32	0 59	0 44	14 58	23 32	23 32	23 53	10 9	0 30
T 26	23 2	23 56	1 42	21 2	1 57	13 25	1 10	10 50	1 1	20 18	0 41	12 39	2 18	15 19	0 42	22 32	0 59	0 44	14 59	23 32	23 32	23 52	10 9	0 30
F 27	22 57	24 0	0 38	21 16	1 48	12 58	1 6	11 1	1 2	20 20	0 41	12 40	2 18	15 18	0 42	22 32	0 59	0 44	14 59	23 32	23 32	23 52	10 8	0 30
S 28	22 51	22 59	0n27	21 30	1 39	12 31	1 1	11 11	1 2	20 22	0 41	12 41	2 18	15 17	0 42	22 32	0 59	0 44	14 59	23 32	23 32	23 51	10 8	0 30
S 29	22 44	20 57	1 32	21 44	1 29	12 4	0 57	11 22	1 3	20 25	0 41	12 42	2 18	15 16	0 42	22 32	0 59	0 44	15 0	23 32	23 32	23 50	10 8	0 30
M30	22 37	17 59	2 33	21 57	1 20	11 36	0 53	11 32	1 4	20 27	0 41	12 43	2 18	15 15	0 42	22 32	0 59	0 44	15 0	23 32	23 32	23 50	10 8	0 30
T 31	22s30	14s14	3n27	22s10	1n11	11s 8	0s48	11n43	1n 5	20s29	0n41	12s45	2n19	15s14	0s42	22n32	0s59	0s44	15n 1	23s32	23s32	23s49	10n 8	0s30

Julian Day Number = 2176858.5, Delta T = 11m50s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'08, Lahiri = 13°22'09 Julian Calendar 1 Dec. 1247 == Greg. Calendar 8 Dec. 1247

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

JANUARY 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 8 5	17♉36'39	23♒ 9	24♐ 5	4♓14	28♈ 9	4♐52	10♏16	21♒ 1	1°R40	10♏27	0°R 0	29♐13	25♐12	27♈27	W 1
T 2	7 12 2	18°37'46	5♓33	25°16	5°18	28°37	5° 4	10°20	21° 4	1♋39	10°29	29♐57	29° 9	25°19	27°27	T 2
F 3	7 15 58	19°38'52	18°11	26°28	6°23	29° 5	5°15	10°24	21° 7	1°37	10°30	29°54	29° 6	25°26	27°27	F 3
S 4	7 19 55	20°39'57	1♈ 4	27°43	7°26	29°32	5°26	10°28	21°10	1°36	10°31	29°52	29° 3	25°32	27°28	S 4
S 5	7 23 52	21°41'00	14°15	28°58	8°30	0♉ 1	5°38	10°31	21°13	1°34	10°32	29°51	29° 0	25°39	27°28	S 5
M 6	7 27 48	22°42'03	27°46	0♊16	9°33	0°29	5°49	10°35	21°16	1°32	10°33	29°D51	28°57	25°46	27°28	M 6
T 7	7 31 45	23°43'05	11♉38	1°35	10°36	0°57	6° 0	10°39	21°19	1°31	10°34	29°52	28°53	25°52	27°29	T 7
W 8	7 35 41	24°44'05	25°52	2°54	11°38	1°26	6°11	10°42	21°23	1°29	10°35	29°53	28°50	25°59	27°29	W 8
T 9	7 39 38	25°45'04	10♊25	4°16	12°40	1°55	6°22	10°46	21°26	1°28	10°36	29°55	28°47	26° 6	27°30	T 9
F 10	7 43 34	26°46'02	25°16	5°38	13°42	2°24	6°33	10°49	21°29	1°26	10°37	29°R56	28°44	26°12	27°30	F 10
S 11	7 47 31	27°46'59	10♋16	7° 1	14°43	2°54	6°44	10°52	21°32	1°25	10°38	29°55	28°41	26°19	27°31	S 11
S 12	7 51 27	28°47'55	25°20	8°25	15°44	3°23	6°54	10°55	21°35	1°23	10°39	29°54	28°38	26°26	27°32	S 12
M13	7 55 24	29°48'50	10♌16	9°51	16°44	3°53	7° 5	10°58	21°39	1°22	10°40	29°50	28°34	26°32	27°32	M13
T 14	7 59 21	0♒49'43	24°58	11°17	17°44	4°23	7°16	11° 1	21°42	1°20	10°41	29°46	28°31	26°39	27°33	T 14
W15	8 3 17	1°50'36	9♍17	12°44	18°44	4°53	7°26	11° 4	21°45	1°19	10°41	29°41	28°28	26°46	27°34	W15
T 16	8 7 14	2°51'28	23°10	14°12	19°43	5°23	7°36	11° 7	21°49	1°18	10°42	29°36	28°25	26°52	27°35	T 16
F 17	8 11 10	3°52'18	6♎35	15°41	20°41	5°53	7°46	11°10	21°52	1°16	10°43	29°32	28°22	26°59	27°36	F 17
S 18	8 15 7	4°53'08	19°33	17°10	21°39	6°23	7°57	11°12	21°55	1°15	10°44	29°29	28°19	27° 5	27°37	S 18
S 19	8 19 3	5°53'57	2♏ 7	18°41	22°37	6°54	8° 7	11°15	21°59	1°13	10°44	29°D28	28°15	27°12	27°38	S 19
M20	8 23 0	6°54'44	14°22	20°12	23°34	7°25	8°17	11°17	22° 2	1°12	10°45	29°28	28°12	27°19	27°39	M20
T 21	8 26 56	7°55'31	26°22	21°44	24°30	7°56	8°26	11°19	22° 5	1°11	10°45	29°29	28° 9	27°25	27°41	T 21
W22	8 30 53	8°56'17	8♐13	23°17	25°26	8°27	8°36	11°22	22° 9	1°10	10°46	29°31	28° 6	27°32	27°42	W22
T 23	8 34 50	9°57'01	19°59	24°51	26°21	8°58	8°46	11°24	22°12	1° 8	10°46	29°32	28° 3	27°39	27°43	T 23
F 24	8 38 46	10°57'45	1♑45	26°25	27°16	9°29	8°55	11°26	22°16	1° 7	10°47	29°R33	27°59	27°45	27°45	F 24
S 25	8 42 43	11°58'27	13°36	28° 0	28° 9	10° 1	9° 4	11°28	22°19	1° 6	10°47	29°32	27°56	27°52	27°46	S 25
S 26	8 46 39	12°59'08	25°33	29°37	29° 3	10°32	9°14	11°30	22°22	1° 5	10°48	29°28	27°53	27°59	27°48	S 26
M27	8 50 36	13°59'47	7♒41	1♒14	29°55	11° 4	9°23	11°31	22°26	1° 3	10°48	29°23	27°50	28° 5	27°49	M27
T 28	8 54 32	15° 0'25	19°59	2°51	0♈47	11°36	9°32	11°33	22°29	1° 2	10°48	29°16	27°47	28°12	27°51	T 28
W29	8 58 29	16° 1'01	2♓29	4°30	1°38	12° 8	9°41	11°34	22°33	1° 1	10°49	29° 7	27°44	28°19	27°53	W29
T 30	9 2 25	17° 1'36	15°11	6°10	2°28	12°40	9°49	11°36	22°36	1° 0	10°49	28°58	27°40	28°25	27°55	T 30
F 31	9 6 22	18♒ 2'09	28♓ 6	7♒50	3♈18	13♉12	9♐58	11♏37	22♒40	0♋59	10♏49	28♐49	27♐37	28♐32	27♈56	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22s22	9s52	4n13	22s23	1n 2	10s40	0s43	11n53	1n 6	20s31	0n41	12s46	2n19	15s13	0s42	22n32	0s59	0s44	15n 1	23s32	23s32	23s49	10n 8	0s31	
T 2	22 14	5 3	4 48	22 35	0 52	10 12	0 38	12 4	1 7	20 33	0 41	12 47	2 19	15 12	0 42	22 32	0 59	0 44	15 1	23 32	23 32	23 48	10 8	0 31	
F 3	22 5	0n 3	5 9	22 46	0 43	9 43	0 33	12 14	1 7	20 35	0 41	12 48	2 19	15 11	0 42	22 32	0 59	0 44	15 2	23 32	23 32	23 47	10 8	0 31	
S 4	21 56	5 15	5 16	22 56	0 35	9 15	0 28	12 25	1 8	20 37	0 41	12 49	2 19	15 10	0 42	22 32	0 59	0 43	15 2	23 32	23 32	23 47	10 8	0 31	
S 5	21 47	10 20	5 6	23 6	0 26	8 46	0 23	12 36	1 9	20 39	0 41	12 50	2 19	15 9	0 42	22 32	0 59	0 43	15 3	23 32	23 32	23 46	10 8	0 31	
M 6	21 37	15 3	4 39	23 15	0 17	8 17	0 18	12 46	1 10	20 41	0 41	12 51	2 20	15 8	0 42	22 32	0 59	0 43	15 3	23 32	23 32	23 45	10 8	0 31	
T 7	21 27	19 7	3 56	23 23	0 9	7 49	0 12	12 57	1 10	20 43	0 41	12 52	2 20	15 7	0 42	22 33	0 59	0 43	15 4	23 32	23 32	23 45	10 8	0 31	
W 8	21 16	22 10	2 57	23 30	0 1	7 20	0 6	13 8	1 11	20 45	0 41	12 53	2 20	15 6	0 42	22 33	0 59	0 43	15 4	23 32	23 32	23 44	10 8	0 31	
T 9	21 5	23 50	1 45	23 36	0s 7	6 50	0 1	13 18	1 12	20 47	0 41	12 53	2 20	15 5	0 42	22 33	0 59	0 43	15 5	23 32	23 32	23 43	10 9	0 31	
F 10	20 53	23 53	0 26	23 40	0 15	6 21	0n 5	13 29	1 12	20 49	0 41	12 54	2 20	15 4	0 42	22 33	0 59	0 43	15 5	23 32	23 32	23 43	10 9	0 31	
S 11	20 41	22 12	0s57	23 44	0 23	5 52	0 11	13 40	1 13	20 51	0 41	12 55	2 21	15 3	0 42	22 33	0 59	0 43	15 5	23 32	23 32	23 42	10 9	0 31	
S 12	20 29	18 57	2 15	23 46	0 30	5 23	0 17	13 51	1 13	20 52	0 41	12 56	2 21	15 2	0 42	22 33	0 59	0 42	15 6	23 32	23 32	23 41	10 9	0 31	
M13	20 16	14 28	3 24	23 48	0 38	4 54	0 24	14 1	1 14	20 54	0 41	12 57	2 21	15 1	0 42	22 33	0 59	0 42	15 6	23 32	23 32	23 40	10 9	0 31	
T 14	20 3	9 13	4 17	23 48	0 45	4 24	0 30	14 12	1 15	20 56	0 41	12 57	2 21	15 0	0 42	22 33	0 59	0 42	15 7	23 32	23 32	23 40	10 10	0 31	
W15	19 50	3 35	4 53	23 47	0 52	3 55	0 36	14 23	1 15	20 58	0 41	12 58	2 21	14 59	0 42	22 33	0 59	0 42	15 7	23 32	23 32	23 39	10 10	0 31	
T 16	19 36	2s 2	5 11	23 44	0 58	3 26	0 43	14 33	1 16	20 59	0 41	12 59	2 22	14 58	0 42	22 33	0 59	0 42	15 8	23 32	23 32	23 38	10 10	0 31	
F 17	19 22	7 22	5 10	23 41	1 4	2 57	0 50	14 44	1 16	21 1	0 41	12 59	2 22	14 56	0 42	22 33	0 59	0 41	15 8	23 32	23 32	23 38	10 10	0 31	
S 18	19 7	12 12	4 54	23 36	1 10	2 27	0 56	14 55	1 17	21 3	0 41	13 0	2 22	14 55	0 42	22 33	0 59	0 41	15 9	23 32	23 32	23 37	10 11	0 31	
S 19	18 52	16 22	4 24	23 29	1 16	1 58	1 3	15 5	1 17	21 4	0 41	13 1	2 22	14 54	0 42	22 33	0 59	0 41	15 9	23 32	23 32	23 36	10 11	0 31	
M20	18 37	19 44	3 42	23 21	1 22	1 29	1 10	15 16	1 18	21 6	0 41	13 1	2 23	14 53	0 42	22 33	0 59	0 41	15 10	23 32	23 31	23 35	10 12	0 31	
T 21	18 22	22 11	2 51	23 12	1 27	1 0	1 18	15 26	1 18	21 7	0 41	13 2	2 23	14 52	0 42	22 33	0 59	0 40	15 10	23 32	23 31	23 35	10 12	0 32	
W22	18 6	23 38	1 54	23 2	1 32	0 32	1 25	15 37	1 19	21 9	0 41	13 2	2 23	14 51	0 42	22 33	0 59	0 40	15 10	23 32	23 31	23 34	10 12	0 32	
T 23	17 50	24 1	0 52	22 50	1 36	0 3	1 32	15 47	1 19	21 10	0 41	13 2	2 23	14 50	0 42	22 33	0 59	0 40	15 11	23 32	23 31	23 33	10 13	0 32	
F 24	17 33	23 19	0n12	22 36	1 41	0n26	1 40	15 58	1 19	21 12	0 41	13 3	2 23	14 49	0 42	22 33	0 59	0 40	15 11	23 32	23 31	23 32	10 13	0 32	
S 25	17 16	21 35	1 16	22 21	1 45	0 54	1 47	16 8	1 20	21 13	0 41	13 3	2 24	14 48	0 42	22 33	0 59	0 39	15 12	23 32	23 31	23 32	10 14	0 32	
S 26	16 59	18 53	2 16	22 5	1 48	1 23	1 55	16 19	1 20	21 15	0 41	13 4	2 24	14 46	0 42	22 33	0 59	0 39	15 12	23 32	23 31	23 31	10 14	0 32	
M27	16 42	15 20	3 12	21 47	1 52	1 51	2 3	16 29	1 21	21 16	0 41	13 4	2 24	14 45	0 42	22 33	0 59	0 39	15 13	23 32	23 31	23 30	10 15	0 32	
T 28	16 24	11 6	3 59	21 28	1 55	2 19	2 11	16 39	1 21	21 17	0 41	13 4	2 24	14 44	0 42	22 33	0 59	0 38	15 13	23 32	23 31	23 29	10 15	0 32	
W29	16 6	6 21	4 35	21 7	1 57	2 46	2 19	16 50	1 21	21 19	0 41	13 4	2 25	14 43	0 42	22 33	0 59	0 38	15 14	23 32	23 31	23 28	10 16	0 32	
T 30	15 48	1 16	4 59	20 44	2 0	3 14	2 27	17 0	1 22	21 20	0 41	13 5	2 25	14 42	0 42	22 33	0 58	0 37	15 14	23 32	23 31	23 28	10 17	0 32	
F 31	15s29	3n56	5n 7	20s21	2s 2	3n41	2n35	17n10	1n22	21s21	0n42	13s 5	2n25	14s41	0s42	22n34	0s58	0s37	15n15	23s32	23s31	23s27	10n17	0s32	

Julian Day Number = 2176889.5, Delta T = 11m50s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'13, Lahiri = 13°22'13 Julian Calendar 1 Jan. 1248 == Greg. Calendar 8 Jan. 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

FEBRUARY 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 19	19♒ 2'40	11♈13	9♒32	4♈ 6	13♉45	10♐ 7	11♏38	22♒43	0°R58	10♏49	28°R42	27♐34	28♐38	27♈58	S 1
S 2	9 14 15	20° 3'09	24°33	11°14	4°54	14°17	10°15	11°39	22°46	0♋57	10°49	28♐37	27°31	28°45	28° 0	S 2
M 3	9 18 12	21° 3'37	8♉ 6	12°57	5°41	14°50	10°23	11°40	22°50	0°56	10°49	28°34	27°28	28°52	28° 2	M 3
T 4	9 22 8	22° 4'02	21°52	14°41	6°26	15°22	10°31	11°41	22°53	0°55	10°50	28°D33	27°24	28°58	28° 4	T 4
W 5	9 26 5	23° 4'26	5♊52	16°27	7°11	15°55	10°39	11°42	22°57	0°54	10°R50	28°33	27°21	29° 5	28° 6	W 5
T 6	9 30 1	24° 4'47	20° 7	18°13	7°55	16°28	10°47	11°43	23° 0	0°53	10°50	28°34	27°18	29°12	28° 8	T 6
F 7	9 33 58	25° 5'07	4♋33	20° 0	8°38	17° 1	10°55	11°43	23° 4	0°52	10°50	28°R34	27°15	29°18	28°11	F 7
S 8	9 37 54	26° 5'24	19° 9	21°48	9°19	17°34	11° 3	11°44	23° 7	0°52	10°49	28°33	27°12	29°25	28°13	S 8
S 9	9 41 51	27° 5'40	3♌49	23°37	10° 0	18° 7	11°10	11°44	23°11	0°51	10°49	28°29	27° 9	29°32	28°15	S 9
M10	9 45 48	28° 5'53	18°27	25°27	10°39	18°40	11°17	11°45	23°14	0°50	10°49	28°22	27° 5	29°38	28°17	M10
T 11	9 49 44	29° 6'05	2♍55	27°18	11°17	19°13	11°25	11°45	23°18	0°49	10°49	28°13	27° 2	29°45	28°20	T 11
W12	9 53 41	0♓ 6'14	17° 8	29°10	11°53	19°47	11°32	11°R45	23°21	0°49	10°49	28° 2	26°59	29°52	28°22	W12
T 13	9 57 37	1° 6'22	1♎ 0	1♓ 3	12°28	20°20	11°39	11°45	23°24	0°48	10°49	27°52	26°56	29°58	28°25	T 13
F 14	10 1 34	2° 6'28	14°27	2°57	13° 2	20°53	11°45	11°45	23°28	0°47	10°48	27°43	26°53	0♑ 5	28°27	F 14
S 15	10 5 30	3° 6'33	27°28	4°52	13°35	21°27	11°52	11°44	23°31	0°47	10°48	27°35	26°50	0°11	28°30	S 15
S 16	10 9 27	4° 6'36	10♏ 6	6°47	14° 5	22° 1	11°58	11°44	23°35	0°46	10°48	27°30	26°46	0°18	28°33	S 16
M17	10 13 23	5° 6'37	22°24	8°43	14°35	22°34	12° 5	11°44	23°38	0°45	10°47	27°27	26°43	0°25	28°35	M17
T 18	10 17 20	6° 6'37	4♐27	10°40	15° 2	23° 8	12°11	11°43	23°42	0°45	10°47	27°D26	26°40	0°31	28°38	T 18
W19	10 21 17	7° 6'35	16°18	12°37	15°28	23°42	12°17	11°43	23°45	0°44	10°46	27°26	26°37	0°38	28°41	W19
T 20	10 25 13	8° 6'31	28° 6	14°34	15°52	24°16	12°23	11°42	23°48	0°44	10°46	27°R27	26°34	0°45	28°43	T 20
F 21	10 29 10	9° 6'26	9♑54	16°32	16°15	24°50	12°28	11°41	23°52	0°44	10°45	27°26	26°30	0°51	28°46	F 21
S 22	10 33 6	10° 6'18	21°47	18°29	16°35	25°24	12°34	11°40	23°55	0°43	10°45	27°23	26°27	0°58	28°49	S 22
S 23	10 37 3	11° 6'09	3♒51	20°27	16°54	25°58	12°39	11°39	23°58	0°43	10°44	27°18	26°24	1° 5	28°52	S 23
M24	10 40 59	12° 5'59	16° 7	22°23	17°10	26°32	12°44	11°38	24° 2	0°42	10°44	27°10	26°21	1°11	28°55	M24
T 25	10 44 56	13° 5'46	28°39	24°18	17°25	27° 7	12°49	11°37	24° 5	0°42	10°43	26°59	26°18	1°18	28°58	T 25
W26	10 48 52	14° 5'31	11♓27	26°13	17°37	27°41	12°54	11°35	24° 8	0°42	10°42	26°47	26°15	1°25	29° 1	W26
T 27	10 52 49	15° 5'14	24°31	28° 5	17°48	28°15	12°59	11°34	24°12	0°42	10°41	26°34	26°11	1°31	29° 4	T 27
F 28	10 56 46	16° 4'55	7♈49	29°55	17°56	28°50	13° 3	11°32	24°15	0°42	10°41	26°21	26° 8	1°38	29° 7	F 28
S 29	11 0 42	17♓ 4'34	21♈19	1♈43	18♈ 1	29♉24	13♐ 8	11♏31	24♒18	0♋41	10♏40	26♐10	26♐ 5	1♑45	29♈10	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s10	9n 3	5n 0	19s55	2s 3	4n 8	2n43	17n20	1n22	21s22	0n42	13s 5	2n25	14s40	0s42	22n34	0s58	0s37	15n15	23s32	23s31	23s26	10n18	0s32
S 2	14 51	13 50	4 37	19 28	2 4	4 35	2 52	17 30	1 23	21 24	0 42	13 5	2 25	14 39	0 42	22 34	0 58	0 36	15 16	23 32	23 31	23 25	10 18	0 32
M 3	14 32	18 0	3 58	19 0	2 5	5 1	3 0	17 40	1 23	21 25	0 42	13 5	2 26	14 37	0 42	22 34	0 58	0 36	15 16	23 32	23 31	23 24	10 19	0 32
T 4	14 13	21 16	3 4	18 30	2 6	5 27	3 9	17 50	1 23	21 26	0 42	13 5	2 26	14 36	0 42	22 34	0 58	0 35	15 17	23 32	23 31	23 24	10 20	0 32
W 5	13 53	23 19	1 59	17 58	2 6	5 53	3 17	18 0	1 23	21 27	0 42	13 5	2 26	14 35	0 42	22 34	0 58	0 35	15 17	23 32	23 31	23 23	10 20	0 32
T 6	13 33	23 55	0 45	17 25	2 5	6 18	3 26	18 10	1 24	21 28	0 42	13 5	2 26	14 34	0 42	22 34	0 58	0 35	15 17	23 32	23 31	23 22	10 21	0 32
F 7	13 13	22 55	0s32	16 50	2 4	6 43	3 35	18 20	1 24	21 29	0 42	13 5	2 27	14 33	0 42	22 34	0 58	0 34	15 18	23 32	23 30	23 21	10 22	0 32
S 8	12 52	20 23	1 48	16 14	2 3	7 8	3 44	18 29	1 24	21 30	0 42	13 5	2 27	14 32	0 42	22 34	0 58	0 34	15 18	23 32	23 30	23 20	10 23	0 32
S 9	12 32	16 31	2 57	15 36	2 1	7 32	3 53	18 39	1 24	21 31	0 42	13 5	2 27	14 31	0 42	22 34	0 58	0 33	15 19	23 32	23 30	23 19	10 23	0 33
M10	12 11	11 39	3 54	14 56	1 58	7 56	4 2	18 48	1 25	21 32	0 42	13 5	2 27	14 29	0 42	22 34	0 58	0 33	15 19	23 32	23 30	23 18	10 24	0 33
T 11	11 50	6 11	4 35	14 16	1 55	8 19	4 11	18 58	1 25	21 33	0 42	13 5	2 27	14 28	0 42	22 34	0 58	0 32	15 20	23 31	23 30	23 18	10 25	0 33
W12	11 29	0 31	4 59	13 33	1 52	8 42	4 20	19 7	1 25	21 34	0 42	13 5	2 28	14 27	0 42	22 34	0 58	0 32	15 20	23 31	23 30	23 17	10 26	0 33
T 13	11 8	5s 2	5 4	12 49	1 48	9 4	4 29	19 16	1 25	21 35	0 42	13 5	2 28	14 26	0 42	22 34	0 58	0 31	15 21	23 31	23 30	23 16	10 27	0 33
F 14	10 46	10 11	4 51	12 4	1 43	9 26	4 38	19 26	1 26	21 36	0 42	13 4	2 28	14 25	0 42	22 34	0 58	0 31	15 21	23 31	23 30	23 15	10 28	0 33
S 15	10 24	14 43	4 24	11 17	1 38	9 47	4 47	19 35	1 26	21 37	0 42	13 4	2 28	14 24	0 42	22 34	0 58	0 30	15 22	23 31	23 30	23 14	10 28	0 33
S 16	10 3	18 27	3 45	10 29	1 32	10 7	4 56	19 44	1 26	21 38	0 42	13 4	2 28	14 23	0 42	22 34	0 58	0 30	15 22	23 31	23 30	23 13	10 29	0 33
M17	9 41	21 16	2 55	9 39	1 26	10 27	5 5	19 53	1 26	21 38	0 42	13 3	2 29	14 22	0 42	22 34	0 58	0 29	15 22	23 31	23 30	23 12	10 30	0 33
T 18	9 18	23 4	1 59	8 49	1 19	10 46	5 14	20 1	1 26	21 39	0 42	13 3	2 29	14 20	0 42	22 34	0 58	0 29	15 23	23 31	23 30	23 11	10 31	0 33
W19	8 56	23 49	0 59	7 57	1 11	11 5	5 24	20 10	1 26	21 40	0 42	13 3	2 29	14 19	0 42	22 34	0 58	0 28	15 23	23 31	23 30	23 10	10 32	0 33
T 20	8 34	23 28	0n 3	7 4	1 3	11 23	5 33	20 19	1 27	21 41	0 42	13 2	2 29	14 18	0 42	22 34	0 58	0 28	15 24	23 31	23 30	23 9	10 33	0 33
F 21	8 11	22 4	1 6	6 10	0 55	11 40	5 42	20 27	1 27	21 41	0 42	13 2	2 30	14 17	0 42	22 34	0 58	0 27	15 24	23 31	23 29	23 9	10 34	0 33
S 22	7 49	19 42	2 6	5 16	0 45	11 56	5 51	20 36	1 27	21 42	0 42	13 1	2 30	14 16	0 42	22 34	0 58	0 26	15 25	23 31	23 29	23 8	10 35	0 33
S 23	7 26	16 27	3 1	4 21	0 35	12 11	6 0	20 44	1 27	21 43	0 42	13 1	2 30	14 15	0 42	22 35	0 58	0 26	15 25	23 31	23 29	23 7	10 36	0 33
M24	7 3	12 26	3 48	3 25	0 25	12 26	6 8	20 52	1 27	21 43	0 42	13 0	2 30	14 14	0 42	22 35	0 58	0 25	15 25	23 30	23 29	23 6	10 37	0 33
T 25	6 40	7 50	4 25	2 29	0 14	12 40	6 17	21 0	1 27	21 44	0 42	13 0	2 30	14 13	0 42	22 35	0 57	0 25	15 26	23 30	23 29	23 5	10 38	0 33
W26	6 17	2 49	4 50	1 33	0 3	12 52	6 26	21 8	1 27	21 44	0 42	12 59	2 31	14 12	0 42	22 35	0 57	0 24	15 26	23 30	23 29	23 4	10 39	0 33
T 27	5 54	2n25	5 1	0 38	0n 9	13 4	6 34	21 16	1 28	21 45	0 42	12 58	2 31	14 10	0 42	22 35	0 57	0 24	15 27	23 30	23 29	23 3	10 40	0 33
F 28	5 31	7 37	4 55	0n17	0 21	13 15	6 42	21 24	1 28	21 46	0 42	12 58	2 31	14 9	0 42	22 35	0 57	0 23	15 27	23 29	23 29	23 2	10 41	0 34
S 29	5s 7	12n33	4n33	1n12	0n33	13n24	6n50	21n32	1n28	21s46	0n42	12s57	2n31	14s 8	0s42	22n35	0s57	0s22	15n27	23s29	23s29	23s 1	10n42	0s34

Julian Day Number = 2176920.5, Delta T = 11m49s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'17, Lahiri = 13°22'17 Julian Calendar 1 Feb. 1248 == Greg. Calendar 8 Feb. 1248

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1248
geocentric

MARCH 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 4 39	18♓ 4'11	4♉59	3♈27	18♈ 5	29♉59	13♐12	11°R29	24♒21	0°R41	10°R39	26°R 2	26♐ 2	1♑51	29♈14	S 1
M 2	11 8 35	19° 3'45	18°47	5° 8	18°R 5	0♊33	13°16	11♏27	24°25	0♋41	10♏38	25♐57	25°59	1°58	29°17	M 2
T 3	11 12 32	20° 3'18	2♊41	6°45	18° 4	1° 8	13°20	11°25	24°28	0°41	10°37	25°54	25°56	2° 4	29°20	T 3
W 4	11 16 28	21° 2'48	16°41	8°18	18° 0	1°43	13°23	11°23	24°31	0°D41	10°37	25°53	25°52	2°11	29°23	W 4
T 5	11 20 25	22° 2'15	0♋46	9°46	17°54	2°17	13°27	11°21	24°34	0°41	10°36	25°53	25°49	2°18	29°27	T 5
F 6	11 24 21	23° 1'40	14°56	11° 8	17°45	2°52	13°30	11°19	24°37	0°41	10°35	25°53	25°46	2°24	29°30	F 6
S 7	11 28 18	24° 1'03	29° 9	12°25	17°33	3°27	13°33	11°17	24°41	0°41	10°34	25°50	25°43	2°31	29°33	S 7
S 8	11 32 15	25° 0'23	13♌23	13°36	17°19	4° 2	13°36	11°15	24°44	0°41	10°33	25°45	25°40	2°38	29°37	S 8
M 9	11 36 11	25°59'41	27°34	14°41	17° 3	4°37	13°39	11°12	24°47	0°41	10°32	25°36	25°36	2°44	29°40	M 9
T 10	11 40 8	26°58'57	11♍38	15°39	16°44	5°12	13°42	11°10	24°50	0°42	10°31	25°26	25°33	2°51	29°44	T 10
W11	11 44 4	27°58'11	25°30	16°30	16°22	5°47	13°44	11° 7	24°53	0°42	10°29	25°13	25°30	2°58	29°47	W11
T 12	11 48 1	28°57'22	9♎ 6	17°15	15°59	6°22	13°46	11° 5	24°56	0°42	10°28	25° 1	25°27	3° 4	29°51	T 12
F 13	11 51 57	29°56'32	22°23	17°52	15°33	6°57	13°48	11° 2	24°59	0°42	10°27	24°49	25°24	3°11	29°54	F 13
S 14	11 55 54	0♈55'39	5♏19	18°22	15° 5	7°32	13°50	10°59	25° 2	0°43	10°26	24°39	25°21	3°18	29°58	S 14
S 15	11 59 50	1°54'45	17°55	18°46	14°36	8° 7	13°52	10°56	25° 5	0°43	10°25	24°32	25°17	3°24	0♉ 1	S 15
M16	12 3 47	2°53'48	0♐12	19° 1	14° 4	8°42	13°54	10°53	25° 8	0°43	10°24	24°28	25°14	3°31	0° 5	M16
T 17	12 7 43	3°52'50	12°15	19°10	13°31	9°17	13°55	10°50	25°11	0°44	10°22	24°26	25°11	3°37	0° 9	T 17
W18	12 11 40	4°51'51	24° 8	19°R12	12°57	9°53	13°56	10°47	25°13	0°44	10°21	24°D25	25° 8	3°44	0°12	W18
T 19	12 15 37	5°50'49	5♑57	19° 7	12°21	10°28	13°57	10°44	25°16	0°45	10°20	24°R25	25° 5	3°51	0°16	T 19
F 20	12 19 33	6°49'46	17°46	18°56	11°45	11° 3	13°58	10°40	25°19	0°45	10°19	24°25	25° 1	3°57	0°20	F 20
S 21	12 23 30	7°48'40	29°42	18°39	11° 8	11°39	13°58	10°37	25°22	0°46	10°17	24°23	24°58	4° 4	0°24	S 21
S 22	12 27 26	8°47'33	11♒49	18°16	10°30	12°14	13°59	10°34	25°25	0°46	10°16	24°19	24°55	4°11	0°27	S 22
M23	12 31 23	9°46'24	24°11	17°48	9°52	12°50	13°59	10°30	25°27	0°47	10°15	24°12	24°52	4°17	0°31	M23
T 24	12 35 19	10°45'14	6♓53	17°15	9°14	13°25	13°R59	10°27	25°30	0°48	10°13	24° 3	24°49	4°24	0°35	T 24
W25	12 39 16	11°44'01	19°54	16°39	8°37	14° 1	13°59	10°23	25°33	0°48	10°12	23°52	24°46	4°31	0°39	W25
T 26	12 43 12	12°42'46	3♈16	15°59	8° 0	14°36	13°58	10°19	25°35	0°49	10°10	23°40	24°42	4°37	0°43	T 26
F 27	12 47 9	13°41'30	16°56	15°18	7°23	15°12	13°58	10°16	25°38	0°50	10° 9	23°28	24°39	4°44	0°46	F 27
S 28	12 51 6	14°40'11	0♉51	14°34	6°48	15°47	13°57	10°12	25°40	0°51	10° 7	23°19	24°36	4°51	0°50	S 28
S 29	12 55 2	15°38'51	14°57	13°51	6°14	16°23	13°56	10° 8	25°43	0°51	10° 6	23°11	24°33	4°57	0°54	S 29
M30	12 58 59	16°37'28	29° 9	13° 7	5°41	16°59	13°55	10° 4	25°45	0°52	10° 4	23° 6	24°30	5° 4	0°58	M30
T 31	13 2 55	17♈36'04	13♊23	12♈25	5♈10	17♊34	13♐54	10♏ 0	25♒48	0♋53	10♏ 3	23♐ 4	24♐27	5♑11	1♉ 2	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	4s44	16n55	3n55	2n 5	0n46	13n32	6n58	21n39	1n28	21s47	0n42	12s56	2n31	14s 7	0s42	22n35	0s57	0s22	15n28	23s29	23s29	23s 0	10n43	0s34	
M 2	4 21	20 24	3 3	2 57	0 59	13 40	7 5	21 47	1 28	21 47	0 42	12 56	2 32	14 6	0 42	22 35	0 57	0 21	15 28	23 28	23 29	22 59	10 44	0 34	
T 3	3 57	22 44	1 59	3 47	1 11	13 46	7 12	21 54	1 28	21 47	0 42	12 55	2 32	14 5	0 42	22 35	0 57	0 21	15 28	23 28	23 28	22 58	10 45	0 34	
W 4	3 34	23 40	0 49	4 35	1 24	13 50	7 19	22 1	1 28	21 48	0 42	12 54	2 32	14 4	0 42	22 35	0 57	0 20	15 29	23 28	23 28	22 57	10 46	0 34	
T 5	3 10	23 6	0s26	5 22	1 37	13 54	7 25	22 9	1 28	21 48	0 42	12 53	2 32	14 3	0 42	22 35	0 57	0 19	15 29	23 28	23 28	22 56	10 48	0 34	
F 6	2 47	21 3	1 39	6 6	1 49	13 56	7 31	22 16	1 28	21 49	0 42	12 52	2 32	14 2	0 42	22 35	0 57	0 19	15 29	23 28	23 28	22 55	10 49	0 34	
S 7	2 23	17 42	2 46	6 47	2 1	13 56	7 37	22 22	1 28	21 49	0 42	12 52	2 32	14 1	0 42	22 35	0 57	0 18	15 30	23 28	23 28	22 54	10 50	0 34	
S 8	2 0	13 19	3 43	7 25	2 12	13 55	7 42	22 29	1 28	21 49	0 43	12 51	2 33	14 0	0 42	22 35	0 57	0 17	15 30	23 28	23 28	22 53	10 51	0 34	
M 9	1 36	8 12	4 26	8 0	2 23	13 53	7 46	22 36	1 28	21 50	0 43	12 50	2 33	13 59	0 42	22 35	0 57	0 17	15 31	23 28	23 28	22 52	10 52	0 34	
T 10	1 12	2 44	4 52	8 32	2 33	13 49	7 50	22 42	1 28	21 50	0 43	12 49	2 33	13 58	0 42	22 35	0 57	0 16	15 31	23 27	23 28	22 51	10 53	0 34	
W11	0 49	2s48	5 0	9 1	2 43	13 43	7 53	22 48	1 28	21 50	0 43	12 48	2 33	13 57	0 42	22 35	0 57	0 16	15 31	23 27	23 28	22 50	10 54	0 34	
T 12	0 25	8 5	4 51	9 26	2 51	13 36	7 55	22 55	1 28	21 50	0 43	12 47	2 33	13 56	0 43	22 35	0 57	0 15	15 31	23 27	23 27	22 49	10 56	0 34	
F 13	0 1	12 52	4 27	9 47	2 59	13 28	7 57	23 1	1 28	21 51	0 43	12 46	2 33	13 55	0 43	22 35	0 57	0 14	15 32	23 26	23 27	22 48	10 57	0 34	
S 14	0n22	16 56	3 49	10 5	3 5	13 18	7 58	23 7	1 28	21 51	0 43	12 45	2 34	13 54	0 43	22 35	0 57	0 14	15 32	23 26	23 27	22 47	10 58	0 34	
S 15	0 46	20 7	3 1	10 19	3 10	13 6	7 58	23 12	1 28	21 51	0 43	12 44	2 34	13 53	0 43	22 35	0 57	0 13	15 32	23 25	23 27	22 46	10 59	0 35	
M16	1 9	22 18	2 5	10 28	3 14	12 53	7 57	23 18	1 28	21 51	0 43	12 43	2 34	13 52	0 43	22 35	0 57	0 13	15 33	23 25	23 27	22 45	11 0	0 35	
T 17	1 33	23 25	1 4	10 34	3 17	12 39	7 56	23 23	1 28	21 51	0 43	12 42	2 34	13 51	0 43	22 35	0 57	0 12	15 33	23 25	23 27	22 44	11 2	0 35	
W18	1 56	23 26	0 1	10 36	3 18	12 23	7 53	23 29	1 28	21 51	0 43	12 41	2 34	13 50	0 43	22 36	0 57	0 11	15 33	23 25	23 27	22 43	11 3	0 35	
T 19	2 20	22 23	1n 1	10 34	3 18	12 6	7 50	23 34	1 28	21 52	0 43	12 40	2 34	13 49	0 43	22 36	0 57	0 11	15 33	23 25	23 27	22 42	11 4	0 35	
F 20	2 43	20 21	2 1	10 28	3 17	11 48	7 46	23 39	1 28	21 52	0 43	12 38	2 34	13 48	0 43	22 36	0 56	0 10	15 34	23 25	23 27	22 41	11 5	0 35	
S 21	3 7	17 26	2 56	10 19	3 13	11 29	7 41	23 44	1 28	21 52	0 43	12 37	2 35	13 47	0 43	22 36	0 56	0 9	15 34	23 25	23 26	22 40	11 7	0 35	
S 22	3 30	13 44	3 44	10 6	3 9	11 8	7 35	23 49	1 28	21 52	0 43	12 36	2 35	13 46	0 43	22 36	0 56	0 9	15 34	23 25	23 26	22 38	11 8	0 35	
M23	3 53	9 23	4 22	9 49	3 2	10 47	7 28	23 53	1 28	21 52	0 43	12 35	2 35	13 46	0 43	22 36	0 56	0 8	15 34	23 25	23 26	22 37	11 9	0 35	
T 24	4 16	4 33	4 49	9 29	2 54	10 25	7 21	23 58	1 28	21 52	0 43	12 34	2 35	13 45	0 43	22 36	0 56	0 8	15 35	23 24	23 26	22 36	11 10	0 35	
W25	4 39	0n36	5 1	9 6	2 45	10 2	7 12	24 2	1 28	21 52	0 43	12 32	2 35	13 44	0 43	22 36	0 56	0 7	15 35	23 24	23 26	22 35	11 12	0 35	
T 26	5 3	5 51	4 58	8 41	2 34	9 39	7 3	24 6	1 28	21 52	0 43	12 31	2 35	13 43	0 43	22 36	0 56	0 6	15 35	23 23	23 26	22 34	11 13	0 35	
F 27	5 25	10 57	4 37	8 14	2 22	9 16	6 53	24 10	1 28	21 51	0 43	12 30	2 35	13 42	0 43	22 36	0 56	0 6	15 35	23 23	23 26	22 33	11 14	0 35	
S 28	5 48	15 34	4 0	7 45	2 9	8 52	6 43	24 14	1 28	21 51	0 43	12 29	2 35	13 41	0 43	22 36	0 56	0 5	15 35	23 22	23 26	22 32	11 16	0 35	
S 29	6 11	19 23	3 8	7 15	1 55	8 28	6 31	24 18	1 28	21 51	0 43	12 27	2 35	13 40	0 43	22 36	0 56	0 4	15 36	23 22	23 25	22 31	11 17	0 35	
M30	6 34	22 4	2 4	6 44	1 39	8 4	6 20	24 21	1 28	21 51	0 43	12 26	2 36	13 40	0 43	22 36	0 56	0 4	15 36	23 21	23 25	22 30	11 18	0 36	
T 31	6n56	23n21	0n51	6n12	1n24	7n41	6n 8	24n25	1n28	21s51	0n43	12s25	2n36	13s39	0s43	22n36	0s56	0s 3	15n36	23s21	23s25	22s29	11n19	0s36	

Julian Day Number = 2176949.5, Delta T = 11m49s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'21, Lahiri = 13°22'21 Julian Calendar 1 March 1248 == Greg. Calendar 8 March 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

APRIL 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 6 52	18♈34'37	27♊36	11°R44	4°R41	18♊10	13°R52	9°R56	25♒50	0♋54	10°R 1	23°D 4	24♐23	5♑17	1♉ 6	W 1
T 2	13 10 48	19°33'07	11♋46	11♈ 5	4♈13	18°46	13♐50	9♏52	25°53	0°55	10♏ 0	23♐ 4	24°20	5°24	1°10	T 2
F 3	13 14 45	20°31'36	25°52	10°30	3°48	19°21	13°48	9°48	25°55	0°56	9°58	23°R 5	24°17	5°30	1°14	F 3
S 4	13 18 41	21°30'02	9♌53	9°58	3°25	19°57	13°46	9°44	25°57	0°57	9°57	23° 3	24°14	5°37	1°18	S 4
S 5	13 22 38	22°28'27	23°48	9°30	3° 4	20°33	13°44	9°40	25°59	0°58	9°55	22°59	24°11	5°44	1°22	S 5
M 6	13 26 35	23°26'48	7♍35	9° 6	2°45	21° 9	13°42	9°36	26° 2	0°59	9°54	22°53	24° 7	5°50	1°26	M 6
T 7	13 30 31	24°25'08	21°13	8°47	2°28	21°45	13°39	9°31	26° 4	1° 0	9°52	22°45	24° 4	5°57	1°29	T 7
W 8	13 34 28	25°23'26	4♎39	8°32	2°14	22°21	13°36	9°27	26° 6	1° 1	9°50	22°36	24° 1	6° 4	1°33	W 8
T 9	13 38 24	26°21'42	17°52	8°23	2° 3	22°56	13°33	9°23	26° 8	1° 2	9°49	22°26	23°58	6°10	1°37	T 9
F 10	13 42 21	27°19'56	0♏49	8°D18	1°54	23°32	13°30	9°19	26°10	1° 3	9°47	22°17	23°55	6°17	1°41	F 10
S 11	13 46 17	28°18'08	13°31	8°18	1°47	24° 8	13°27	9°14	26°12	1° 5	9°46	22° 9	23°52	6°24	1°45	S 11
S 12	13 50 14	29°16'19	25°57	8°23	1°43	24°44	13°24	9°10	26°14	1° 6	9°44	22° 4	23°48	6°30	1°49	S 12
M13	13 54 10	0♑14'28	8♐ 9	8°33	1°D41	25°20	13°20	9° 5	26°16	1° 7	9°42	22° 1	23°45	6°37	1°53	M13
T 14	13 58 7	1°12'35	20°10	8°47	1°41	25°56	13°16	9° 1	26°18	1° 8	9°41	21°D59	23°42	6°44	1°57	T 14
W15	14 2 4	2°10'41	2♑ 2	9° 6	1°44	26°32	13°12	8°57	26°20	1°10	9°39	22° 0	23°39	6°50	2° 1	W15
T 16	14 6 0	3° 8'45	13°51	9°30	1°50	27° 8	13° 8	8°52	26°22	1°11	9°37	22° 1	23°36	6°57	2° 5	T 16
F 17	14 9 57	4° 6'48	25°40	9°58	1°57	27°44	13° 4	8°48	26°24	1°12	9°36	22° 2	23°33	7° 4	2° 9	F 17
S 18	14 13 53	5° 4'50	7♒37	10°30	2° 7	28°20	12°59	8°43	26°25	1°14	9°34	22°R 3	23°29	7°10	2°13	S 18
S 19	14 17 50	6° 2'50	19°44	11° 6	2°18	28°57	12°55	8°39	26°27	1°15	9°32	22° 1	23°26	7°17	2°17	S 19
M20	14 21 46	7° 0'49	2♓ 8	11°46	2°32	29°33	12°50	8°34	26°29	1°17	9°31	21°59	23°23	7°23	2°21	M20
T 21	14 25 43	7°58'46	14°52	12°29	2°48	0♋ 9	12°45	8°30	26°30	1°18	9°29	21°54	23°20	7°30	2°25	T 21
W22	14 29 39	8°56'42	28° 0	13°16	3° 6	0°45	12°40	8°25	26°32	1°20	9°27	21°48	23°17	7°37	2°29	W22
T 23	14 33 36	9°54'37	11♈31	14° 7	3°26	1°21	12°35	8°21	26°33	1°21	9°26	21°41	23°13	7°43	2°33	T 23
F 24	14 37 32	10°52'30	25°25	15° 1	3°47	1°57	12°29	8°16	26°35	1°23	9°24	21°34	23°10	7°50	2°37	F 24
S 25	14 41 29	11°50'22	9♉39	15°58	4°10	2°34	12°24	8°12	26°36	1°24	9°22	21°29	23° 7	7°57	2°41	S 25
S 26	14 45 26	12°48'12	24° 8	16°58	4°35	3°10	12°18	8° 7	26°38	1°26	9°21	21°25	23° 4	8° 3	2°45	S 26
M27	14 49 22	13°46'01	8♊45	18° 2	5° 2	3°46	12°12	8° 3	26°39	1°27	9°19	21°22	23° 1	8°10	2°49	M27
T 28	14 53 19	14°43'49	23°24	19° 8	5°30	4°22	12° 6	7°58	26°40	1°29	9°17	21°D22	22°58	8°17	2°53	T 28
W29	14 57 15	15°41'34	7♋59	20°17	5°59	4°59	12° 0	7°54	26°42	1°31	9°16	21°22	22°54	8°23	2°57	W29
T 30	15 1 12	16♉39'19	22♋26	21♈28	6♈30	5♋35	11♐54	7♏50	26♒43	1♋32	9♏14	21♐24	22♐51	8♑30	3♉ 1	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n19	23n 7	0s24	5n41	1n 7	7n17	5n55	24n28	1n28	21s51	0n43	12s23	2n36	13s38	0s43	22n36	0s56	0s 3	15n36	23s21	23s25	22s27	11n21	0s36
T 2	7 41	21 23	1 38	5 11	0 51	6 55	5 42	24 31	1 28	21 51	0 43	12 22	2 36	13 37	0 43	22 36	0 56	0 2	15 36	23 21	23 25	22 26	11 22	0 36
F 3	8 3	18 21	2 46	4 41	0 34	6 32	5 29	24 34	1 28	21 50	0 43	12 21	2 36	13 36	0 43	22 36	0 56	0 2	15 36	23 21	23 25	22 25	11 23	0 36
S 4	8 25	14 16	3 43	4 13	0 17	6 10	5 15	24 37	1 28	21 50	0 43	12 19	2 36	13 36	0 43	22 36	0 56	0 1	15 37	23 21	23 25	22 24	11 25	0 36
S 5	8 47	9 27	4 26	3 47	0 1	5 49	5 1	24 39	1 28	21 50	0 43	12 18	2 36	13 35	0 43	22 36	0 56	0 0	15 37	23 21	23 24	22 23	11 26	0 36
M 6	9 9	4 13	4 54	3 23	0s16	5 29	4 47	24 42	1 28	21 49	0 43	12 17	2 36	13 34	0 43	22 36	0 56	0n 0	15 37	23 21	23 24	22 22	11 27	0 36
T 7	9 30	1s10	5 5	3 1	0 32	5 10	4 33	24 44	1 28	21 49	0 43	12 15	2 36	13 33	0 43	22 36	0 56	0 1	15 37	23 20	23 24	22 20	11 29	0 36
W 8	9 52	6 25	4 58	2 41	0 47	4 51	4 19	24 46	1 27	21 49	0 43	12 14	2 36	13 33	0 43	22 36	0 56	0 1	15 37	23 20	23 24	22 19	11 30	0 36
T 9	10 13	11 17	4 36	2 24	1 2	4 34	4 5	24 48	1 27	21 48	0 43	12 13	2 36	13 32	0 43	22 36	0 56	0 2	15 37	23 19	23 24	22 18	11 31	0 36
F 10	10 34	15 32	3 59	2 9	1 16	4 18	3 51	24 50	1 27	21 48	0 43	12 11	2 36	13 31	0 43	22 36	0 56	0 2	15 37	23 19	23 24	22 17	11 33	0 36
S 11	10 55	19 0	3 12	1 57	1 29	4 2	3 38	24 51	1 27	21 48	0 43	12 10	2 36	13 31	0 43	22 36	0 56	0 3	15 37	23 18	23 24	22 16	11 34	0 36
S 12	11 16	21 31	2 15	1 47	1 41	3 48	3 24	24 53	1 27	21 47	0 43	12 8	2 36	13 30	0 43	22 36	0 56	0 4	15 37	23 18	23 23	22 15	11 35	0 36
M13	11 36	22 58	1 14	1 40	1 53	3 35	3 10	24 54	1 27	21 47	0 43	12 7	2 36	13 29	0 43	22 36	0 56	0 4	15 37	23 18	23 23	22 13	11 36	0 37
T 14	11 57	23 20	0 10	1 36	2 4	3 23	2 57	24 55	1 27	21 46	0 43	12 6	2 36	13 29	0 43	22 36	0 55	0 5	15 37	23 18	23 23	22 12	11 38	0 37
W15	12 17	22 37	0n54	1 34	2 14	3 12	2 44	24 56	1 27	21 46	0 43	12 4	2 36	13 28	0 43	22 36	0 55	0 5	15 37	23 18	23 23	22 11	11 39	0 37
T 16	12 37	20 54	1 55	1 35	2 23	3 2	2 31	24 57	1 27	21 45	0 43	12 3	2 36	13 28	0 44	22 36	0 55	0 6	15 37	23 18	23 23	22 10	11 40	0 37
F 17	12 57	18 17	2 52	1 38	2 32	2 53	2 18	24 58	1 27	21 45	0 43	12 1	2 36	13 27	0 44	22 37	0 55	0 6	15 37	23 18	23 23	22 9	11 42	0 37
S 18	13 16	14 52	3 41	1 44	2 39	2 46	2 5	24 58	1 26	21 44	0 43	12 0	2 36	13 27	0 44	22 37	0 55	0 7	15 37	23 18	23 23	22 7	11 43	0 37
S 19	13 35	10 49	4 22	1 52	2 46	2 39	1 53	24 58	1 26	21 44	0 43	11 58	2 36	13 26	0 44	22 37	0 55	0 7	15 37	23 18	23 22	22 6	11 44	0 37
M20	13 55	6 13	4 51	2 2	2 52	2 34	1 41	24 58	1 26	21 43	0 43	11 57	2 36	13 25	0 44	22 37	0 55	0 8	15 37	23 18	23 22	22 5	11 46	0 37
T 21	14 14	1 16	5 7	2 15	2 57	2 29	1 29	24 58	1 26	21 43	0 43	11 56	2 36	13 25	0 44	22 37	0 55	0 8	15 37	23 17	23 22	22 4	11 47	0 37
W22	14 32	3n54	5 8	2 29	3 1	2 26	1 18	24 58	1 26	21 42	0 43	11 54	2 36	13 24	0 44	22 37	0 55	0 8	15 37	23 17	23 22	22 2	11 48	0 37
T 23	14 51	9 2	4 51	2 45	3 5	2 23	1 7	24 58	1 26	21 41	0 43	11 53	2 36	13 24	0 44	22 37	0 55	0 9	15 37	23 16	23 22	22 1	11 49	0 37
F 24	15 9	13 52	4 18	3 4	3 7	2 22	0 56	24 57	1 26	21 41	0 43	11 51	2 36	13 23	0 44	22 37	0 55	0 9	15 37	23 16	23 22	22 0	11 51	0 37
S 25	15 27	18 2	3 27	3 24	3 9	2 22	0 45	24 56	1 26	21 40	0 43	11 50	2 36	13 23	0 44	22 37	0 55	0 10	15 37	23 16	23 21	21 59	11 52	0 38
S 26	15 45	21 11	2 23	3 46	3 11	2 22	0 35	24 55	1 25	21 39	0 43	11 49	2 36	13 23	0 44	22 37	0 55	0 10	15 37	23 15	23 21	21 58	11 53	0 38
M27	16 2	22 58	1 8	4 9	3 11	2 23	0 25	24 54	1 25	21 39	0 43	11 47	2 36	13 22	0 44	22 37	0 55	0 11	15 37	23 15	23 21	21 56	11 55	0 38
T 28	16 19	23 11	0s11	4 34	3 11	2 26	0 16	24 53	1 25	21 38	0 43	11 46	2 36	13 22	0 44	22 37	0 55	0 11	15 37	23 15	23 21	21 55	11 56	0 38
W29	16 36	21 48	1 30	5 1	3 10	2 29	0 6	24 51	1 25	21 37	0 42	11 45	2 36	13 21	0 44	22 37	0 55	0 11	15 37	23 15	23 21	21 54	11 57	0 38
T 30	16n53	19n 0	2s42	5n29	3s 9	2n33	0s 3	24n50	1n25	21s36	0n42	11s43	2n36	13s21	0s44	22n37	0s55	0n12	15n37	23s15	23s21	21s52	11n58	0s38

Julian Day Number = 2176980.5, Delta T = 11m49s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'25, Lahiri = 13°22'26 Julian Calendar 1 Apr. 1248 == Greg. Calendar 8 Apr. 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

MAY 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 5 8	17♉37'01	6♌40	22♈43	7♈ 2	6♋11	11°R48	7°R45	26♒44	1♋34	9°R12	21♐25	22♐48	8♑37	3♉ 5	F 1
S 2	15 9 5	18°34'42	20°41	24° 0	7°36	6°48	11♐42	7♏41	26°45	1°36	9♏11	21°R25	22°45	8°43	3° 9	S 2
S 3	15 13 2	19°32'21	4♍28	25°19	8°11	7°24	11°35	7°36	26°46	1°38	9° 9	21°25	22°42	8°50	3°13	S 3
M 4	15 16 58	20°29'58	18° 0	26°41	8°47	8° 0	11°28	7°32	26°47	1°39	9° 7	21°22	22°38	8°57	3°17	M 4
T 5	15 20 55	21°27'34	1♎18	28° 6	9°25	8°37	11°22	7°28	26°48	1°41	9° 6	21°19	22°35	9° 3	3°20	T 5
W 6	15 24 51	22°25'08	14°22	29°33	10° 3	9°13	11°15	7°24	26°49	1°43	9° 4	21°14	22°32	9°10	3°24	W 6
T 7	15 28 48	23°22'41	27°12	1♉ 3	10°43	9°50	11° 8	7°19	26°50	1°45	9° 2	21°10	22°29	9°17	3°28	T 7
F 8	15 32 44	24°20'13	9♏49	2°35	11°24	10°26	11° 1	7°15	26°51	1°47	9° 1	21° 6	22°26	9°23	3°32	F 8
S 9	15 36 41	25°17'44	22°13	4° 9	12° 5	11° 3	10°54	7°11	26°52	1°48	8°59	21° 2	22°23	9°30	3°36	S 9
S 10	15 40 37	26°15'13	4♐26	5°46	12°48	11°39	10°47	7° 7	26°52	1°50	8°58	21° 0	22°19	9°36	3°39	S 10
M11	15 44 34	27°12'42	16°29	7°25	13°32	12°16	10°40	7° 3	26°53	1°52	8°56	20°D59	22°16	9°43	3°43	M11
T 12	15 48 30	28°10'09	28°25	9° 7	14°16	12°52	10°33	6°59	26°54	1°54	8°54	20°59	22°13	9°50	3°47	T 12
W13	15 52 27	29° 7'36	10♑15	10°50	15° 2	13°29	10°25	6°55	26°54	1°56	8°53	21° 0	22°10	9°56	3°51	W13
T 14	15 56 24	0♊ 5'01	22° 3	12°37	15°48	14° 5	10°18	6°51	26°55	1°58	8°51	21° 2	22° 7	10° 3	3°54	T 14
F 15	16 0 20	1° 2'26	3♒53	14°26	16°35	14°42	10°11	6°47	26°55	2° 0	8°50	21° 3	22° 4	10°10	3°58	F 15
S 16	16 4 17	1°59'50	15°49	16°17	17°23	15°18	10° 3	6°43	26°56	2° 2	8°48	21° 5	22° 0	10°16	4° 2	S 16
S 17	16 8 13	2°57'14	27°57	18°10	18°12	15°55	9°56	6°39	26°56	2° 4	8°47	21°R 5	21°57	10°23	4° 5	S 17
M18	16 12 10	3°54'36	10♓19	20° 6	19° 1	16°32	9°48	6°36	26°57	2° 6	8°45	21° 5	21°54	10°30	4° 9	M18
T 19	16 16 6	4°51'58	23° 2	22° 3	19°51	17° 8	9°40	6°32	26°57	2° 8	8°44	21° 4	21°51	10°36	4°13	T 19
W20	16 20 3	5°49'20	6♈ 7	24° 3	20°42	17°45	9°33	6°28	26°57	2°10	8°42	21° 3	21°48	10°43	4°16	W20
T 21	16 23 59	6°46'41	19°39	26° 5	21°33	18°22	9°25	6°25	26°57	2°12	8°41	21° 1	21°44	10°50	4°20	T 21
F 22	16 27 56	7°44'01	3♉36	28° 9	22°25	18°58	9°18	6°21	26°57	2°14	8°40	21° 0	21°41	10°56	4°23	F 22
S 23	16 31 53	8°41'21	17°58	0♊15	23°18	19°35	9°10	6°18	26°58	2°16	8°38	20°58	21°38	11° 3	4°27	S 23
S 24	16 35 49	9°38'41	2♊39	2°22	24°11	20°12	9° 2	6°14	26°58	2°18	8°37	20°57	21°35	11°10	4°30	S 24
M25	16 39 46	10°36'00	17°34	4°30	25° 5	20°48	8°55	6°11	26°R58	2°20	8°35	20°D57	21°32	11°16	4°34	M25
T 26	16 43 42	11°33'18	2♋34	6°40	25°59	21°25	8°47	6° 8	26°58	2°22	8°34	20°57	21°29	11°23	4°37	T 26
W27	16 47 39	12°30'35	17°32	8°51	26°54	22° 2	8°39	6° 5	26°57	2°25	8°33	20°57	21°25	11°30	4°40	W27
T 28	16 51 35	13°27'52	2♌19	11° 2	27°49	22°39	8°32	6° 1	26°57	2°27	8°32	20°58	21°22	11°36	4°44	T 28
F 29	16 55 32	14°25'08	16°49	13°14	28°44	23°16	8°24	5°58	26°57	2°29	8°30	20°59	21°19	11°43	4°47	F 29
S 30	16 59 29	15°22'22	1♍ 0	15°26	29°41	23°52	8°16	5°55	26°57	2°31	8°29	20°59	21°16	11°50	4°50	S 30
S 31	17 3 25	16♊19'36	14♍49	17♊37	0♉37	24♋29	8♐ 9	5♏53	26♒57	2♋33	8♏28	20°R59	21♐13	11♑56	4♉54	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	17n 9	15n 5	3s43	5n59	3s 7	2n38	0s12	24n48	1n25	21s36	0n42	11s42	2n36	13s21	0s44	22n37	0s55	0n12	15n36	23s15	23s20	21s51	12n 0	0s38	F 1
S 2	17 25	10 24	4 29	6 30	3 4	2 43	0 20	24 46	1 25	21 35	0 42	11 40	2 36	13 20	0 44	22 37	0 55	0 13	15 36	23 15	23 20	21 50	12 1	0 38	S 2
S 3	17 41	5 16	4 59	7 2	3 0	2 49	0 29	24 44	1 24	21 34	0 42	11 39	2 36	13 20	0 44	22 37	0 55	0 13	15 36	23 15	23 20	21 49	12 2	0 38	S 3
M 4	17 57	0s 2	5 12	7 35	2 56	2 56	0 37	24 42	1 24	21 33	0 42	11 38	2 35	13 20	0 44	22 37	0 55	0 13	15 36	23 15	23 20	21 47	12 3	0 38	M 4
T 5	18 12	5 14	5 8	8 10	2 52	3 4	0 44	24 39	1 24	21 32	0 42	11 37	2 35	13 19	0 44	22 37	0 55	0 14	15 36	23 15	23 20	21 46	12 5	0 38	T 5
W 6	18 27	10 6	4 48	8 46	2 47	3 12	0 52	24 37	1 24	21 31	0 42	11 35	2 35	13 19	0 44	22 37	0 55	0 14	15 36	23 15	23 20	21 45	12 6	0 38	W 6
T 7	18 42	14 27	4 14	9 22	2 41	3 21	0 59	24 34	1 24	21 31	0 42	11 34	2 35	13 19	0 44	22 37	0 55	0 14	15 35	23 14	23 19	21 43	12 7	0 39	T 7
F 8	18 56	18 5	3 27	10 0	2 35	3 31	1 6	24 31	1 24	21 30	0 42	11 33	2 35	13 18	0 44	22 37	0 55	0 14	15 35	23 14	23 19	21 42	12 8	0 39	F 8
S 9	19 10	20 50	2 32	10 38	2 28	3 41	1 12	24 28	1 23	21 29	0 42	11 32	2 35	13 18	0 44	22 37	0 55	0 15	15 35	23 14	23 19	21 41	12 9	0 39	S 9
S 10	19 24	22 35	1 30	11 17	2 21	3 52	1 19	24 24	1 23	21 28	0 42	11 30	2 35	13 18	0 44	22 37	0 55	0 15	15 35	23 14	23 19	21 39	12 11	0 39	S 10
M11	19 37	23 15	0 25	11 57	2 13	4 3	1 25	24 21	1 23	21 27	0 42	11 29	2 35	13 18	0 44	22 37	0 55	0 15	15 35	23 14	23 19	21 38	12 12	0 39	M11
T 12	19 50	22 51	0n41	12 37	2 5	4 15	1 31	24 17	1 23	21 26	0 42	11 28	2 35	13 18	0 45	22 37	0 55	0 16	15 34	23 14	23 18	21 37	12 13	0 39	T 12
W13	20 3	21 24	1 44	13 18	1 56	4 28	1 36	24 13	1 23	21 25	0 41	11 27	2 34	13 17	0 45	22 37	0 55	0 16	15 34	23 14	23 18	21 36	12 14	0 39	W13
T 14	20 15	19 2	2 43	13 59	1 47	4 41	1 42	24 9	1 23	21 24	0 41	11 26	2 34	13 17	0 45	22 37	0 55	0 16	15 34	23 14	23 18	21 34	12 15	0 39	T 14
F 15	20 27	15 52	3 35	14 41	1 38	4 54	1 47	24 5	1 22	21 23	0 41	11 24	2 34	13 17	0 45	22 37	0 54	0 16	15 34	23 14	23 18	21 33	12 17	0 39	F 15
S 16	20 39	12 2	4 19	15 22	1 28	5 8	1 52	24 1	1 22	21 22	0 41	11 23	2 34	13 17	0 45	22 37	0 54	0 16	15 33	23 14	23 18	21 31	12 18	0 39	S 16
S 17	20 50	7 41	4 51	16 4	1 18	5 22	1 57	23 56	1 22	21 21	0 41	11 22	2 34	13 17	0 45	22 37	0 54	0 17	15 33	23 14	23 17	21 30	12 19	0 40	S 17
M18	21 1	2 56	5 11	16 45	1 7	5 36	2 1	23 52	1 22	21 20	0 41	11 21	2 34	13 17	0 45	22 37	0 54	0 17	15 33	23 14	23 17	21 29	12 20	0 40	M18
T 19	21 12	2n 4	5 16	17 27	0 57	5 51	2 6	23 47	1 22	21 19	0 41	11 20	2 33	13 17	0 45	22 37	0 54	0 17	15 33	23 14	23 17	21 27	12 21	0 40	T 19
W20	21 22	7 7	5 6	18 7	0 46	6 7	2 10	23 42	1 21	21 18	0 41	11 19	2 33	13 17	0 45	22 37	0 54	0 17	15 32	23 14	23 17	21 26	12 22	0 40	W20
T 21	21 32	12 0	4 38	18 47	0 35	6 22	2 14	23 37	1 21	21 17	0 41	11 18	2 33	13 17	0 45	22 37	0 54	0 17	15 32	23 14	23 17	21 25	12 23	0 40	T 21
F 22	21 41	16 25	3 53	19 26	0 24	6 38	2 17	23 31	1 21	21 16	0 40	11 17	2 33	13 17	0 45	22 37	0 54	0 17	15 32	23 14	23 16	21 23	12 24	0 40	F 22
S 23	21 50	20 1	2 53	20 4	0 13	6 54	2 21	23 26	1 21	21 15	0 40	11 16	2 33	13 17	0 45	22 37	0 54	0 17	15 31	23 14	23 16	21 22	12 25	0 40	S 23
S 24	21 59	22 24	1 40	20 41	0 2	7 11	2 24	23 20	1 21	21 14	0 40	11 15	2 33	13 17	0 45	22 37	0 54	0 18	15 31	23 14	23 16	21 21	12 27	0 40	S 24
M25	22 8	23 16	0 19	21 16	0n 8	7 28	2 27	23 14	1 20	21 13	0 40	11 14	2 32	13 17	0 45	22 37	0 54	0 18	15 31	23 14	23 16	21 19	12 28	0 40	M25
T 26	22 16	22 27	1s 4	21 49	0 19	7 45	2 30	23 9	1 20	21 12	0 40	11 13	2 32	13 17	0 45	22 37	0 54	0 18	15 30	23 14	23 16	21 18	12 29	0 40	T 26
W27	22 23	20 2	2 22	22 21	0 29	8 2	2 33	23 2	1 20	21 11	0 40	11 13	2 32	13 17	0 45	22 37	0 54	0 18	15 30	23 14	23 15	21 16	12 30	0 41	W27
T 28	22 30	16 19	3 30	22 50	0 39	8 19	2 35	22 56	1 20	21 10	0 40	11 12	2 32	13 17	0 45	22 37	0 54	0 18	15 30	23 14	23 15	21 15	12 31	0 41	T 28
F 29	22 37	11 41	4 23	23 17	0 49	8 37	2 38	22 50	1 19	21 9	0 40	11 11	2 32	13 17	0 45	22 37	0 54	0 18	15 29	23 14	23 15	21 14	12 32	0 41	F 29
S 30	22 44	6 31	4 59	23 42	0 58	8 55	2 40	22 43	1 19	21 8	0 39	11 10	2 31	13 17	0 45	22 37	0 54	0 18	15 29	23 14	23 15	21 12	12 33	0 41	S 30
S 31	22n50	1n 9	5s16	24n 3	1n 6	9n12	2s42	22n36	1n19	21s 7	0n39	11s 9	2n31	13s17	0s45	22n37	0s54	0n18	15n28	23s14	23s15	21s11	12n34	0s41	S 31

Julian Day Number = 2177010.5, Delta T = 11m49s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'29, Lahiri = 13°22'30 Julian Calendar 1 May 1248 == Greg. Calendar 8 May 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

JUNE 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 7 22	17♊16'50	28♍16	19♊48	1♉34	25♋ 6	8°R 1	5°R50	26°R56	2♋35	8°R27	20°R59	21♐10	12♑ 3	4♉57	M 1
T 2	17 11 18	18°14'02	11♎24	21°59	2°32	25°43	7♐54	5♏47	26♒56	2°37	8♏25	20♐59	21° 6	12°10	5° 0	T 2
W 3	17 15 15	19°11'14	24°13	24° 8	3°29	26°20	7°47	5°44	26°56	2°40	8°24	20°59	21° 3	12°16	5° 3	W 3
T 4	17 19 11	20° 8'25	6♏46	26°17	4°28	26°57	7°39	5°42	26°55	2°42	8°23	20°59	21° 0	12°23	5° 6	T 4
F 5	17 23 8	21° 5'36	19° 6	28°24	5°26	27°34	7°32	5°39	26°55	2°44	8°22	20°D59	20°57	12°29	5° 9	F 5
S 6	17 27 4	22° 2'46	1♐16	0♋29	6°25	28°11	7°25	5°37	26°54	2°46	8°21	20°59	20°54	12°36	5°12	S 6
S 7	17 31 1	22°59'56	13°17	2°33	7°25	28°48	7°18	5°35	26°53	2°48	8°20	20°59	20°50	12°43	5°15	S 7
M 8	17 34 58	23°57'06	25°11	4°35	8°24	29°25	7°11	5°32	26°53	2°51	8°19	20°R59	20°47	12°49	5°18	M 8
T 9	17 38 54	24°54'16	7♑ 2	6°36	9°24	0♌ 2	7° 4	5°30	26°52	2°53	8°18	20°59	20°44	12°56	5°21	T 9
W10	17 42 51	25°51'25	18°50	8°34	10°25	0°39	6°57	5°28	26°51	2°55	8°17	20°58	20°41	13° 3	5°24	W10
T 11	17 46 47	26°48'34	0♒39	10°31	11°25	1°16	6°50	5°26	26°50	2°57	8°16	20°58	20°38	13° 9	5°27	T 11
F 12	17 50 44	27°45'44	12°32	12°25	12°26	1°53	6°43	5°24	26°50	2°59	8°15	20°57	20°35	13°16	5°30	F 12
S 13	17 54 40	28°42'53	24°31	14°18	13°27	2°30	6°36	5°22	26°49	3° 2	8°14	20°56	20°31	13°23	5°32	S 13
S 14	17 58 37	29°40'03	6♓39	16° 8	14°29	3° 7	6°30	5°21	26°48	3° 4	8°13	20°55	20°28	13°29	5°35	S 14
M15	18 2 33	0♋37'13	19° 2	17°57	15°31	3°44	6°23	5°19	26°47	3° 6	8°12	20°54	20°25	13°36	5°38	M15
T 16	18 6 30	1°34'23	1♈41	19°43	16°33	4°21	6°17	5°18	26°46	3° 8	8°11	20°D54	20°22	13°43	5°41	T 16
W17	18 10 27	2°31'33	14°42	21°28	17°35	4°58	6°11	5°16	26°45	3°11	8°11	20°54	20°19	13°49	5°43	W17
T 18	18 14 23	3°28'44	28° 8	23°10	18°38	5°35	6° 5	5°15	26°44	3°13	8°10	20°55	20°16	13°56	5°46	T 18
F 19	18 18 20	4°25'55	11♉59	24°50	19°41	6°12	5°59	5°14	26°43	3°15	8° 9	20°56	20°12	14° 3	5°48	F 19
S 20	18 22 16	5°23'07	26°16	26°28	20°44	6°50	5°53	5°12	26°41	3°17	8° 8	20°57	20° 9	14° 9	5°51	S 20
S 21	18 26 13	6°20'19	10♊57	28° 4	21°47	7°27	5°47	5°11	26°40	3°19	8° 8	20°58	20° 6	14°16	5°53	S 21
M22	18 30 9	7°17'32	25°56	29°38	22°51	8° 4	5°42	5°10	26°39	3°22	8° 7	20°R58	20° 3	14°23	5°55	M22
T 23	18 34 6	8°14'44	11♋ 5	1♌10	23°55	8°41	5°36	5° 9	26°38	3°24	8° 6	20°57	20° 0	14°29	5°58	T 23
W24	18 38 2	9°11'57	26°17	2°40	24°59	9°19	5°31	5° 9	26°36	3°26	8° 6	20°56	19°56	14°36	6° 0	W24
T 25	18 41 59	10° 9'11	11♌20	4° 8	26° 3	9°56	5°26	5° 8	26°35	3°28	8° 5	20°53	19°53	14°43	6° 2	T 25
F 26	18 45 56	11° 6'24	26° 6	5°33	27° 8	10°33	5°21	5° 7	26°33	3°31	8° 5	20°51	19°50	14°49	6° 5	F 26
S 27	18 49 52	12° 3'38	10♍30	6°57	28°12	11°11	5°16	5° 7	26°32	3°33	8° 4	20°48	19°47	14°56	6° 7	S 27
S 28	18 53 49	13° 0'51	24°27	8°18	29°17	11°48	5°11	5° 6	26°30	3°35	8° 4	20°47	19°44	15° 3	6° 9	S 28
M29	18 57 45	13°58'05	7♎58	9°37	0♊22	12°25	5° 7	5° 6	26°29	3°37	8° 3	20°D46	19°41	15° 9	6°11	M29
T 30	19 1 42	14♋55'19	21♎ 3	10♌53	1♊27	13♌ 3	5♐ 2	5♏ 6	26♒27	3♋39	8♏ 3	20♐46	19♐37	15♑16	6♉13	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n56	4s 7	5s15	24n23	1n14	9n30	2s44	22n29	1n19	21s 6	0n39	11s 9	2n31	13s18	0s45	22n37	0s54	0n18	15n28	23s14	23s14	21s 9	12n35	0s41
T 2	23 1	9 5	4 58	24 39	1 22	9 48	2 46	22 22	1 19	21 4	0 39	11 8	2 31	13 18	0 45	22 37	0 54	0 18	15 28	23 14	23 14	21 8	12 36	0 41
W 3	23 6	13 32	4 26	24 52	1 28	10 7	2 47	22 15	1 18	21 3	0 39	11 7	2 31	13 18	0 45	22 36	0 54	0 18	15 27	23 14	23 14	21 7	12 37	0 41
T 4	23 10	17 19	3 42	25 3	1 34	10 25	2 48	22 8	1 18	21 2	0 39	11 7	2 30	13 18	0 45	22 36	0 54	0 18	15 27	23 14	23 14	21 5	12 38	0 41
F 5	23 14	20 16	2 48	25 11	1 39	10 43	2 50	22 0	1 18	21 1	0 38	11 6	2 30	13 18	0 45	22 36	0 54	0 18	15 26	23 14	23 14	21 4	12 38	0 41
S 6	23 18	22 15	1 47	25 16	1 44	11 2	2 51	21 53	1 18	21 0	0 38	11 5	2 30	13 18	0 45	22 36	0 54	0 18	15 26	23 14	23 13	21 2	12 39	0 42
S 7	23 21	23 11	0 43	25 18	1 48	11 20	2 52	21 45	1 17	20 59	0 38	11 5	2 30	13 19	0 46	22 36	0 54	0 18	15 26	23 14	23 13	21 1	12 40	0 42
M 8	23 24	23 4	0n23	25 18	1 51	11 39	2 52	21 37	1 17	20 58	0 38	11 4	2 29	13 19	0 46	22 36	0 54	0 18	15 25	23 14	23 13	20 59	12 41	0 42
T 9	23 26	21 53	1 28	25 15	1 53	11 57	2 53	21 29	1 17	20 57	0 38	11 4	2 29	13 19	0 46	22 36	0 54	0 17	15 25	23 14	23 13	20 58	12 42	0 42
W10	23 28	19 45	2 29	25 10	1 55	12 15	2 53	21 21	1 17	20 56	0 38	11 3	2 29	13 20	0 46	22 36	0 54	0 17	15 24	23 14	23 12	20 56	12 43	0 42
T 11	23 30	16 47	3 23	25 2	1 56	12 34	2 54	21 12	1 16	20 55	0 37	11 3	2 29	13 20	0 46	22 36	0 54	0 17	15 24	23 14	23 12	20 55	12 44	0 42
F 12	23 31	13 8	4 9	24 53	1 56	12 52	2 54	21 4	1 16	20 54	0 37	11 3	2 29	13 20	0 46	22 36	0 54	0 17	15 23	23 14	23 12	20 54	12 45	0 42
S 13	23 32	8 56	4 44	24 41	1 55	13 11	2 54	20 55	1 16	20 53	0 37	11 2	2 28	13 21	0 46	22 36	0 54	0 17	15 23	23 13	23 12	20 52	12 45	0 42
S 14	23 32	4 21	5 7	24 27	1 54	13 29	2 54	20 46	1 16	20 53	0 37	11 2	2 28	13 21	0 46	22 36	0 54	0 17	15 22	23 13	23 12	20 51	12 46	0 42
M15	23 32	0n30	5 17	24 11	1 52	13 47	2 54	20 37	1 15	20 52	0 37	11 2	2 28	13 21	0 46	22 36	0 54	0 16	15 22	23 13	23 11	20 49	12 47	0 43
T 16	23 32	5 26	5 12	23 54	1 50	14 5	2 53	20 28	1 15	20 51	0 37	11 1	2 28	13 22	0 46	22 36	0 54	0 16	15 21	23 13	23 11	20 48	12 48	0 43
W17	23 31	10 16	4 50	23 35	1 47	14 23	2 53	20 19	1 15	20 50	0 36	11 1	2 27	13 22	0 46	22 36	0 54	0 16	15 21	23 13	23 11	20 46	12 48	0 43
T 18	23 29	14 47	4 13	23 14	1 43	14 41	2 52	20 9	1 15	20 49	0 36	11 1	2 27	13 22	0 46	22 36	0 54	0 16	15 20	23 13	23 11	20 45	12 49	0 43
F 19	23 28	18 39	3 20	22 52	1 39	14 58	2 52	20 0	1 14	20 48	0 36	11 1	2 27	13 23	0 46	22 36	0 54	0 16	15 20	23 13	23 10	20 43	12 50	0 43
S 20	23 26	21 33	2 13	22 29	1 34	15 16	2 51	19 50	1 14	20 47	0 36	11 0	2 27	13 23	0 46	22 36	0 54	0 15	15 19	23 14	23 10	20 42	12 51	0 43
S 21	23 23	23 5	0 55	22 5	1 29	15 33	2 50	19 40	1 14	20 46	0 36	11 0	2 26	13 24	0 46	22 36	0 54	0 15	15 19	23 14	23 10	20 40	12 51	0 43
M22	23 20	23 1	0s27	21 40	1 23	15 50	2 49	19 31	1 14	20 46	0 35	11 0	2 26	13 24	0 46	22 36	0 54	0 15	15 18	23 14	23 10	20 39	12 52	0 43
T 23	23 17	21 16	1 49	21 14	1 17	16 7	2 48	19 20	1 13	20 45	0 35	11 0	2 26	13 25	0 46	22 36	0 54	0 14	15 18	23 14	23 9	20 37	12 53	0 44
W24	23 13	17 59	3 3	20 47	1 10	16 24	2 47	19 10	1 13	20 44	0 35	11 0	2 26	13 25	0 46	22 36	0 54	0 14	15 17	23 13	23 9	20 36	12 53	0 44
T 25	23 9	13 33	4 4	20 19	1 3	16 40	2 45	19 0	1 13	20 43	0 35	11 0	2 25	13 26	0 46	22 36	0 54	0 14	15 17	23 13	23 9	20 34	12 54	0 44
F 26	23 4	8 22	4 47	19 51	0 55	16 56	2 44	18 50	1 13	20 43	0 35	11 0	2 25	13 26	0 46	22 36	0 54	0 13	15 16	23 13	23 9	20 33	12 55	0 44
S 27	22 59	2 52	5 10	19 22	0 47	17 12	2 42	18 39	1 12	20 42	0 34	11 0	2 25	13 27	0 46	22 35	0 54	0 13	15 16	23 13	23 8	20 31	12 55	0 44
S 28	22 54	2s36	5 15	18 53	0 38	17 28	2 41	18 28	1 12	20 41	0 34	11 0	2 24	13 27	0 46	22 35	0 54	0 13	15 15	23 13	23 8	20 30	12 56	0 44
M29	22 48	7 47	5 1	18 23	0 29	17 43	2 39	18 17	1 12	20 41	0 34	11 1	2 24	13 28	0 46	22 35	0 54	0 12	15 15	23 13	23 8	20 28	12 56	0 44
T 30	22n42	12s27	4s33	17n53	0n20	17n58	2s37	18n 7	1n11	20s40	0n34	11s 1	2n24	13s28	0s46	22n35	0s54	0n12	15n14	23s13	23s 8	20s26	12n57	0s44

Julian Day Number = 2177041.5, Delta T = 11m49s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'34, Lahiri = 13°22'34 Julian Calendar 1 June 1248 == Greg. Calendar 8 June 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

JULY 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 5 38	15♋52'33	3♏46	12♌ 8	2♊33	13♌40	4°R58	5°R 6	26°R26	3♋42	8°R 3	20♐47	19♐34	15♑23	6♉15	W 1
T 2	19 9 35	16°49'47	16°11	13°19	3°38	14°18	4♐54	5°D 6	26♒24	3°44	8♏ 2	20°48	19°31	15°29	6°17	T 2
F 3	19 13 31	17°47'02	28°21	14°29	4°44	14°55	4°50	5♏ 6	26°22	3°46	8° 2	20°50	19°28	15°36	6°18	F 3
S 4	19 17 28	18°44'18	10♐21	15°36	5°50	15°33	4°46	5° 6	26°21	3°48	8° 2	20°51	19°25	15°43	6°20	S 4
S 5	19 21 25	19°41'33	22°14	16°40	6°56	16°10	4°43	5° 6	26°19	3°50	8° 2	20°R51	19°22	15°49	6°22	S 5
M 6	19 25 21	20°38'50	4♑ 3	17°41	8° 2	16°48	4°39	5° 7	26°17	3°53	8° 1	20°51	19°18	15°56	6°24	M 6
T 7	19 29 18	21°36'07	15°51	18°40	9° 9	17°25	4°36	5° 7	26°15	3°55	8° 1	20°48	19°15	16° 3	6°25	T 7
W 8	19 33 14	22°33'24	27°41	19°35	10°15	18° 3	4°33	5° 8	26°13	3°57	8° 1	20°45	19°12	16° 9	6°27	W 8
T 9	19 37 11	23°30'43	9♒34	20°28	11°22	18°40	4°30	5° 8	26°12	3°59	8° 1	20°40	19° 9	16°16	6°28	T 9
F 10	19 41 7	24°28'02	21°32	21°17	12°29	19°18	4°27	5° 9	26°10	4° 1	8° 1	20°34	19° 6	16°23	6°30	F 10
S 11	19 45 4	25°25'22	3♓38	22° 3	13°36	19°56	4°25	5°10	26° 8	4° 3	8°D 1	20°28	19° 2	16°29	6°31	S 11
S 12	19 49 0	26°22'43	15°53	22°45	14°43	20°33	4°23	5°11	26° 6	4° 5	8° 1	20°22	18°59	16°36	6°33	S 12
M13	19 52 57	27°20'05	28°20	23°24	15°51	21°11	4°20	5°12	26° 4	4° 7	8° 1	20°18	18°56	16°43	6°34	M13
T 14	19 56 54	28°17'28	11♈ 1	23°59	16°58	21°49	4°18	5°13	26° 2	4° 9	8° 1	20°15	18°53	16°49	6°35	T 14
W15	20 0 50	29°14'53	24° 0	24°29	18° 6	22°26	4°16	5°14	26° 0	4°12	8° 1	20°D13	18°50	16°56	6°36	W15
T 16	20 4 47	0♌12'19	7♉19	24°56	19°13	23° 4	4°15	5°16	25°58	4°14	8° 1	20°13	18°47	17° 3	6°37	T 16
F 17	20 8 43	1° 9'46	21° 0	25°18	20°21	23°42	4°13	5°17	25°56	4°16	8° 1	20°14	18°43	17° 9	6°39	F 17
S 18	20 12 40	2° 7'15	5♊ 6	25°35	21°29	24°20	4°12	5°19	25°53	4°18	8° 2	20°16	18°40	17°16	6°40	S 18
S 19	20 16 36	3° 4'44	19°35	25°48	22°38	24°58	4°11	5°20	25°51	4°20	8° 2	20°R16	18°37	17°23	6°41	S 19
M20	20 20 33	4° 2'16	4♋24	25°55	23°46	25°35	4°10	5°22	25°49	4°22	8° 2	20°16	18°34	17°29	6°41	M20
T 21	20 24 30	4°59'48	19°28	25°R58	24°54	26°13	4° 9	5°24	25°47	4°24	8° 2	20°13	18°31	17°36	6°42	T 21
W22	20 28 26	5°57'22	4♌39	25°55	26° 3	26°51	4° 9	5°26	25°45	4°26	8° 3	20° 8	18°28	17°43	6°43	W22
T 23	20 32 23	6°54'57	19°46	25°47	27°12	27°29	4° 9	5°28	25°43	4°28	8° 3	20° 2	18°24	17°49	6°44	T 23
F 24	20 36 19	7°52'33	4♍40	25°33	28°21	28° 7	4°D 8	5°30	25°40	4°30	8° 4	19°55	18°21	17°56	6°45	F 24
S 25	20 40 16	8°50'09	19°12	25°14	29°29	28°45	4° 8	5°32	25°38	4°31	8° 4	19°48	18°18	18° 3	6°45	S 25
S 26	20 44 12	9°47'47	3♎18	24°49	0♋39	29°23	4° 9	5°34	25°36	4°33	8° 5	19°42	18°15	18° 9	6°46	S 26
M27	20 48 9	10°45'26	16°55	24°19	1°48	0♍ 1	4° 9	5°37	25°34	4°35	8° 5	19°37	18°12	18°16	6°46	M27
T 28	20 52 5	11°43'06	0♏ 3	23°44	2°57	0°39	4°10	5°39	25°31	4°37	8° 6	19°34	18° 8	18°22	6°47	T 28
W29	20 56 2	12°40'48	12°46	23° 5	4° 6	1°17	4°10	5°42	25°29	4°39	8° 6	19°D34	18° 5	18°29	6°47	W29
T 30	20 59 58	13°38'30	25° 9	22°21	5°16	1°56	4°11	5°44	25°27	4°41	8° 7	19°34	18° 2	18°36	6°47	T 30
F 31	21 3 55	14♌36'13	7♐15	21♌34	6♋25	2♍34	4♐13	5♏47	25♒24	4♋43	8♏ 7	19♐35	17♐59	18♑42	6♉48	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n35	16s26	3s51	17n23	0n10	18n13	2s35	17n55	1n11	20s40	0n34	11s 1	2n24	13s29	0s46	22n35	0s54	0n12	15n14	23s13	23s 7	20s25	12n57	0s45
T 2	22 28	19 36	2 59	16 53	0 0	18 27	2 33	17 44	1 11	20 39	0 33	11 1	2 23	13 30	0 46	22 35	0 54	0 11	15 13	23 13	23 7	20 23	12 58	0 45
F 3	22 21	21 50	2 1	16 23	0s10	18 41	2 31	17 33	1 11	20 39	0 33	11 1	2 23	13 30	0 46	22 35	0 54	0 11	15 13	23 13	23 7	20 22	12 58	0 45
S 4	22 13	23 2	0 57	15 53	0 21	18 55	2 29	17 22	1 10	20 38	0 33	11 2	2 23	13 31	0 46	22 35	0 54	0 10	15 12	23 13	23 7	20 20	12 59	0 45
S 5	22 5	23 11	0n 8	15 24	0 32	19 8	2 27	17 10	1 10	20 38	0 33	11 2	2 23	13 31	0 46	22 35	0 54	0 10	15 12	23 13	23 6	20 19	12 59	0 45
M 6	21 57	22 17	1 12	14 54	0 43	19 21	2 25	16 58	1 10	20 37	0 33	11 3	2 22	13 32	0 46	22 35	0 54	0 9	15 11	23 13	23 6	20 17	13 0	0 45
T 7	21 48	20 24	2 13	14 25	0 55	19 34	2 22	16 47	1 9	20 37	0 32	11 3	2 22	13 33	0 46	22 35	0 54	0 9	15 10	23 13	23 6	20 16	13 0	0 45
W 8	21 38	17 38	3 8	13 57	1 7	19 46	2 20	16 35	1 9	20 36	0 32	11 3	2 22	13 33	0 47	22 35	0 54	0 8	15 10	23 13	23 6	20 14	13 1	0 45
T 9	21 29	14 9	3 55	13 29	1 19	19 58	2 17	16 23	1 9	20 36	0 32	11 4	2 22	13 34	0 47	22 35	0 54	0 8	15 9	23 12	23 5	20 12	13 1	0 46
F 10	21 19	10 5	4 32	13 2	1 31	20 9	2 15	16 11	1 9	20 36	0 32	11 4	2 21	13 35	0 47	22 35	0 54	0 7	15 9	23 12	23 5	20 11	13 1	0 46
S 11	21 8	5 35	4 58	12 35	1 43	20 20	2 12	15 59	1 8	20 36	0 32	11 5	2 21	13 35	0 47	22 35	0 54	0 7	15 8	23 12	23 5	20 9	13 2	0 46
S 12	20 58	0 50	5 10	12 10	1 56	20 31	2 9	15 46	1 8	20 35	0 31	11 5	2 21	13 36	0 47	22 35	0 54	0 6	15 8	23 11	23 5	20 8	13 2	0 46
M13	20 47	4n 2	5 8	11 46	2 8	20 41	2 7	15 34	1 8	20 35	0 31	11 6	2 20	13 37	0 47	22 35	0 54	0 6	15 7	23 11	23 4	20 6	13 2	0 46
T 14	20 35	8 50	4 51	11 22	2 21	20 50	2 4	15 21	1 7	20 35	0 31	11 7	2 20	13 37	0 47	22 34	0 54	0 5	15 7	23 11	23 4	20 5	13 3	0 46
W15	20 23	13 21	4 19	11 0	2 33	20 59	2 1	15 9	1 7	20 35	0 31	11 7	2 20	13 38	0 47	22 34	0 54	0 5	15 6	23 10	23 4	20 3	13 3	0 46
T 16	20 11	17 21	3 32	10 40	2 46	21 8	1 58	14 56	1 7	20 35	0 31	11 8	2 20	13 39	0 47	22 34	0 54	0 4	15 5	23 10	23 4	20 1	13 3	0 46
F 17	19 59	20 32	2 32	10 21	2 58	21 16	1 55	14 43	1 6	20 35	0 30	11 9	2 19	13 40	0 47	22 34	0 54	0 3	15 5	23 11	23 3	20 0	13 3	0 47
S 18	19 46	22 34	1 22	10 4	3 10	21 24	1 52	14 30	1 6	20 35	0 30	11 10	2 19	13 40	0 47	22 34	0 54	0 3	15 4	23 11	23 3	19 58	13 4	0 47
S 19	19 33	23 11	0 4	9 48	3 22	21 31	1 49	14 17	1 6	20 35	0 30	11 10	2 19	13 41	0 47	22 34	0 54	0 2	15 4	23 11	23 3	19 57	13 4	0 47
M20	19 19	22 12	1s16	9 35	3 33	21 37	1 46	14 4	1 5	20 35	0 30	11 11	2 19	13 42	0 47	22 34	0 54	0 2	15 3	23 11	23 3	19 55	13 4	0 47
T 21	19 6	19 37	2 31	9 24	3 44	21 43	1 43	13 51	1 5	20 35	0 30	11 12	2 18	13 43	0 47	22 34	0 54	0 1	15 3	23 10	23 2	19 53	13 4	0 47
W22	18 52	15 40	3 37	9 15	3 55	21 49	1 40	13 38	1 5	20 35	0 29	11 13	2 18	13 43	0 47	22 34	0 54	0 0	15 2	23 10	23 2	19 52	13 4	0 47
T 23	18 37	10 44	4 26	9 8	4 5	21 54	1 37	13 24	1 4	20 35	0 29	11 14	2 18	13 44	0 47	22 34	0 54	0s 0	15 1	23 10	23 2	19 50	13 4	0 47
F 24	18 22	5 14	4 57	9 4	4 14	21 58	1 33	13 11	1 4	20 35	0 29	11 15	2 18	13 45	0 47	22 34	0 54	0 1	15 1	23 9	23 1	19 48	13 4	0 48
S 25	18 7	0s26	5 8	9 3	4 22	22 2	1 30	12 57	1 4	20 35	0 29	11 16	2 17	13 46	0 47	22 34	0 54	0 2	15 0	23 9	23 1	19 47	13 4	0 48
S 26	17 52	5 53	4 59	9 5	4 29	22 5	1 27	12 43	1 4	20 36	0 29	11 17	2 17	13 46	0 47	22 34	0 54	0 2	15 0	23 8	23 1	19 45	13 5	0 48
M27	17 36	10 53	4 34	9 9	4 35	22 8	1 24	12 30	1 3	20 36	0 28	11 18	2 17	13 47	0 47	22 34	0 54	0 3	14 59	23 8	23 1	19 43	13 5	0 48
T 28	17 20	15 11	3 55	9 16	4 39	22 10	1 20	12 16	1 3	20 36	0 28	11 19	2 17	13 48	0 47	22 33	0 54	0 4	14 59	23 7	23 0	19 42	13 5	0 48
W29	17 4	18 40	3 5	9 26	4 42	22 12	1 17	12 2	1 3	20 37	0 28	11 20	2 16	13 49	0 47	22 33	0 54	0 4	14 58	23 7	23 0	19 40	13 5	0 48
T 30	16 48	21 12	2 8	9 39	4 43	22 12	1 13	11 48	1 2	20 37	0 28	11 21	2 16	13 50	0 47	22 33	0 54	0 5	14 57	23 7	23 0	19 39	13 5	0 48
F 31	16n31	22s42	1s 6	9n55	4s43	22n13	1s10	11n34	1n 2	20s37	0n28	11s22	2n16	13s50	0s47	22n33	0s54	0s 6	14n57	23s 8	22s59	19s37	13n 4	0s48

Julian Day Number = 2177071.5, Delta T = 11m49s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'38, Lahiri = 13°22'38 Julian Calendar 1 July 1248 == Greg. Calendar 8 July 1248

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1248
geocentric

AUGUST 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 7 52	15♌33'58	19♐11	20°R44	7♋35	3♍12	4♐14	5♏50	25°R22	4♋44	8♏ 8	19°R36	17♐56	18♑49	6♉48	S 1
S 2	21 11 48	16°31'43	1♑ 0	19♌52	8°45	3°50	4°15	5°53	25♒20	4°46	8° 9	19♐35	17°53	18°56	6°48	S 2
M 3	21 15 45	17°29'30	12°48	18°59	9°55	4°28	4°17	5°56	25°17	4°48	8°10	19°32	17°49	19° 2	6°48	M 3
T 4	21 19 41	18°27'19	24°37	18° 6	11° 5	5° 6	4°19	5°59	25°15	4°50	8°10	19°27	17°46	19° 9	6°R48	T 4
W 5	21 23 38	19°25'08	6♒31	17°14	12°15	5°45	4°21	6° 2	25°13	4°51	8°11	19°20	17°43	19°16	6°48	W 5
T 6	21 27 34	20°23'00	18°31	16°25	13°25	6°23	4°23	6° 5	25°10	4°53	8°12	19°10	17°40	19°22	6°48	T 6
F 7	21 31 31	21°20'52	0♓40	15°39	14°35	7° 1	4°26	6° 8	25° 8	4°55	8°13	18°59	17°37	19°29	6°48	F 7
S 8	21 35 27	22°18'46	12°57	14°56	15°46	7°40	4°28	6°12	25° 5	4°56	8°14	18°47	17°34	19°36	6°47	S 8
S 9	21 39 24	23°16'42	25°25	14°20	16°56	8°18	4°31	6°15	25° 3	4°58	8°15	18°36	17°30	19°42	6°47	S 9
M10	21 43 21	24°14'40	8♈ 3	13°49	18° 7	8°57	4°34	6°19	25° 1	5° 0	8°16	18°27	17°27	19°49	6°47	M10
T 11	21 47 17	25°12'39	20°53	13°25	19°18	9°35	4°37	6°23	24°58	5° 1	8°17	18°20	17°24	19°56	6°46	T 11
W12	21 51 14	26°10'41	3♉57	13° 9	20°29	10°13	4°41	6°26	24°56	5° 3	8°18	18°16	17°21	20° 2	6°46	W12
T 13	21 55 10	27° 8'44	17°16	13° 0	21°40	10°52	4°44	6°30	24°53	5° 4	8°19	18°14	17°18	20° 9	6°46	T 13
F 14	21 59 7	28° 6'50	0♊52	13°D 0	22°51	11°30	4°48	6°34	24°51	5° 6	8°20	18°D13	17°14	20°16	6°45	F 14
S 15	22 3 3	29° 4'57	14°47	13° 9	24° 2	12° 9	4°52	6°38	24°49	5° 7	8°21	18°R14	17°11	20°22	6°44	S 15
S 16	22 7 0	0♍ 3'07	29° 1	13°26	25°13	12°48	4°56	6°42	24°46	5° 9	8°22	18°13	17° 8	20°29	6°44	S 16
M17	22 10 56	1° 1'18	13♋33	13°51	26°24	13°26	5° 0	6°46	24°44	5°10	8°24	18°11	17° 5	20°36	6°43	M17
T 18	22 14 53	1°59'32	28°19	14°25	27°36	14° 5	5° 4	6°50	24°41	5°12	8°25	18° 7	17° 2	20°43	6°42	T 18
W19	22 18 50	2°57'47	13♌14	15° 8	28°47	14°44	5° 9	6°55	24°39	5°13	8°26	17°59	16°59	20°49	6°41	W19
T 20	22 22 46	3°56'05	28°10	15°58	29°59	15°22	5°13	6°59	24°37	5°14	8°27	17°50	16°55	20°56	6°40	T 20
F 21	22 26 43	4°54'24	12♍57	16°56	1♌10	16° 1	5°18	7° 3	24°34	5°16	8°29	17°39	16°52	21° 3	6°39	F 21
S 22	22 30 39	5°52'45	27°26	18° 0	2°22	16°40	5°23	7° 8	24°32	5°17	8°30	17°28	16°49	21° 9	6°38	S 22
S 23	22 34 36	6°51'08	11♎32	19°12	3°34	17°19	5°28	7°13	24°30	5°18	8°31	17°18	16°46	21°16	6°37	S 23
M24	22 38 32	7°49'32	25°11	20°30	4°46	17°58	5°34	7°17	24°27	5°19	8°33	17°10	16°43	21°23	6°36	M24
T 25	22 42 29	8°47'58	8♏23	21°53	5°58	18°36	5°39	7°22	24°25	5°21	8°34	17° 4	16°39	21°29	6°35	T 25
W26	22 46 25	9°46'26	21° 9	23°21	7°10	19°15	5°45	7°27	24°23	5°22	8°36	17° 1	16°36	21°36	6°33	W26
T 27	22 50 22	10°44'55	3♐32	24°54	8°22	19°54	5°51	7°32	24°21	5°23	8°37	17° 0	16°33	21°43	6°32	T 27
F 28	22 54 19	11°43'27	15°39	26°30	9°34	20°33	5°57	7°36	24°18	5°24	8°39	17° 0	16°30	21°49	6°31	F 28
S 29	22 58 15	12°41'59	27°35	28°10	10°47	21°12	6° 3	7°41	24°16	5°25	8°40	17° 0	16°27	21°56	6°29	S 29
S 30	23 2 12	13°40'34	9♑24	29°53	11°59	21°51	6° 9	7°46	24°14	5°26	8°42	16°58	16°24	22° 3	6°28	S 30
M31	23 6 8	14♍39'10	21♑13	1♍38	13♌11	22♍30	6♐15	7♏52	24♒12	5♋27	8♏43	16♐55	16♐20	22♑ 9	6♉26	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n14	23s 8	0s 2	10n12	4s40	22n12	1s 7	11n20	1n 1	20s38	0n27	11s23	2n16	13s51	0s47	22n33	0s54	0s 7	14n56	23s 8	22s59	19s35	13n 4	0s49
S 2	15 57	22 31	1n 1	10 33	4 36	22 12	1 3	11 5	1 1	20 38	0 27	11 24	2 15	13 52	0 47	22 33	0 54	0 7	14 56	23 8	22 59	19 34	13 4	0 49
M 3	15 39	20 54	2 1	10 55	4 30	22 10	1 0	10 51	1 1	20 39	0 27	11 26	2 15	13 53	0 47	22 33	0 54	0 8	14 55	23 7	22 59	19 32	13 4	0 49
T 4	15 21	18 24	2 56	11 19	4 22	22 8	0 56	10 37	1 0	20 39	0 27	11 27	2 15	13 54	0 47	22 33	0 54	0 9	14 55	23 7	22 58	19 30	13 4	0 49
W 5	15 3	15 7	3 44	11 43	4 12	22 5	0 53	10 22	1 0	20 40	0 27	11 28	2 15	13 54	0 47	22 33	0 54	0 10	14 54	23 6	22 58	19 29	13 4	0 49
T 6	14 45	11 11	4 22	12 9	4 0	22 2	0 50	10 8	1 0	20 41	0 26	11 29	2 14	13 55	0 47	22 33	0 54	0 10	14 54	23 6	22 58	19 27	13 4	0 49
F 7	14 27	6 47	4 48	12 36	3 47	21 58	0 46	9 53	0 59	20 41	0 26	11 31	2 14	13 56	0 47	22 33	0 54	0 11	14 53	23 5	22 57	19 25	13 4	0 49
S 8	14 8	2 5	5 2	13 2	3 33	21 54	0 43	9 39	0 59	20 42	0 26	11 32	2 14	13 57	0 47	22 33	0 54	0 12	14 52	23 4	22 57	19 24	13 3	0 50
S 9	13 49	2n46	5 1	13 27	3 17	21 48	0 39	9 24	0 59	20 43	0 26	11 33	2 14	13 58	0 47	22 33	0 54	0 13	14 52	23 3	22 57	19 22	13 3	0 50
M10	13 30	7 35	4 46	13 52	3 0	21 43	0 36	9 9	0 58	20 43	0 26	11 35	2 13	13 58	0 47	22 33	0 54	0 14	14 51	23 2	22 56	19 20	13 3	0 50
T 11	13 10	12 8	4 16	14 16	2 42	21 36	0 33	8 54	0 58	20 44	0 25	11 36	2 13	13 59	0 47	22 32	0 54	0 14	14 51	23 1	22 56	19 18	13 3	0 50
W12	12 51	16 13	3 33	14 38	2 24	21 29	0 29	8 39	0 58	20 45	0 25	11 38	2 13	14 0	0 47	22 32	0 54	0 15	14 50	23 1	22 56	19 17	13 2	0 50
T 13	12 31	19 34	2 37	14 58	2 6	21 22	0 26	8 24	0 57	20 46	0 25	11 39	2 13	14 1	0 47	22 32	0 54	0 16	14 50	23 1	22 56	19 15	13 2	0 50
F 14	12 11	21 54	1 31	15 16	1 47	21 13	0 22	8 9	0 57	20 46	0 25	11 41	2 12	14 2	0 47	22 32	0 54	0 17	14 49	23 1	22 55	19 13	13 2	0 50
S 15	11 50	22 58	0 18	15 31	1 29	21 5	0 19	7 54	0 56	20 47	0 25	11 42	2 12	14 3	0 47	22 32	0 54	0 18	14 49	23 1	22 55	19 12	13 1	0 50
S 16	11 30	22 35	0s57	15 44	1 10	20 55	0 16	7 39	0 56	20 48	0 24	11 44	2 12	14 3	0 47	22 32	0 54	0 19	14 48	23 1	22 55	19 10	13 1	0 51
M17	11 9	20 41	2 10	15 54	0 52	20 45	0 12	7 24	0 56	20 49	0 24	11 45	2 12	14 4	0 47	22 32	0 54	0 19	14 48	23 1	22 54	19 8	13 1	0 51
T 18	10 48	17 23	3 16	16 1	0 35	20 35	0 9	7 8	0 55	20 50	0 24	11 47	2 12	14 5	0 47	22 32	0 54	0 20	14 47	23 0	22 54	19 6	13 0	0 51
W19	10 27	12 57	4 8	16 4	0 19	20 23	0 6	6 53	0 55	20 51	0 24	11 49	2 11	14 6	0 47	22 32	0 54	0 21	14 47	22 59	22 54	19 5	13 0	0 51
T 20	10 6	7 43	4 44	16 4	0 3	20 12	0 3	6 38	0 55	20 52	0 24	11 50	2 11	14 7	0 47	22 32	0 54	0 22	14 46	22 59	22 53	19 3	13 0	0 51
F 21	9 45	2 6	5 0	16 1	0n12	19 59	0n 1	6 22	0 54	20 53	0 23	11 52	2 11	14 7	0 47	22 32	0 54	0 23	14 46	22 58	22 53	19 1	12 59	0 51
S 22	9 24	3s31	4 57	15 54	0 26	19 46	0 4	6 7	0 54	20 54	0 23	11 53	2 11	14 8	0 47	22 32	0 54	0 24	14 45	22 57	22 53	19 0	12 59	0 51
S 23	9 2	8 48	4 35	15 44	0 39	19 33	0 7	5 51	0 53	20 55	0 23	11 55	2 10	14 9	0 47	22 32	0 54	0 25	14 45	22 56	22 53	18 58	12 58	0 52
M24	8 40	13 28	3 58	15 31	0 51	19 19	0 10	5 35	0 53	20 57	0 23	11 57	2 10	14 10	0 47	22 32	0 54	0 26	14 44	22 55	22 52	18 56	12 58	0 52
T 25	8 18	17 20	3 9	15 14	1 1	19 4	0 13	5 20	0 53	20 58	0 23	11 59	2 10	14 10	0 47	22 31	0 54	0 26	14 44	22 54	22 52	18 54	12 57	0 52
W26	7 56	20 15	2 12	14 54	1 11	18 49	0 16	5 4	0 52	20 59	0 23	12 0	2 10	14 11	0 47	22 31	0 54	0 27	14 43	22 54	22 52	18 53	12 57	0 52
T 27	7 34	22 6	1 11	14 31	1 20	18 33	0 19	4 48	0 52	21 0	0 22	12 2	2 10	14 12	0 47	22 31	0 54	0 28	14 43	22 54	22 51	18 51	12 56	0 52
F 28	7 12	22 53	0 7	14 5	1 27	18 17	0 22	4 33	0 51	21 1	0 22	12 4	2 9	14 13	0 47	22 31	0 54	0 29	14 42	22 54	22 51	18 49	12 55	0 52
S 29	6 49	22 35	0n56	13 37	1 33	18 0	0 25	4 17	0 51	21 3	0 22	12 6	2 9	14 13	0 47	22 31	0 54	0 30	14 42	22 54	22 51	18 47	12 55	0 52
S 30	6 27	21 17	1 56	13 6	1 39	17 43	0 28	4 1	0 51	21 4	0 22	12 7	2 9	14 14	0 47	22 31	0 54	0 31	14 41	22 54	22 50	18 46	12 54	0 53
M31	6n 4	19s 3	2n50	12n32	1n43	17n25	0n31	3n45	0n50	21s 5	0n22	12s 9	2n 9	14s15	0s47	22n31	0s54	0s32	14n41	22s53	22s50	18s44	12n54	0s53

Julian Day Number = 2177102.5, Delta T = 11m49s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'42, Lahiri = 13°22'42 Julian Calendar 1 Aug. 1248 == Greg. Calendar 8 Aug. 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

SEPTEMBER 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 10 5	15♍37'48	3♒ 5	3♍24	14♌24	23♍10	6♐22	7♏57	24°R 9	5♋28	8♏45	16°R48	16♐17	22♑16	6°R25	T 1
W 2	23 14 1	16°36'28	15° 4	5°12	15°36	23°49	6°29	8° 2	24♒ 7	5°29	8°47	16♐39	16°14	22°23	6♉23	W 2
T 3	23 17 58	17°35'10	27°13	7° 2	16°49	24°28	6°36	8° 7	24° 5	5°30	8°48	16°28	16°11	22°29	6°21	T 3
F 4	23 21 54	18°33'53	9♓34	8°51	18° 2	25° 7	6°43	8°13	24° 3	5°31	8°50	16°15	16° 8	22°36	6°20	F 4
S 5	23 25 51	19°32'38	22° 6	10°42	19°15	25°46	6°50	8°18	24° 1	5°32	8°52	16° 1	16° 5	22°43	6°18	S 5
S 6	23 29 48	20°31'26	4♈52	12°32	20°28	26°26	6°57	8°24	23°59	5°33	8°54	15°48	16° 1	22°49	6°16	S 6
M 7	23 33 44	21°30'15	17°48	14°23	21°41	27° 5	7° 4	8°29	23°57	5°34	8°55	15°37	15°58	22°56	6°14	M 7
T 8	23 37 41	22°29'07	0♉56	16°13	22°54	27°44	7°12	8°35	23°55	5°35	8°57	15°28	15°55	23° 3	6°12	T 8
W 9	23 41 37	23°28'01	14°15	18° 3	24° 7	28°24	7°20	8°40	23°53	5°35	8°59	15°23	15°52	23° 9	6°10	W 9
T 10	23 45 34	24°26'58	27°45	19°52	25°20	29° 3	7°28	8°46	23°51	5°36	9° 1	15°20	15°49	23°16	6° 8	T 10
F 11	23 49 30	25°25'56	11♊25	21°41	26°33	29°42	7°36	8°52	23°49	5°37	9° 3	15°D19	15°45	23°23	6° 6	F 11
S 12	23 53 27	26°24'58	25°17	23°30	27°46	0♎22	7°44	8°58	23°47	5°37	9° 5	15°R19	15°42	23°29	6° 4	S 12
S 13	23 57 23	27°24'01	9♋21	25°17	29° 0	1° 1	7°52	9° 3	23°45	5°38	9° 7	15°19	15°39	23°36	6° 2	S 13
M14	0 1 20	28°23'07	23°37	27° 4	0♍13	1°41	8° 0	9° 9	23°43	5°39	9° 9	15°17	15°36	23°43	6° 0	M14
T 15	0 5 17	29°22'15	8♌ 2	28°50	1°27	2°21	8° 9	9°15	23°41	5°39	9°10	15°12	15°33	23°49	5°57	T 15
W16	0 9 13	0♎21'26	22°33	0♎36	2°40	3° 0	8°17	9°21	23°40	5°40	9°12	15° 5	15°30	23°56	5°55	W16
T 17	0 13 10	1°20'38	7♍ 5	2°20	3°54	3°40	8°26	9°27	23°38	5°40	9°14	14°55	15°26	24° 3	5°53	T 17
F 18	0 17 6	2°19'53	21°31	4° 4	5° 7	4°20	8°35	9°34	23°36	5°41	9°16	14°44	15°23	24° 9	5°50	F 18
S 19	0 21 3	3°19'10	5♎44	5°47	6°21	4°59	8°44	9°40	23°35	5°41	9°19	14°33	15°20	24°16	5°48	S 19
S 20	0 24 59	4°18'29	19°38	7°30	7°35	5°39	8°53	9°46	23°33	5°42	9°21	14°23	15°17	24°23	5°45	S 20
M21	0 28 56	5°17'51	3♏10	9°11	8°49	6°19	9° 2	9°52	23°31	5°42	9°23	14°14	15°14	24°29	5°43	M21
T 22	0 32 52	6°17'14	16°19	10°52	10° 3	6°59	9°12	9°58	23°30	5°42	9°25	14° 8	15°11	24°36	5°40	T 22
W23	0 36 49	7°16'39	29° 4	12°32	11°17	7°39	9°21	10° 5	23°28	5°43	9°27	14° 5	15° 7	24°43	5°38	W23
T 24	0 40 45	8°16'06	11♐29	14°11	12°31	8°19	9°31	10°11	23°27	5°43	9°29	14°D 4	15° 4	24°49	5°35	T 24
F 25	0 44 42	9°15'34	23°37	15°50	13°45	8°59	9°40	10°17	23°25	5°43	9°31	14° 4	15° 1	24°56	5°33	F 25
S 26	0 48 39	10°15'05	5♑34	17°28	14°59	9°39	9°50	10°24	23°24	5°43	9°33	14°R 5	14°58	25° 3	5°30	S 26
S 27	0 52 35	11°14'37	17°24	19° 5	16°13	10°19	10° 0	10°30	23°22	5°43	9°36	14° 5	14°55	25° 9	5°27	S 27
M28	0 56 32	12°14'12	29°14	20°42	17°27	10°59	10°10	10°37	23°21	5°44	9°38	14° 3	14°51	25°16	5°24	M28
T 29	1 0 28	13°13'48	11♒ 8	22°17	18°41	11°39	10°20	10°44	23°20	5°44	9°40	13°59	14°48	25°23	5°22	T 29
W30	1 4 25	14♎13'25	23♒11	23♎53	19♍56	12♎19	10♐31	10♏50	23♒19	5♋44	9♏42	13♐53	14♐45	25♑29	5♉19	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n41	16s 1	3n38	11n57	1n46	17n 7	0n33	3n29	0n50	21s 6	0n22	12s11	2n 9	14s16	0s47	22n31	0s54	0s33	14n40	22s53	22s50	18s42	12n53	0s53
W 2	5 18	12 18	4 16	11 19	1 49	16 48	0 36	3 13	0 49	21 8	0 21	12 13	2 8	14 16	0 47	22 31	0 54	0 34	14 40	22 52	22 49	18 40	12 52	0 53
T 3	4 55	8 3	4 44	10 40	1 50	16 29	0 39	2 57	0 49	21 9	0 21	12 15	2 8	14 17	0 47	22 31	0 54	0 35	14 40	22 51	22 49	18 38	12 52	0 53
F 4	4 32	3 25	4 58	10 0	1 51	16 9	0 42	2 41	0 49	21 10	0 21	12 17	2 8	14 18	0 47	22 31	0 54	0 36	14 39	22 49	22 49	18 37	12 51	0 53
S 5	4 9	1n25	4 58	9 18	1 51	15 49	0 44	2 25	0 48	21 12	0 21	12 19	2 8	14 18	0 47	22 31	0 54	0 37	14 39	22 48	22 48	18 35	12 50	0 53
S 6	3 46	6 17	4 44	8 35	1 50	15 28	0 47	2 9	0 48	21 13	0 21	12 21	2 8	14 19	0 47	22 31	0 54	0 37	14 38	22 47	22 48	18 33	12 49	0 53
M 7	3 23	10 56	4 15	7 51	1 49	15 7	0 49	1 53	0 47	21 15	0 20	12 23	2 8	14 20	0 47	22 31	0 54	0 38	14 38	22 45	22 48	18 31	12 49	0 54
T 8	3 0	15 9	3 32	7 6	1 47	14 45	0 52	1 37	0 47	21 16	0 20	12 25	2 7	14 20	0 47	22 31	0 55	0 39	14 38	22 44	22 47	18 30	12 48	0 54
W 9	2 36	18 40	2 36	6 21	1 44	14 23	0 54	1 21	0 47	21 17	0 20	12 26	2 7	14 21	0 47	22 31	0 55	0 40	14 37	22 44	22 47	18 28	12 47	0 54
T 10	2 13	21 13	1 32	5 35	1 41	14 1	0 56	1 5	0 46	21 19	0 20	12 28	2 7	14 22	0 47	22 31	0 55	0 41	14 37	22 44	22 47	18 26	12 46	0 54
F 11	1 49	22 35	0 21	4 49	1 38	13 38	0 58	0 49	0 46	21 20	0 20	12 30	2 7	14 22	0 47	22 30	0 55	0 42	14 36	22 43	22 46	18 24	12 46	0 54
S 12	1 26	22 35	0s53	4 2	1 34	13 15	1 1	0 33	0 45	21 22	0 20	12 32	2 7	14 23	0 47	22 30	0 55	0 43	14 36	22 43	22 46	18 22	12 45	0 54
S 13	1 2	21 9	2 4	3 15	1 30	12 51	1 3	0 17	0 45	21 23	0 20	12 34	2 7	14 23	0 47	22 30	0 55	0 44	14 36	22 43	22 46	18 21	12 44	0 54
M14	0 39	18 22	3 8	2 28	1 25	12 27	1 5	0 0	0 44	21 25	0 19	12 36	2 6	14 24	0 47	22 30	0 55	0 45	14 35	22 43	22 45	18 19	12 43	0 54
T 15	0 15	14 27	4 1	1 42	1 20	12 3	1 7	0s16	0 44	21 26	0 19	12 39	2 6	14 25	0 47	22 30	0 55	0 46	14 35	22 43	22 45	18 17	12 42	0 55
W16	0s 9	9 39	4 39	0 55	1 15	11 38	1 9	0 32	0 43	21 28	0 19	12 41	2 6	14 25	0 47	22 30	0 55	0 47	14 34	22 42	22 45	18 15	12 41	0 55
T 17	0 32	4 19	4 59	0 8	1 10	11 13	1 11	0 48	0 43	21 29	0 19	12 43	2 6	14 26	0 47	22 30	0 55	0 48	14 34	22 41	22 44	18 13	12 40	0 55
F 18	0 56	1s12	5 0	0s39	1 4	10 48	1 12	1 4	0 43	21 31	0 19	12 45	2 6	14 26	0 47	22 30	0 55	0 49	14 34	22 40	22 44	18 11	12 39	0 55
S 19	1 20	6 35	4 42	1 25	0 58	10 22	1 14	1 21	0 42	21 32	0 19	12 47	2 6	14 27	0 47	22 30	0 55	0 50	14 33	22 38	22 44	18 10	12 39	0 55
S 20	1 43	11 31	4 7	2 11	0 52	9 56	1 16	1 37	0 42	21 34	0 18	12 49	2 5	14 27	0 46	22 30	0 55	0 51	14 33	22 37	22 43	18 8	12 38	0 55
M21	2 7	15 44	3 19	2 57	0 46	9 30	1 17	1 53	0 41	21 36	0 18	12 51	2 5	14 28	0 46	22 30	0 55	0 51	14 33	22 36	22 43	18 6	12 37	0 55
T 22	2 30	19 3	2 22	3 43	0 40	9 3	1 19	2 9	0 41	21 37	0 18	12 53	2 5	14 28	0 46	22 30	0 55	0 52	14 32	22 35	22 42	18 4	12 36	0 55
W23	2 54	21 19	1 19	4 28	0 33	8 36	1 20	2 26	0 40	21 39	0 18	12 55	2 5	14 29	0 46	22 30	0 55	0 53	14 32	22 35	22 42	18 2	12 35	0 56
T 24	3 18	22 29	0 14	5 12	0 27	8 9	1 22	2 42	0 40	21 40	0 18	12 57	2 5	14 29	0 46	22 30	0 55	0 54	14 32	22 35	22 42	18 0	12 34	0 56
F 25	3 41	22 32	0n51	5 57	0 20	7 42	1 23	2 58	0 39	21 42	0 18	12 59	2 5	14 30	0 46	22 30	0 55	0 55	14 31	22 35	22 41	17 59	12 33	0 56
S 26	4 5	21 33	1 52	6 41	0 13	7 14	1 24	3 14	0 39	21 44	0 18	13 2	2 5	14 30	0 46	22 30	0 55	0 56	14 31	22 35	22 41	17 57	12 32	0 56
S 27	4 28	19 37	2 48	7 24	0 7	6 46	1 25	3 30	0 39	21 45	0 17	13 4	2 5	14 31	0 46	22 30	0 55	0 57	14 31	22 35	22 41	17 55	12 31	0 56
M28	4 51	16 51	3 37	8 7	0s 0	6 18	1 27	3 47	0 38	21 47	0 17	13 6	2 4	14 31	0 46	22 30	0 55	0 58	14 31	22 35	22 40	17 53	12 30	0 56
T 29	5 15	13 23	4 17	8 49	0 7	5 50	1 28	4 3	0 38	21 48	0 17	13 8	2 4	14 31	0 46	22 30	0 55	0 59	14 30	22 34	22 40	17 51	12 29	0 56
W30	5s38	9s21	4n45	9s31	0s14	5n22	1n29	4s19	0n37	21s50	0n17	13s10	2n 4	14s32	0s46	22n30	0s55	1s 0	14n30	22s34	22s40	17s49	12n28	0s56

Julian Day Number = 2177133.5, Delta T = 11m48s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'46, Lahiri = 13°22'47 Julian Calendar 1 Sept. 1248 == Greg. Calendar 8 Sept. 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

OCTOBER 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 8 21	15♎13'05	5♓27	25♎27	21♍10	12♎59	10♐41	10♏57	23°R17	5°R44	9♏44	13°R44	14♐42	25♑36	5°R16	T 1
F 2	1 12 18	16°12'46	17°57	27° 1	22°24	13°39	10°51	11° 3	23♒16	5♋44	9°47	13♐35	14°39	25°43	5♉13	F 2
S 3	1 16 14	17°12'29	0♈44	28°35	23°39	14°19	11° 2	11°10	23°15	5°44	9°49	13°24	14°36	25°49	5°10	S 3
S 4	1 20 11	18°12'14	13°47	0♏ 7	24°53	15° 0	11°13	11°17	23°14	5°44	9°51	13°14	14°32	25°56	5° 8	S 4
M 5	1 24 8	19°12'02	27° 6	1°40	26° 8	15°40	11°23	11°24	23°13	5°43	9°53	13° 5	14°29	26° 3	5° 5	M 5
T 6	1 28 4	20°11'51	10♉38	3°11	27°22	16°20	11°34	11°30	23°12	5°43	9°56	12°59	14°26	26°10	5° 2	T 6
W 7	1 32 1	21°11'42	24°20	4°43	28°37	17° 1	11°45	11°37	23°11	5°43	9°58	12°55	14°23	26°16	4°59	W 7
T 8	1 35 57	22°11'36	8♊12	6°13	29°51	17°41	11°56	11°44	23°10	5°43	10° 0	12°D54	14°20	26°23	4°56	T 8
F 9	1 39 54	23°11'32	22° 9	7°43	1♎ 6	18°22	12° 7	11°51	23° 9	5°43	10° 3	12°54	14°16	26°30	4°53	F 9
S 10	1 43 50	24°11'30	6♋12	9°13	2°21	19° 2	12°18	11°58	23° 9	5°42	10° 5	12°55	14°13	26°36	4°50	S 10
S 11	1 47 47	25°11'30	20°18	10°42	3°35	19°43	12°29	12° 5	23° 8	5°42	10° 7	12°R56	14°10	26°43	4°47	S 11
M12	1 51 43	26°11'33	4♌27	12°10	4°50	20°24	12°41	12°11	23° 7	5°42	10°10	12°56	14° 7	26°50	4°44	M12
T 13	1 55 40	27°11'37	18°36	13°38	6° 5	21° 4	12°52	12°18	23° 6	5°41	10°12	12°54	14° 4	26°56	4°41	T 13
W14	1 59 37	28°11'44	2♍45	15° 5	7°20	21°45	13° 4	12°25	23° 6	5°41	10°15	12°50	14° 1	27° 3	4°38	W14
T 15	2 3 33	29°11'53	16°49	16°32	8°35	22°26	13°15	12°32	23° 5	5°41	10°17	12°44	13°57	27°10	4°35	T 15
F 16	2 7 30	0♏12'04	0♎47	17°58	9°50	23° 6	13°27	12°39	23° 5	5°40	10°19	12°37	13°54	27°16	4°32	F 16
S 17	2 11 26	1°12'17	14°33	19°24	11° 4	23°47	13°39	12°46	23° 4	5°40	10°22	12°30	13°51	27°23	4°29	S 17
S 18	2 15 23	2°12'32	28° 5	20°48	12°19	24°28	13°51	12°53	23° 4	5°39	10°24	12°23	13°48	27°30	4°25	S 18
M19	2 19 19	3°12'48	11♏20	22°12	13°34	25° 9	14° 3	13° 0	23° 4	5°38	10°26	12°18	13°45	27°36	4°22	M19
T 20	2 23 16	4°13'07	24°17	23°35	14°49	25°50	14°15	13° 7	23° 3	5°38	10°29	12°14	13°42	27°43	4°19	T 20
W21	2 27 12	5°13'27	6♐56	24°58	16° 4	26°31	14°27	13°14	23° 3	5°37	10°31	12°D13	13°38	27°50	4°16	W21
T 22	2 31 9	6°13'49	19°17	26°19	17°20	27°12	14°39	13°22	23° 3	5°37	10°34	12°13	13°35	27°56	4°13	T 22
F 23	2 35 6	7°14'13	1♑25	27°39	18°35	27°53	14°51	13°29	23° 3	5°36	10°36	12°14	13°32	28° 3	4°10	F 23
S 24	2 39 2	8°14'38	13°22	28°58	19°50	28°34	15° 3	13°36	23° 2	5°35	10°39	12°16	13°29	28°10	4° 7	S 24
S 25	2 42 59	9°15'04	25°13	0♐16	21° 5	29°15	15°16	13°43	23° 2	5°34	10°41	12°17	13°26	28°16	4° 4	S 25
M26	2 46 55	10°15'32	7♒ 3	1°32	22°20	29°56	15°28	13°50	23°D 2	5°34	10°43	12°R18	13°22	28°23	4° 1	M26
T 27	2 50 52	11°16'01	18°57	2°47	23°35	0♏38	15°40	13°57	23° 2	5°33	10°46	12°18	13°19	28°30	3°58	T 27
W28	2 54 48	12°16'31	1♓ 0	3°59	24°50	1°19	15°53	14° 4	23° 3	5°32	10°48	12°16	13°16	28°37	3°55	W28
T 29	2 58 45	13°17'03	13°17	5°10	26° 6	2° 0	16° 6	14°11	23° 3	5°31	10°51	12°13	13°13	28°43	3°52	T 29
F 30	3 2 41	14°17'36	25°50	6°18	27°21	2°41	16°18	14°18	23° 3	5°30	10°53	12° 9	13°10	28°50	3°49	F 30
S 31	3 6 38	15♏18'10	8♈44	7♐24	28♎36	3♏23	16♐31	14♏25	23♒ 3	5♋29	10♏56	12♐ 5	13♐ 7	28♑57	3♉46	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6 s 1	4 s52	5n 2	10 s12	0 s21	4n53	1n29	4 s35	0n37	21 s52	0n17	13 s12	2n 4	14 s32	0 s46	22n30	0 s55	1 s 1	14n30	22 s33	22 s39	17 s47	12n27	0 s56
F 2	6 24	0 7	5 4	10 53	0 27	4 24	1 30	4 51	0 36	21 53	0 17	13 14	2 4	14 33	0 46	22 30	0 55	1 2	14 30	22 31	22 39	17 46	12 26	0 57
S 3	6 47	4n44	4 51	11 33	0 34	3 55	1 31	5 7	0 36	21 55	0 17	13 17	2 4	14 33	0 46	22 30	0 55	1 3	14 29	22 30	22 39	17 44	12 25	0 57
S 4	7 10	9 30	4 23	12 12	0 41	3 26	1 32	5 23	0 35	21 56	0 16	13 19	2 4	14 33	0 46	22 30	0 55	1 3	14 29	22 29	22 38	17 42	12 23	0 57
M 5	7 33	13 54	3 40	12 51	0 48	2 57	1 32	5 39	0 35	21 58	0 16	13 21	2 4	14 34	0 46	22 30	0 55	1 4	14 29	22 28	22 38	17 40	12 22	0 57
T 6	7 55	17 40	2 44	13 29	0 54	2 28	1 33	5 55	0 34	22 0	0 16	13 23	2 4	14 34	0 46	22 30	0 55	1 5	14 29	22 27	22 37	17 38	12 21	0 57
W 7	8 18	20 31	1 38	14 6	1 1	1 59	1 33	6 11	0 34	22 1	0 16	13 25	2 3	14 34	0 46	22 30	0 55	1 6	14 28	22 26	22 37	17 36	12 20	0 57
T 8	8 41	22 11	0 25	14 42	1 7	1 29	1 33	6 27	0 33	22 3	0 16	13 28	2 3	14 34	0 46	22 30	0 55	1 7	14 28	22 26	22 37	17 34	12 19	0 57
F 9	9 3	22 28	0 s50	15 18	1 14	1 0	1 34	6 43	0 33	22 5	0 16	13 30	2 3	14 35	0 46	22 30	0 55	1 8	14 28	22 26	22 36	17 32	12 18	0 57
S 10	9 25	21 21	2 2	15 53	1 20	0 30	1 34	6 59	0 32	22 6	0 16	13 32	2 3	14 35	0 46	22 30	0 55	1 9	14 28	22 26	22 36	17 31	12 17	0 57
S 11	9 47	18 54	3 8	16 27	1 26	0 0	1 34	7 15	0 32	22 8	0 15	13 34	2 3	14 35	0 46	22 30	0 55	1 10	14 28	22 26	22 36	17 29	12 16	0 58
M12	10 9	15 18	4 2	17 1	1 32	0 s29	1 34	7 31	0 31	22 9	0 15	13 36	2 3	14 35	0 46	22 30	0 55	1 10	14 27	22 26	22 35	17 27	12 15	0 58
T 13	10 31	10 51	4 42	17 33	1 38	0 59	1 34	7 47	0 31	22 11	0 15	13 38	2 3	14 35	0 46	22 30	0 55	1 11	14 27	22 26	22 35	17 25	12 14	0 58
W14	10 53	5 48	5 4	18 5	1 44	1 29	1 34	8 3	0 30	22 13	0 15	13 41	2 3	14 36	0 46	22 30	0 55	1 12	14 27	22 26	22 34	17 23	12 13	0 58
T 15	11 14	0 30	5 8	18 36	1 49	1 59	1 34	8 18	0 30	22 14	0 15	13 43	2 3	14 36	0 46	22 30	0 55	1 13	14 27	22 25	22 34	17 21	12 11	0 58
F 16	11 35	4 s48	4 54	19 5	1 55	2 28	1 34	8 34	0 29	22 16	0 15	13 45	2 3	14 36	0 46	22 30	0 55	1 14	14 27	22 24	22 34	17 19	12 10	0 58
S 17	11 56	9 47	4 22	19 34	2 0	2 58	1 33	8 49	0 29	22 17	0 15	13 47	2 3	14 36	0 46	22 30	0 55	1 15	14 27	22 23	22 33	17 17	12 9	0 58
S 18	12 17	14 12	3 37	20 2	2 5	3 28	1 33	9 5	0 28	22 19	0 15	13 49	2 3	14 36	0 46	22 30	0 55	1 16	14 27	22 22	22 33	17 15	12 8	0 58
M19	12 38	17 50	2 40	20 29	2 9	3 57	1 33	9 21	0 28	22 20	0 14	13 52	2 3	14 36	0 46	22 30	0 55	1 16	14 26	22 22	22 33	17 13	12 7	0 58
T 20	12 59	20 28	1 36	20 54	2 14	4 27	1 32	9 36	0 27	22 22	0 14	13 54	2 2	14 36	0 46	22 30	0 55	1 17	14 26	22 21	22 32	17 11	12 6	0 58
W21	13 19	22 2	0 29	21 19	2 18	4 56	1 32	9 51	0 27	22 23	0 14	13 56	2 2	14 36	0 46	22 30	0 55	1 18	14 26	22 21	22 32	17 10	12 5	0 58
T 22	13 39	22 28	0n39	21 42	2 22	5 26	1 31	10 7	0 26	22 25	0 14	13 58	2 2	14 36	0 45	22 30	0 55	1 19	14 26	22 21	22 31	17 8	12 4	0 59
F 23	13 59	21 49	1 43	22 4	2 25	5 55	1 30	10 22	0 26	22 26	0 14	14 0	2 2	14 36	0 45	22 30	0 55	1 20	14 26	22 21	22 31	17 6	12 2	0 59
S 24	14 19	20 10	2 42	22 25	2 28	6 24	1 29	10 37	0 25	22 28	0 14	14 2	2 2	14 36	0 45	22 30	0 55	1 20	14 26	22 21	22 31	17 4	12 1	0 59
S 25	14 38	17 41	3 34	22 45	2 31	6 53	1 29	10 52	0 24	22 29	0 14	14 5	2 2	14 36	0 45	22 30	0 55	1 21	14 26	22 22	22 30	17 2	12 0	0 59
M26	14 57	14 27	4 16	23 3	2 33	7 22	1 28	11 7	0 24	22 31	0 14	14 7	2 2	14 36	0 45	22 30	0 55	1 22	14 26	22 22	22 30	17 0	11 59	0 59
T 27	15 16	10 38	4 48	23 20	2 35	7 51	1 27	11 22	0 23	22 32	0 13	14 9	2 2	14 36	0 45	22 30	0 55	1 23	14 26	22 22	22 29	16 58	11 58	0 59
W28	15 35	6 22	5 7	23 35	2 36	8 20	1 26	11 37	0 23	22 34	0 13	14 11	2 2	14 36	0 45	22 30	0 56	1 23	14 26	22 21	22 29	16 56	11 57	0 59
T 29	15 53	1 47	5 13	23 49	2 37	8 48	1 25	11 52	0 22	22 35	0 13	14 13	2 2	14 36	0 45	22 30	0 56	1 24	14 26	22 21	22 29	16 54	11 56	0 59
F 30	16 12	3n 0	5 5	24 2	2 37	9 16	1 23	12 7	0 22	22 37	0 13	14 15	2 2	14 36	0 45	22 30	0 56	1 25	14 26	22 20	22 28	16 52	11 55	0 59
S 31	16 s29	7n46	4n40	24 s12	2 s37	9 s44	1n22	12 s22	0n21	22 s38	0n13	14 s17	2n 2	14 s36	0 s45	22n30	0 s56	1 s26	14n26	22 s20	22 s28	16 s50	11n54	0 s59

Julian Day Number = 2177163.5, Delta T = 11m48s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'50, Lahiri = 13°22'51 Julian Calendar 1 Oct. 1248 == Greg. Calendar 8 Oct. 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

NOVEMBER 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 10 34	16♏18'46	21♈59	8♐26	29♎51	4♏ 4	16♐44	14♏33	23♒ 3	5°R28	10♏58	12°R 1	13♐ 3	29♑ 3	3°R43	S 1
M 2	3 14 31	17°19'23	5♉35	9°25	1♏ 6	4°46	16°56	14°40	23° 4	5♋27	11° 0	11♐57	13° 0	29°10	3♉40	M 2
T 3	3 18 28	18°20'01	19°29	10°21	2°22	5°27	17° 9	14°47	23° 4	5°26	11° 3	11°54	12°57	29°17	3°37	T 3
W 4	3 22 24	19°20'42	3♊38	11°11	3°37	6° 9	17°22	14°54	23° 5	5°25	11° 5	11°53	12°54	29°23	3°34	W 4
T 5	3 26 21	20°21'23	17°58	11°57	4°52	6°50	17°35	15° 1	23° 5	5°24	11° 8	11°D53	12°51	29°30	3°31	T 5
F 6	3 30 17	21°22'06	2♋23	12°37	6° 8	7°32	17°48	15° 8	23° 6	5°23	11°10	11°54	12°48	29°37	3°28	F 6
S 7	3 34 14	22°22'51	16°49	13°11	7°23	8°14	18° 1	15°15	23° 6	5°22	11°12	11°55	12°44	29°43	3°25	S 7
S 8	3 38 10	23°23'37	1♌11	13°38	8°38	8°55	18°14	15°22	23° 7	5°21	11°15	11°57	12°41	29°50	3°22	S 8
M 9	3 42 7	24°24'25	15°27	13°56	9°54	9°37	18°27	15°29	23° 8	5°19	11°17	11°57	12°38	29°57	3°20	M 9
T 10	3 46 4	25°25'14	29°33	14° 6	11° 9	10°19	18°41	15°36	23° 8	5°18	11°19	11°R58	12°35	0♒ 3	3°17	T 10
W11	3 50 0	26°26'05	13♍29	14°R 7	12°25	11° 1	18°54	15°43	23° 9	5°17	11°22	11°57	12°32	0°10	3°14	W11
T 12	3 53 57	27°26'57	27°14	13°57	13°40	11°42	19° 7	15°50	23°10	5°16	11°24	11°56	12°28	0°17	3°11	T 12
F 13	3 57 53	28°27'51	10♎46	13°37	14°55	12°24	19°20	15°57	23°11	5°14	11°27	11°54	12°25	0°24	3° 8	F 13
S 14	4 1 50	29°28'46	24° 5	13° 5	16°11	13° 6	19°34	16° 4	23°12	5°13	11°29	11°52	12°22	0°30	3° 6	S 14
S 15	4 5 46	0♐29'43	7♏11	12°22	17°26	13°48	19°47	16°11	23°13	5°12	11°31	11°50	12°19	0°37	3° 3	S 15
M16	4 9 43	1°30'40	20° 3	11°29	18°42	14°30	20° 1	16°18	23°14	5°11	11°34	11°49	12°16	0°44	3° 1	M16
T 17	4 13 39	2°31'39	2♐41	10°25	19°57	15°12	20°14	16°25	23°15	5° 9	11°36	11°49	12°13	0°50	2°58	T 17
W18	4 17 36	3°32'39	15° 7	9°14	21°13	15°55	20°28	16°32	23°16	5° 8	11°38	11°D48	12° 9	0°57	2°55	W18
T 19	4 21 33	4°33'40	27°20	7°56	22°28	16°37	20°41	16°39	23°18	5° 6	11°40	11°49	12° 6	1° 4	2°53	T 19
F 20	4 25 29	5°34'41	9♑24	6°34	23°44	17°19	20°55	16°46	23°19	5° 5	11°43	11°49	12° 3	1°10	2°50	F 20
S 21	4 29 26	6°35'44	21°19	5°11	24°59	18° 1	21° 8	16°53	23°20	5° 4	11°45	11°50	12° 0	1°17	2°48	S 21
S 22	4 33 22	7°36'47	3♒10	3°50	26°15	18°44	21°22	17° 0	23°22	5° 2	11°47	11°51	11°57	1°24	2°46	S 22
M23	4 37 19	8°37'50	14°59	2°33	27°30	19°26	21°35	17° 7	23°23	5° 1	11°49	11°51	11°54	1°30	2°43	M23
T 24	4 41 15	9°38'54	26°52	1°23	28°46	20° 8	21°49	17°13	23°24	4°59	11°52	11°51	11°50	1°37	2°41	T 24
W25	4 45 12	10°39'59	8♓53	0°21	0♐ 1	20°51	22° 3	17°20	23°26	4°58	11°54	11°R51	11°47	1°44	2°39	W25
T 26	4 49 8	11°41'04	21° 6	29♏29	1°17	21°33	22°16	17°27	23°27	4°56	11°56	11°D51	11°44	1°50	2°36	T 26
F 27	4 53 5	12°42'09	3♈36	28°48	2°32	22°16	22°30	17°33	23°29	4°55	11°58	11°51	11°41	1°57	2°34	F 27
S 28	4 57 2	13°43'15	16°28	28°19	3°48	22°58	22°44	17°40	23°31	4°53	12° 0	11°51	11°38	2° 4	2°32	S 28
S 29	5 0 58	14°44'21	29°43	28° 0	5° 3	23°41	22°58	17°47	23°32	4°51	12° 2	11°52	11°34	2°11	2°30	S 29
M30	5 4 55	15♐45'28	13♉24	27°D52	6♐19	24♏23	23♐11	17♏53	23♒34	4♋50	12♏ 5	11♐52	11♐31	2♒17	2♉28	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s47	12n19	4n 1	24s21	2s35	10s12	1n21	12s36	0n21	22s39	0n13	14s19	2n 2	14s36	0s45	22n30	0s56	1s26	14n26	22s19	22s27	16s48	11n52	0s59
M 2	17 4	16 22	3 7	24 29	2 33	10 40	1 20	12 51	0 20	22 41	0 13	14 22	2 2	14 36	0 45	22 30	0 56	1 27	14 26	22 19	22 27	16 46	11 51	0 59
T 3	17 21	19 36	2 0	24 34	2 30	11 7	1 18	13 5	0 20	22 42	0 13	14 24	2 2	14 35	0 45	22 30	0 56	1 28	14 26	22 18	22 27	16 44	11 50	1 0
W 4	17 38	21 42	0 45	24 38	2 27	11 34	1 17	13 19	0 19	22 43	0 13	14 26	2 2	14 35	0 45	22 30	0 56	1 28	14 26	22 18	22 26	16 42	11 49	1 0
T 5	17 54	22 26	0s34	24 39	2 22	12 1	1 15	13 34	0 18	22 45	0 12	14 28	2 2	14 35	0 45	22 30	0 56	1 29	14 26	22 18	22 26	16 40	11 48	1 0
F 6	18 11	21 40	1 51	24 39	2 16	12 27	1 14	13 48	0 18	22 46	0 12	14 30	2 2	14 35	0 45	22 30	0 56	1 30	14 26	22 18	22 25	16 38	11 47	1 0
S 7	18 26	19 29	3 1	24 36	2 9	12 54	1 12	14 2	0 17	22 47	0 12	14 32	2 2	14 35	0 45	22 30	0 56	1 30	14 26	22 19	22 25	16 36	11 46	1 0
S 8	18 42	16 5	4 0	24 31	2 0	13 19	1 11	14 16	0 17	22 49	0 12	14 34	2 2	14 34	0 45	22 30	0 56	1 31	14 26	22 19	22 25	16 34	11 45	1 0
M 9	18 57	11 46	4 43	24 24	1 51	13 45	1 9	14 30	0 16	22 50	0 12	14 36	2 2	14 34	0 45	22 30	0 56	1 32	14 26	22 19	22 24	16 32	11 44	1 0
T 10	19 12	6 51	5 9	24 14	1 40	14 10	1 7	14 44	0 16	22 51	0 12	14 38	2 2	14 34	0 45	22 30	0 56	1 32	14 26	22 19	22 24	16 31	11 43	1 0
W11	19 26	1 39	5 16	24 2	1 27	14 35	1 5	14 57	0 15	22 52	0 12	14 40	2 2	14 34	0 45	22 30	0 56	1 33	14 26	22 19	22 23	16 29	11 42	1 0
T 12	19 40	3s33	5 5	23 46	1 13	15 0	1 4	15 11	0 14	22 54	0 12	14 42	2 2	14 33	0 45	22 30	0 56	1 34	14 26	22 19	22 23	16 27	11 41	1 0
F 13	19 54	8 31	4 37	23 29	0 57	15 24	1 2	15 24	0 14	22 55	0 12	14 44	2 2	14 33	0 45	22 30	0 56	1 34	14 26	22 18	22 23	16 25	11 40	1 0
S 14	20 7	13 0	3 55	23 8	0 40	15 47	1 0	15 38	0 13	22 56	0 11	14 46	2 2	14 33	0 45	22 30	0 56	1 35	14 26	22 18	22 22	16 23	11 39	1 0
S 15	20 20	16 48	3 0	22 44	0 22	16 11	0 58	15 51	0 13	22 57	0 11	14 48	2 2	14 32	0 45	22 30	0 56	1 35	14 26	22 18	22 22	16 21	11 38	1 0
M16	20 33	19 43	1 58	22 18	0 3	16 34	0 56	16 4	0 12	22 58	0 11	14 50	2 2	14 32	0 45	22 30	0 56	1 36	14 26	22 18	22 21	16 19	11 37	1 0
T 17	20 45	21 36	0 50	21 49	0n17	16 56	0 54	16 17	0 11	22 59	0 11	14 52	2 2	14 31	0 45	22 30	0 56	1 37	14 27	22 18	22 21	16 17	11 36	1 0
W18	20 57	22 24	0n18	21 18	0 38	17 18	0 52	16 30	0 11	23 0	0 11	14 54	2 2	14 31	0 45	22 30	0 56	1 37	14 27	22 18	22 20	16 15	11 35	1 1
T 19	21 8	22 5	1 25	20 46	0 58	17 40	0 50	16 42	0 10	23 2	0 11	14 56	2 2	14 31	0 44	22 30	0 56	1 38	14 27	22 18	22 20	16 13	11 34	1 1
F 20	21 19	20 45	2 27	20 13	1 18	18 1	0 48	16 55	0 10	23 3	0 11	14 58	2 2	14 30	0 44	22 31	0 56	1 38	14 27	22 18	22 20	16 11	11 33	1 1
S 21	21 30	18 31	3 22	19 40	1 36	18 21	0 45	17 7	0 9	23 4	0 11	15 0	2 2	14 30	0 44	22 31	0 56	1 39	14 27	22 18	22 19	16 9	11 33	1 1
S 22	21 40	15 30	4 8	19 9	1 53	18 41	0 43	17 20	0 8	23 5	0 11	15 2	2 2	14 29	0 44	22 31	0 56	1 39	14 27	22 18	22 19	16 7	11 32	1 1
M23	21 50	11 53	4 44	18 39	2 9	19 1	0 41	17 32	0 8	23 6	0 11	15 4	2 2	14 29	0 44	22 31	0 56	1 40	14 27	22 18	22 18	16 5	11 31	1 1
T 24	21 59	7 48	5 7	18 12	2 22	19 20	0 39	17 44	0 7	23 7	0 10	15 5	2 2	14 28	0 44	22 31	0 56	1 40	14 28	22 18	22 18	16 3	11 30	1 1
W25	22 8	3 22	5 17	17 49	2 32	19 38	0 37	17 56	0 7	23 7	0 10	15 7	2 2	14 28	0 44	22 31	0 56	1 41	14 28	22 18	22 17	16 1	11 29	1 1
T 26	22 17	1n16	5 14	17 30	2 41	19 56	0 34	18 8	0 6	23 8	0 10	15 9	2 2	14 27	0 44	22 31	0 56	1 41	14 28	22 18	22 17	15 59	11 28	1 1
F 27	22 25	5 57	4 55	17 15	2 47	20 14	0 32	18 19	0 5	23 9	0 10	15 11	2 2	14 26	0 44	22 31	0 56	1 41	14 28	22 18	22 17	15 57	11 28	1 1
S 28	22 32	10 31	4 22	17 5	2 51	20 31	0 30	18 31	0 5	23 10	0 10	15 13	2 2	14 26	0 44	22 31	0 56	1 42	14 28	22 18	22 16	15 55	11 27	1 1
S 29	22 40	14 45	3 33	16 59	2 53	20 47	0 27	18 42	0 4	23 11	0 10	15 15	2 2	14 25	0 44	22 31	0 56	1 42	14 28	22 18	22 16	15 52	11 26	1 1
M30	22s46	18n20	2n32	16s56	2n54	21s 2	0n25	18s53	0n 4	23s12	0n10	15s16	2n 2	14s25	0s44	22n31	0s56	1s43	14n29	22s18	22s15	15s50	11n25	1s 1

Julian Day Number = 2177194.5, Delta T = 11m48s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'55, Lahiri = 13°22'55 Julian Calendar 1 Nov. 1248 == Greg. Calendar 8 Nov. 1248

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ASTRODIENST EPHEMERIS for the year 1248
geocentric

DECEMBER 1248 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 8 51	16♐46'35	27♉29	27♏54	7♐34	25♏ 6	23♐25	18♏ 0	23♒36	4°R48	12♏ 7	11♐52	11♐28	2♒24	2°R26	T 1
W 2	5 12 48	17°47'42	11♊57	28° 5	8°50	25°49	23°39	18° 6	23°38	4♋47	12° 9	11°R52	11°25	2°31	2♉24	W 2
T 3	5 16 44	18°48'50	26°41	28°25	10° 5	26°31	23°53	18°13	23°40	4°45	12°11	11°52	11°22	2°37	2°22	T 3
F 4	5 20 41	19°49'58	11♋34	28°52	11°21	27°14	24° 7	18°19	23°41	4°43	12°13	11°52	11°19	2°44	2°20	F 4
S 5	5 24 37	20°51'07	26°29	29°27	12°36	27°57	24°20	18°26	23°43	4°42	12°15	11°51	11°15	2°51	2°19	S 5
S 6	5 28 34	21°52'17	11♌17	0♐ 7	13°52	28°40	24°34	18°32	23°45	4°40	12°17	11°50	11°12	2°57	2°17	S 6
M 7	5 32 31	22°53'26	25°52	0°54	15° 7	29°23	24°48	18°38	23°47	4°38	12°19	11°48	11° 9	3° 4	2°15	M 7
T 8	5 36 27	23°54'37	10♍ 9	1°45	16°23	0♐ 6	25° 2	18°45	23°50	4°37	12°21	11°48	11° 6	3°11	2°13	T 8
W 9	5 40 24	24°55'48	24° 7	2°40	17°38	0°49	25°16	18°51	23°52	4°35	12°23	11°D47	11° 3	3°18	2°12	W 9
T 10	5 44 20	25°56'59	7♎44	3°40	18°54	1°32	25°30	18°57	23°54	4°33	12°25	11°47	10°59	3°24	2°10	T 10
F 11	5 48 17	26°58'11	21° 2	4°43	20° 9	2°15	25°44	19° 3	23°56	4°32	12°26	11°48	10°56	3°31	2° 9	F 11
S 12	5 52 13	27°59'23	4♏ 1	5°48	21°25	2°58	25°57	19° 9	23°58	4°30	12°28	11°50	10°53	3°38	2° 8	S 12
S 13	5 56 10	29° 0'36	16°46	6°57	22°40	3°41	26°11	19°15	24° 1	4°28	12°30	11°51	10°50	3°44	2° 6	S 13
M14	6 0 6	0♑ 1'49	29°17	8° 8	23°56	4°24	26°25	19°21	24° 3	4°27	12°32	11°52	10°47	3°51	2° 5	M14
T 15	6 4 3	1° 3'02	11♐37	9°21	25°11	5° 7	26°39	19°27	24° 5	4°25	12°34	11°R53	10°44	3°58	2° 4	T 15
W16	6 8 0	2° 4'15	23°48	10°36	26°27	5°51	26°53	19°33	24° 8	4°23	12°36	11°52	10°40	4° 4	2° 2	W16
T 17	6 11 56	3° 5'28	5♑51	11°52	27°42	6°34	27° 7	19°39	24°10	4°22	12°37	11°51	10°37	4°11	2° 1	T 17
F 18	6 15 53	4° 6'41	17°48	13°10	28°58	7°17	27°20	19°45	24°13	4°20	12°39	11°48	10°34	4°18	2° 0	F 18
S 19	6 19 49	5° 7'53	29°40	14°29	0♑13	8° 1	27°34	19°50	24°15	4°18	12°41	11°44	10°31	4°24	1°59	S 19
S 20	6 23 46	6° 9'06	11♒30	15°50	1°29	8°44	27°48	19°56	24°18	4°17	12°42	11°40	10°28	4°31	1°58	S 20
M21	6 27 42	7°10'18	23°21	17°12	2°44	9°28	28° 2	20° 2	24°20	4°15	12°44	11°35	10°25	4°38	1°58	M21
T 22	6 31 39	8°11'29	5♓14	18°34	4° 0	10°11	28°16	20° 7	24°23	4°13	12°46	11°31	10°21	4°45	1°57	T 22
W23	6 35 35	9°12'40	17°13	19°58	5°15	10°55	28°29	20°13	24°25	4°11	12°47	11°28	10°18	4°51	1°56	W23
T 24	6 39 32	10°13'50	29°23	21°23	6°31	11°38	28°43	20°18	24°28	4°10	12°49	11°26	10°15	4°58	1°55	T 24
F 25	6 43 29	11°15'00	11♈48	22°48	7°46	12°22	28°57	20°23	24°31	4° 8	12°50	11°D25	10°12	5° 5	1°55	F 25
S 26	6 47 25	12°16'09	24°32	24°14	9° 2	13° 5	29°11	20°29	24°34	4° 6	12°52	11°26	10° 9	5°11	1°54	S 26
S 27	6 51 22	13°17'17	7♉39	25°41	10°17	13°49	29°24	20°34	24°36	4° 5	12°53	11°27	10° 5	5°18	1°54	S 27
M28	6 55 18	14°18'24	21°12	27° 8	11°33	14°33	29°38	20°39	24°39	4° 3	12°55	11°29	10° 2	5°25	1°53	M28
T 29	6 59 15	15°19'31	5♊14	28°37	12°48	15°17	29°52	20°44	24°42	4° 1	12°56	11°R30	9°59	5°31	1°53	T 29
W30	7 3 11	16°20'37	19°43	0♑ 5	14° 3	16° 0	0♑ 5	20°49	24°45	4° 0	12°57	11°30	9°56	5°38	1°53	W30
T 31	7 7 8	17♑21'42	4♋36	1♑35	15♑19	16♐44	0♑19	20♏54	24♒48	3♋58	12♏59	11♐28	9♐53	5♒45	1♉52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s53	20n58	1n19	16s58	2n53	21s17	0n23	19s 4	0n 3	23s13	0n10	15s18	2n 2	14s24	0s44	22n31	0s56	1s43	14n29	22s18	22s15	15s48	11n25	1s 1
W 2	22 58	22 18	0s 0	17 3	2 50	21 32	0 20	19 15	0 2	23 13	0 10	15 20	2 2	14 23	0 44	22 31	0 56	1 44	14 29	22 18	22 14	15 46	11 24	1 1
T 3	23 4	22 8	1 21	17 10	2 47	21 45	0 18	19 26	0 2	23 14	0 10	15 22	2 3	14 23	0 44	22 31	0 56	1 44	14 29	22 18	22 14	15 44	11 23	1 1
F 4	23 9	20 25	2 38	17 21	2 42	21 59	0 15	19 36	0 1	23 15	0 9	15 23	2 3	14 22	0 44	22 31	0 56	1 44	14 30	22 18	22 14	15 42	11 23	1 1
S 5	23 13	17 18	3 43	17 34	2 37	22 11	0 13	19 47	0 0	23 16	0 9	15 25	2 3	14 21	0 44	22 31	0 56	1 45	14 30	22 18	22 13	15 40	11 22	1 1
S 6	23 17	13 5	4 33	17 48	2 31	22 23	0 11	19 57	0s 0	23 16	0 9	15 27	2 3	14 21	0 44	22 31	0 56	1 45	14 30	22 18	22 13	15 38	11 21	1 1
M 7	23 21	8 10	5 5	18 4	2 24	22 34	0 8	20 7	0 1	23 17	0 9	15 28	2 3	14 20	0 44	22 31	0 56	1 45	14 30	22 18	22 12	15 36	11 21	1 1
T 8	23 24	2 54	5 17	18 21	2 17	22 44	0 6	20 17	0 2	23 18	0 9	15 30	2 3	14 19	0 44	22 32	0 56	1 46	14 31	22 18	22 12	15 34	11 20	1 1
W 9	23 26	2s23	5 10	18 39	2 10	22 54	0 3	20 26	0 2	23 18	0 9	15 32	2 3	14 19	0 44	22 32	0 56	1 46	14 31	22 17	22 11	15 32	11 19	1 1
T 10	23 28	7 26	4 45	18 58	2 2	23 3	0 1	20 36	0 3	23 19	0 9	15 33	2 3	14 18	0 44	22 32	0 56	1 46	14 31	22 18	22 11	15 30	11 19	1 2
F 11	23 30	12 2	4 6	19 18	1 54	23 12	0s 2	20 45	0 4	23 19	0 9	15 35	2 3	14 17	0 44	22 32	0 56	1 46	14 31	22 18	22 10	15 28	11 18	1 2
S 12	23 31	15 57	3 14	19 37	1 46	23 19	0 4	20 54	0 4	23 20	0 9	15 36	2 3	14 16	0 44	22 32	0 56	1 47	14 32	22 18	22 10	15 26	11 18	1 2
S 13	23 32	19 4	2 15	19 57	1 38	23 26	0 6	21 3	0 5	23 20	0 9	15 38	2 3	14 16	0 44	22 32	0 56	1 47	14 32	22 18	22 10	15 24	11 17	1 2
M14	23 32	21 12	1 9	20 17	1 29	23 32	0 9	21 12	0 6	23 21	0 8	15 39	2 3	14 15	0 44	22 32	0 56	1 47	14 32	22 18	22 9	15 22	11 17	1 2
T 15	23 32	22 18	0 1	20 36	1 21	23 38	0 11	21 20	0 6	23 21	0 8	15 41	2 3	14 14	0 44	22 32	0 56	1 47	14 33	22 18	22 9	15 20	11 16	1 2
W16	23 31	22 18	1n 5	20 56	1 13	23 43	0 13	21 29	0 7	23 22	0 8	15 42	2 4	14 13	0 44	22 32	0 56	1 48	14 33	22 18	22 8	15 18	11 16	1 2
T 17	23 30	21 16	2 8	21 14	1 4	23 47	0 16	21 37	0 8	23 22	0 8	15 44	2 4	14 12	0 44	22 32	0 56	1 48	14 33	22 18	22 8	15 16	11 16	1 2
F 18	23 28	19 17	3 5	21 33	0 56	23 50	0 18	21 45	0 8	23 22	0 8	15 45	2 4	14 11	0 44	22 32	0 56	1 48	14 34	22 18	22 7	15 14	11 15	1 2
S 19	23 26	16 30	3 53	21 51	0 48	23 53	0 21	21 53	0 9	23 23	0 8	15 47	2 4	14 11	0 44	22 32	0 56	1 48	14 34	22 17	22 7	15 12	11 15	1 2
S 20	23 24	13 3	4 31	22 8	0 39	23 54	0 23	22 0	0 10	23 23	0 8	15 48	2 4	14 10	0 44	22 32	0 56	1 48	14 34	22 16	22 6	15 9	11 14	1 2
M21	23 20	9 6	4 58	22 24	0 31	23 56	0 25	22 8	0 10	23 23	0 8	15 50	2 4	14 9	0 43	22 32	0 56	1 48	14 35	22 16	22 6	15 7	11 14	1 2
T 22	23 17	4 48	5 12	22 40	0 23	23 56	0 27	22 15	0 11	23 24	0 8	15 51	2 4	14 8	0 43	22 32	0 56	1 48	14 35	22 15	22 5	15 5	11 14	1 2
W23	23 13	0 17	5 12	22 54	0 15	23 55	0 30	22 22	0 12	23 24	0 8	15 52	2 4	14 7	0 43	22 33	0 56	1 49	14 35	22 15	22 5	15 3	11 14	1 2
T 24	23 8	4n19	4 58	23 8	0 7	23 54	0 32	22 28	0 12	23 24	0 8	15 54	2 4	14 6	0 43	22 33	0 56	1 49	14 36	22 15	22 5	15 1	11 13	1 2
F 25	23 3	8 50	4 31	23 21	0s 0	23 52	0 34	22 35	0 13	23 24	0 7	15 55	2 5	14 5	0 43	22 33	0 56	1 49	14 36	22 14	22 4	14 59	11 13	1 2
S 26	22 58	13 5	3 49	23 33	0 8	23 50	0 36	22 41	0 14	23 25	0 7	15 56	2 5	14 4	0 43	22 33	0 56	1 49	14 36	22 15	22 4	14 57	11 13	1 2
S 27	22 52	16 52	2 55	23 43	0 15	23 46	0 38	22 47	0 14	23 25	0 7	15 57	2 5	14 3	0 43	22 33	0 56	1 49	14 37	22 15	22 3	14 55	11 13	1 2
M28	22 46	19 53	1 49	23 53	0 23	23 42	0 41	22 53	0 15	23 25	0 7	15 59	2 5	14 2	0 43	22 33	0 56	1 49	14 37	22 15	22 3	14 53	11 12	1 2
T 29	22 39	21 49	0 34	24 1	0 30	23 37	0 43	22 59	0 16	23 25	0 7	16 0	2 5	14 1	0 43	22 33	0 56	1 49	14 37	22 15	22 2	14 51	11 12	1 2
W30	22 32	22 24	0s45	24 9	0 37	23 32	0 45	23 4	0 16	23 25	0 7	16 1	2 5	14 0	0 43	22 33	0 56	1 49	14 38	22 15	22 2	14 49	11 12	1 2
T 31	22s24	21n25	2s 3	24s15	0s43	23s26	0s47	23s 9	0s17	23s25	0n 7	16s 2	2n 5	13s59	0s43	22n33	0s56	1s49	14n38	22s15	22s 1	14s47	11n12	1s 2

Julian Day Number = 2177224.5, Delta T = 11m48s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°15'59, Lahiri = 13°22'59 Julian Calendar 1 Dec. 1248 == Greg. Calendar 8 Dec. 1248

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

JANUARY 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 11 5	18♑22'47	19♋45	3♑ 5	16♑34	17♐28	0♑32	20♏59	24♒51	3°R56	13♏ 0	11°R24	9♐50	5♒52	1°R52	F 1
S 2	7 15 1	19°23'51	5♌ 0	4°36	17°50	18°12	0°46	21° 4	24°54	3♋55	13° 1	11♐19	9°46	5°58	1♉52	S 2
S 3	7 18 58	20°24'54	20°13	6° 7	19° 5	18°56	0°59	21° 8	24°57	3°53	13° 2	11°13	9°43	6° 5	1°D52	S 3
M 4	7 22 54	21°25'56	5♍11	7°39	20°20	19°40	1°13	21°13	25° 0	3°52	13° 4	11° 7	9°40	6°12	1°52	M 4
T 5	7 26 51	22°26'58	19°47	9°11	21°36	20°24	1°26	21°18	25° 3	3°50	13° 5	11° 2	9°37	6°18	1°52	T 5
W 6	7 30 47	23°27'59	3♎58	10°45	22°51	21° 8	1°40	21°22	25° 6	3°48	13° 6	10°58	9°34	6°25	1°52	W 6
T 7	7 34 44	24°29'00	17°40	12°18	24° 6	21°52	1°53	21°27	25° 9	3°47	13° 7	10°57	9°31	6°32	1°52	T 7
F 8	7 38 40	25°30'00	0♏57	13°53	25°22	22°36	2° 6	21°31	25°12	3°45	13° 8	10°D56	9°27	6°38	1°53	F 8
S 9	7 42 37	26°30'59	13°50	15°28	26°37	23°20	2°20	21°35	25°15	3°44	13° 9	10°58	9°24	6°45	1°53	S 9
S 10	7 46 34	27°31'58	26°23	17° 4	27°53	24° 5	2°33	21°39	25°18	3°42	13°10	10°59	9°21	6°52	1°53	S 10
M11	7 50 30	28°32'56	8♐41	18°40	29° 8	24°49	2°46	21°44	25°21	3°41	13°11	11°R 0	9°18	6°59	1°54	M11
T 12	7 54 27	29°33'54	20°49	20°17	0♒23	25°33	2°59	21°48	25°24	3°39	13°12	10°59	9°15	7° 5	1°54	T 12
W13	7 58 23	0♒34'50	2♑48	21°55	1°39	26°17	3°12	21°52	25°28	3°38	13°13	10°57	9°11	7°12	1°55	W13
T 14	8 2 20	1°35'45	14°42	23°33	2°54	27° 2	3°25	21°55	25°31	3°36	13°14	10°51	9° 8	7°19	1°56	T 14
F 15	8 6 16	2°36'40	26°33	25°12	4° 9	27°46	3°38	21°59	25°34	3°35	13°15	10°44	9° 5	7°25	1°56	F 15
S 16	8 10 13	3°37'33	8♒24	26°52	5°24	28°31	3°51	22° 3	25°37	3°33	13°16	10°34	9° 2	7°32	1°57	S 16
S 17	8 14 9	4°38'25	20°15	28°33	6°40	29°15	4° 4	22° 7	25°41	3°32	13°16	10°23	8°59	7°39	1°58	S 17
M18	8 18 6	5°39'15	2♓ 9	0♒14	7°55	29°59	4°17	22°10	25°44	3°30	13°17	10°12	8°56	7°45	1°59	M18
T 19	8 22 3	6°40'04	14° 6	1°56	9°10	0♑44	4°30	22°14	25°47	3°29	13°18	10° 1	8°52	7°52	2° 0	T 19
W20	8 25 59	7°40'52	26° 9	3°39	10°25	1°28	4°43	22°17	25°50	3°28	13°19	9°52	8°49	7°59	2° 1	W20
T 21	8 29 56	8°41'38	8♈21	5°23	11°41	2°13	4°55	22°20	25°54	3°26	13°19	9°45	8°46	8° 6	2° 2	T 21
F 22	8 33 52	9°42'23	20°45	7° 7	12°56	2°58	5° 8	22°23	25°57	3°25	13°20	9°41	8°43	8°12	2° 3	F 22
S 23	8 37 49	10°43'06	3♉24	8°53	14°11	3°42	5°21	22°27	26° 0	3°24	13°20	9°39	8°40	8°19	2° 4	S 23
S 24	8 41 45	11°43'47	16°23	10°39	15°26	4°27	5°33	22°30	26° 4	3°22	13°21	9°D39	8°37	8°26	2° 5	S 24
M25	8 45 42	12°44'27	29°45	12°26	16°41	5°12	5°46	22°32	26° 7	3°21	13°21	9°39	8°33	8°32	2° 7	M25
T 26	8 49 38	13°45'04	13♊35	14°13	17°57	5°56	5°58	22°35	26°11	3°20	13°22	9°R39	8°30	8°39	2° 8	T 26
W27	8 53 35	14°45'41	27°52	16° 2	19°12	6°41	6°10	22°38	26°14	3°19	13°22	9°38	8°27	8°46	2°10	W27
T 28	8 57 32	15°46'15	12♋35	17°51	20°27	7°26	6°23	22°41	26°17	3°18	13°23	9°34	8°24	8°53	2°11	T 28
F 29	9 1 28	16°46'48	27°40	19°41	21°42	8°11	6°35	22°43	26°21	3°17	13°23	9°28	8°21	8°59	2°13	F 29
S 30	9 5 25	17°47'18	12♌58	21°32	22°57	8°56	6°47	22°46	26°24	3°15	13°23	9°19	8°17	9° 6	2°14	S 30
S 31	9 9 21	18♒47'48	28♌19	23♒23	24♒12	9♑40	6♑59	22♏48	26♒28	3♋14	13♏24	9♐ 9	8♐14	9♒13	2♉16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s16	18n53	3s13	24s20	0s50	23s18	0s49	23s14	0s18	23s25	0n 7	16s 3	2n 5	13s58	0s43	22n33	0s56	1s49	14n39	22s14	22s 1	14s44	11n12	1s 2	F 1
S 2	22 8	15 2	4 10	24 23	0 56	23 11	0 51	23 19	0 19	23 25	0 7	16 5	2 6	13 57	0 43	22 33	0 55	1 49	14 39	22 14	22 0	14 42	11 12	1 2	S 2
S 3	21 59	10 13	4 50	24 26	1 2	23 2	0 53	23 24	0 19	23 25	0 7	16 6	2 6	13 56	0 43	22 33	0 55	1 49	14 39	22 13	22 0	14 40	11 12	1 2	S 3
M 4	21 49	4 52	5 8	24 27	1 8	22 53	0 54	23 28	0 20	23 25	0 6	16 7	2 6	13 55	0 43	22 33	0 55	1 49	14 40	22 12	21 59	14 38	11 12	1 2	M 4
T 5	21 39	0s38	5 6	24 26	1 13	22 43	0 56	23 32	0 21	23 25	0 6	16 8	2 6	13 54	0 43	22 33	0 55	1 49	14 40	22 11	21 59	14 36	11 12	1 2	T 5
W 6	21 29	5 57	4 46	24 24	1 19	22 33	0 58	23 36	0 21	23 25	0 6	16 9	2 6	13 53	0 43	22 33	0 55	1 49	14 41	22 11	21 58	14 34	11 12	1 2	W 6
T 7	21 19	10 47	4 9	24 21	1 24	22 21	1 0	23 39	0 22	23 25	0 6	16 10	2 6	13 52	0 43	22 34	0 55	1 49	14 41	22 10	21 58	14 32	11 12	1 2	T 7
F 8	21 8	14 58	3 20	24 17	1 29	22 9	1 1	23 42	0 23	23 25	0 6	16 11	2 6	13 51	0 43	22 34	0 55	1 49	14 41	22 10	21 57	14 30	11 12	1 2	F 8
S 9	20 56	18 18	2 22	24 11	1 33	21 57	1 3	23 46	0 24	23 25	0 6	16 12	2 7	13 50	0 43	22 34	0 55	1 49	14 42	22 11	21 57	14 28	11 12	1 2	S 9
S 10	20 44	20 41	1 18	24 3	1 38	21 44	1 5	23 48	0 24	23 25	0 6	16 13	2 7	13 49	0 43	22 34	0 55	1 48	14 42	22 11	21 57	14 26	11 12	1 2	S 10
M11	20 32	22 3	0 12	23 55	1 42	21 30	1 6	23 51	0 25	23 25	0 6	16 14	2 7	13 48	0 43	22 34	0 55	1 48	14 43	22 11	21 56	14 23	11 12	1 2	M11
T 12	20 19	22 20	0n53	23 44	1 45	21 15	1 8	23 53	0 26	23 24	0 6	16 15	2 7	13 47	0 43	22 34	0 55	1 48	14 43	22 11	21 56	14 21	11 13	1 2	T 12
W13	20 6	21 36	1 55	23 32	1 49	21 0	1 9	23 55	0 26	23 24	0 6	16 15	2 7	13 46	0 43	22 34	0 55	1 48	14 44	22 11	21 55	14 19	11 13	1 2	W13
T 14	19 53	19 53	2 51	23 19	1 52	20 44	1 11	23 57	0 27	23 24	0 6	16 16	2 7	13 45	0 43	22 34	0 55	1 48	14 44	22 10	21 55	14 17	11 13	1 2	T 14
F 15	19 39	17 20	3 40	23 4	1 55	20 28	1 12	23 59	0 28	23 24	0 5	16 17	2 7	13 43	0 43	22 34	0 55	1 48	14 44	22 9	21 54	14 15	11 13	1 2	F 15
S 16	19 25	14 4	4 19	22 47	1 57	20 11	1 13	24 0	0 29	23 23	0 5	16 18	2 8	13 42	0 43	22 34	0 55	1 47	14 45	22 7	21 54	14 13	11 13	1 2	S 16
S 17	19 11	10 16	4 46	22 29	1 59	19 53	1 14	24 1	0 29	23 23	0 5	16 19	2 8	13 41	0 43	22 34	0 55	1 47	14 45	22 6	21 53	14 11	11 14	1 2	S 17
M18	18 56	6 3	5 2	22 9	2 1	19 35	1 16	24 2	0 30	23 23	0 5	16 19	2 8	13 40	0 43	22 34	0 55	1 47	14 46	22 4	21 53	14 9	11 14	1 2	M18
T 19	18 41	1 36	5 4	21 48	2 2	19 16	1 17	24 3	0 31	23 22	0 5	16 20	2 8	13 39	0 43	22 34	0 55	1 47	14 46	22 3	21 52	14 6	11 14	1 3	T 19
W20	18 25	2n56	4 53	21 25	2 3	18 57	1 18	24 3	0 32	23 22	0 5	16 21	2 8	13 38	0 43	22 34	0 55	1 47	14 47	22 1	21 52	14 4	11 15	1 3	W20
T 21	18 10	7 25	4 28	21 0	2 4	18 37	1 19	24 3	0 32	23 22	0 5	16 21	2 8	13 37	0 43	22 34	0 55	1 46	14 47	22 0	21 51	14 2	11 15	1 3	T 21
F 22	17 53	11 41	3 50	20 34	2 4	18 17	1 20	24 3	0 33	23 21	0 5	16 22	2 9	13 36	0 43	22 35	0 55	1 46	14 48	22 0	21 51	14 0	11 15	1 3	F 22
S 23	17 37	15 32	3 1	20 6	2 4	17 56	1 21	24 3	0 34	23 21	0 5	16 23	2 9	13 34	0 43	22 35	0 55	1 46	14 48	21 59	21 50	13 58	11 16	1 3	S 23
S 24	17 20	18 44	2 1	19 36	2 3	17 34	1 22	24 2	0 34	23 21	0 5	16 23	2 9	13 33	0 43	22 35	0 55	1 46	14 48	21 59	21 50	13 56	11 16	1 3	S 24
M25	17 3	21 2	0 53	19 5	2 2	17 12	1 22	24 1	0 35	23 20	0 5	16 24	2 9	13 32	0 43	22 35	0 55	1 45	14 49	21 59	21 49	13 54	11 17	1 3	M25
T 26	16 46	22 11	0s21	18 33	2 0	16 50	1 23	24 0	0 36	23 20	0 4	16 24	2 9	13 31	0 43	22 35	0 55	1 45	14 49	21 59	21 49	13 51	11 17	1 3	T 26
W27	16 28	21 56	1 35	17 58	1 58	16 27	1 24	23 59	0 37	23 19	0 4	16 25	2 9	13 30	0 43	22 35	0 55	1 45	14 50	21 59	21 48	13 49	11 17	1 3	W27
T 28	16 10	20 11	2 46	17 22	1 55	16 4	1 24	23 57	0 37	23 19	0 4	16 25	2 10	13 29	0 43	22 35	0 55	1 44	14 50	21 59	21 48	13 47	11 18	1 3	T 28
F 29	15 52	17 1	3 46	16 44	1 52	15 40	1 25	23 55	0 38	23 18	0 4	16 26	2 10	13 27	0 43	22 35	0 55	1 44	14 51	21 58	21 47	13 45	11 18	1 3	F 29
S 30	15 34	12 39	4 31	16 5	1 48	15 16	1 25	23 53	0 39	23 18	0 4	16 26	2 10	13 26	0 43	22 35	0 55	1 44	14 51	21 56	21 47	13 43	11 19	1 3	S 30
S 31	15s15	7n28	4s57	15s24	1s44	14s51	1s26	23s50	0s40	23s17	0n 4	16s27	2n10	13s25	0s43	22n35	0s55	1s43	14n52	21s55	21s46	13s41	11n20	1s 3	S 31

Julian Day Number = 2177255.5, Delta T = 11m48s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'03, Lahiri = 13°23'03 Julian Calendar 1 Jan. 1249 == Greg. Calendar 8 Jan. 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

FEBRUARY 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 13 18	19♒48'15	13♍30	25♒15	25♒27	10♑25	7♑11	22♏50	26♒31	3°R13	13♏24	8°R58	8♐11	9♒19	2♉18	M 1
T 2	9 17 14	20°48'41	28°21	27° 7	26°42	11°10	7°23	22°52	26°35	3♋12	13°24	8♐49	8° 8	9°26	2°19	T 2
W 3	9 21 11	21°49'06	12♎45	28°59	27°57	11°55	7°35	22°54	26°38	3°11	13°24	8°41	8° 5	9°33	2°21	W 3
T 4	9 25 7	22°49'29	26°39	0♓52	29°12	12°40	7°47	22°56	26°41	3°10	13°24	8°36	8° 2	9°39	2°23	T 4
F 5	9 29 4	23°49'51	10♏ 3	2°45	0♓27	13°25	7°58	22°58	26°45	3° 9	13°24	8°33	7°58	9°46	2°25	F 5
S 6	9 33 1	24°50'11	22°59	4°37	1°42	14°10	8°10	23° 0	26°48	3° 8	13°24	8°D33	7°55	9°53	2°27	S 6
S 7	9 36 57	25°50'30	5♐33	6°29	2°57	14°55	8°21	23° 2	26°52	3° 7	13°R24	8°R33	7°52	10° 0	2°29	S 7
M 8	9 40 54	26°50'48	17°48	8°21	4°12	15°40	8°33	23° 3	26°55	3° 6	13°24	8°33	7°49	10° 6	2°31	M 8
T 9	9 44 50	27°51'04	29°50	10°11	5°27	16°26	8°44	23° 5	26°59	3° 6	13°24	8°31	7°46	10°13	2°33	T 9
W10	9 48 47	28°51'18	11♑44	12° 0	6°42	17°11	8°55	23° 6	27° 2	3° 5	13°24	8°27	7°43	10°20	2°36	W10
T 11	9 52 43	29°51'31	23°34	13°47	7°57	17°56	9° 7	23° 7	27° 6	3° 4	13°24	8°20	7°39	10°26	2°38	T 11
F 12	9 56 40	0♓51'41	5♒23	15°31	9°12	18°41	9°18	23° 9	27° 9	3° 3	13°24	8° 9	7°36	10°33	2°40	F 12
S 13	10 0 36	1°51'51	17°14	17°13	10°26	19°26	9°29	23°10	27°12	3° 3	13°24	7°57	7°33	10°40	2°43	S 13
S 14	10 4 33	2°51'58	29° 9	18°52	11°41	20°12	9°40	23°11	27°16	3° 2	13°24	7°42	7°30	10°47	2°45	S 14
M15	10 8 30	3°52'03	11♓ 8	20°27	12°56	20°57	9°50	23°11	27°19	3° 1	13°23	7°28	7°27	10°53	2°47	M15
T 16	10 12 26	4°52'07	23°14	21°57	14°11	21°42	10° 1	23°12	27°23	3° 1	13°23	7°13	7°23	11° 0	2°50	T 16
W17	10 16 23	5°52'08	5♈27	23°23	15°26	22°28	10°12	23°13	27°26	3° 0	13°23	7° 1	7°20	11° 7	2°53	W17
T 18	10 20 19	6°52'08	17°48	24°43	16°40	23°13	10°22	23°13	27°30	2°59	13°22	6°51	7°17	11°13	2°55	T 18
F 19	10 24 16	7°52'05	0♉19	25°57	17°55	23°58	10°33	23°14	27°33	2°59	13°22	6°45	7°14	11°20	2°58	F 19
S 20	10 28 12	8°52'00	13° 3	27° 4	19°10	24°44	10°43	23°14	27°36	2°58	13°22	6°41	7°11	11°27	3° 1	S 20
S 21	10 32 9	9°51'53	26° 2	28° 5	20°24	25°29	10°53	23°15	27°40	2°58	13°21	6°39	7° 8	11°33	3° 3	S 21
M22	10 36 5	10°51'44	9♊20	28°58	21°39	26°14	11° 3	23°15	27°43	2°57	13°21	6°39	7° 4	11°40	3° 6	M22
T 23	10 40 2	11°51'32	23° 0	29°43	22°54	27° 0	11°13	23°R15	27°47	2°57	13°20	6°39	7° 1	11°47	3° 9	T 23
W24	10 43 58	12°51'18	7♋ 3	0♈21	24° 8	27°45	11°23	23°15	27°50	2°57	13°19	6°37	6°58	11°54	3°12	W24
T 25	10 47 55	13°51'02	21°29	0°50	25°23	28°31	11°33	23°15	27°53	2°56	13°19	6°34	6°55	12° 0	3°15	T 25
F 26	10 51 52	14°50'44	6♌17	1°10	26°37	29°16	11°43	23°14	27°57	2°56	13°18	6°27	6°52	12° 7	3°18	F 26
S 27	10 55 48	15°50'23	21°19	1°23	27°52	0♒ 2	11°52	23°14	28° 0	2°56	13°18	6°18	6°49	12°14	3°21	S 27
S 28	10 59 45	16♓50'00	6♍27	1°R27	29♓ 6	0♒47	12♑ 2	23♏14	28♒ 3	2♋55	13♏17	6♐ 7	6♐45	12♒20	3♉24	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	14s56	1n53	5s 1	14s42	1s38	14s26	1s26	23s48	0s40	23s17	0n 4	16s27	2n10	13s24	0s43	22n35	0s55	1s43	14n52	21s53	21s46	13s39	11n20	1s 3	M 1
T 2	14 37	3s42	4 45	13 58	1 33	14 1	1 26	23 45	0 41	23 16	0 4	16 28	2 11	13 23	0 43	22 35	0 55	1 43	14 53	21 52	21 45	13 36	11 21	1 3	T 2
W 3	14 17	8 54	4 11	13 13	1 27	13 35	1 27	23 42	0 42	23 15	0 4	16 28	2 11	13 22	0 43	22 35	0 55	1 42	14 53	21 50	21 45	13 34	11 21	1 3	W 3
T 4	13 58	13 28	3 23	12 27	1 20	13 9	1 27	23 38	0 43	23 15	0 4	16 28	2 11	13 20	0 43	22 35	0 55	1 42	14 53	21 50	21 44	13 32	11 22	1 3	T 4
F 5	13 38	17 11	2 25	11 39	1 12	12 43	1 27	23 34	0 43	23 14	0 3	16 29	2 11	13 19	0 43	22 35	0 55	1 41	14 54	21 49	21 44	13 30	11 23	1 3	F 5
S 6	13 18	19 55	1 22	10 51	1 4	12 16	1 27	23 31	0 44	23 14	0 3	16 29	2 11	13 18	0 43	22 35	0 55	1 41	14 54	21 49	21 43	13 28	11 23	1 3	S 6
S 7	12 57	21 35	0 16	10 1	0 55	11 49	1 27	23 26	0 45	23 13	0 3	16 29	2 11	13 17	0 43	22 35	0 54	1 41	14 55	21 49	21 43	13 26	11 24	1 3	S 7
M 8	12 37	22 10	0n49	9 11	0 46	11 21	1 27	23 22	0 46	23 12	0 3	16 29	2 12	13 16	0 43	22 36	0 54	1 40	14 55	21 49	21 42	13 23	11 25	1 3	M 8
T 9	12 16	21 42	1 50	8 20	0 35	10 54	1 27	23 17	0 46	23 12	0 3	16 29	2 12	13 14	0 43	22 36	0 54	1 40	14 56	21 49	21 42	13 21	11 25	1 3	T 9
W10	11 55	20 16	2 46	7 28	0 25	10 26	1 26	23 12	0 47	23 11	0 3	16 30	2 12	13 13	0 43	22 36	0 54	1 39	14 56	21 48	21 41	13 19	11 26	1 3	W10
T 11	11 34	17 57	3 34	6 37	0 13	9 57	1 26	23 7	0 48	23 10	0 3	16 30	2 12	13 12	0 43	22 36	0 54	1 39	14 57	21 47	21 40	13 17	11 27	1 3	T 11
F 12	11 13	14 55	4 13	5 45	0 1	9 29	1 26	23 2	0 49	23 10	0 3	16 30	2 12	13 11	0 43	22 36	0 54	1 38	14 57	21 45	21 40	13 15	11 28	1 3	F 12
S 13	10 51	11 16	4 40	4 54	0n11	9 0	1 25	22 56	0 49	23 9	0 3	16 30	2 13	13 10	0 43	22 36	0 54	1 38	14 57	21 43	21 39	13 13	11 28	1 3	S 13
S 14	10 30	7 11	4 56	4 3	0 24	8 31	1 25	22 50	0 50	23 8	0 3	16 30	2 13	13 8	0 43	22 36	0 54	1 37	14 58	21 41	21 39	13 10	11 29	1 3	S 14
M15	10 8	2 49	4 59	3 14	0 37	8 2	1 24	22 44	0 51	23 8	0 2	16 30	2 13	13 7	0 43	22 36	0 54	1 37	14 58	21 39	21 38	13 8	11 30	1 3	M15
T 16	9 46	1n43	4 48	2 26	0 51	7 32	1 24	22 38	0 51	23 7	0 2	16 30	2 13	13 6	0 43	22 36	0 54	1 36	14 59	21 36	21 38	13 6	11 31	1 3	T 16
W17	9 24	6 12	4 24	1 39	1 4	7 2	1 23	22 31	0 52	23 6	0 2	16 30	2 13	13 5	0 43	22 36	0 54	1 36	14 59	21 34	21 37	13 4	11 32	1 3	W17
T 18	9 2	10 30	3 47	0 55	1 18	6 33	1 22	22 24	0 53	23 6	0 2	16 30	2 13	13 4	0 43	22 36	0 54	1 35	15 0	21 33	21 37	13 2	11 33	1 3	T 18
F 19	8 39	14 25	2 59	0 13	1 32	6 3	1 21	22 17	0 54	23 5	0 2	16 30	2 14	13 3	0 43	22 36	0 54	1 35	15 0	21 31	21 36	13 0	11 34	1 3	F 19
S 20	8 17	17 45	2 1	0n27	1 46	5 32	1 21	22 10	0 54	23 4	0 2	16 30	2 14	13 1	0 43	22 36	0 54	1 34	15 0	21 31	21 36	12 57	11 34	1 3	S 20
S 21	7 54	20 15	0 56	1 4	2 0	5 2	1 20	22 2	0 55	23 3	0 2	16 30	2 14	13 0	0 43	22 36	0 54	1 34	15 1	21 31	21 35	12 55	11 35	1 3	S 21
M22	7 31	21 42	0s14	1 37	2 13	4 32	1 19	21 54	0 56	23 3	0 2	16 30	2 14	12 59	0 43	22 36	0 54	1 33	15 1	21 30	21 35	12 53	11 36	1 3	M22
T 23	7 9	21 56	1 25	2 7	2 25	4 1	1 18	21 46	0 57	23 2	0 2	16 29	2 14	12 58	0 43	22 36	0 54	1 33	15 2	21 30	21 34	12 51	11 37	1 3	T 23
W24	6 46	20 48	2 33	2 33	2 37	3 30	1 16	21 38	0 57	23 1	0 2	16 29	2 15	12 57	0 43	22 36	0 54	1 32	15 2	21 30	21 34	12 49	11 38	1 3	W24
T 25	6 23	18 18	3 33	2 54	2 49	3 0	1 15	21 29	0 58	23 0	0 1	16 29	2 15	12 56	0 43	22 36	0 54	1 32	15 2	21 30	21 33	12 46	11 39	1 3	T 25
F 26	6 0	14 34	4 20	3 12	2 59	2 29	1 14	21 21	0 59	23 0	0 1	16 29	2 15	12 54	0 43	22 36	0 54	1 31	15 3	21 28	21 33	12 44	11 40	1 3	F 26
S 27	5 36	9 52	4 51	3 26	3 8	1 58	1 13	21 12	1 0	22 59	0 1	16 29	2 15	12 53	0 43	22 36	0 54	1 31	15 3	21 27	21 32	12 42	11 41	1 4	S 27
S 28	5s13	4n31	5s 1	3n35	3n16	1s27	1s11	21s 3	1s 0	22s58	0n 1	16s28	2n15	12s52	0s43	22n37	0s54	1s30	15n 4	21s25	21s32	12s40	11n42	1s 4	S 28

Julian Day Number = 2177286.5, Delta T = 11m48s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'07, Lahiri = 13°23'08 Julian Calendar 1 Feb. 1249 == Greg. Calendar 8 Feb. 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

MARCH 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 3 41	17♓49'35	21♍31	1°R22	0♈21	1♒33	12♑11	23°R13	28♒ 7	2°R55	13°R16	5°R56	6♐42	12♒27	3♉27	M 1
T 2	11 7 38	18°49'07	6♎21	1♈10	1°35	2°18	12°20	23♏12	28°10	2♋55	13♏15	5♐46	6°39	12°34	3°30	T 2
W 3	11 11 34	19°48'38	20°49	0°51	2°50	3° 4	12°29	23°12	28°13	2°55	13°15	5°37	6°36	12°41	3°33	W 3
T 4	11 15 31	20°48'07	4♏49	0°24	4° 4	3°49	12°38	23°11	28°16	2°55	13°14	5°31	6°33	12°47	3°36	T 4
F 5	11 19 27	21°47'34	18°20	29♓51	5°18	4°35	12°47	23°10	28°20	2°55	13°13	5°28	6°29	12°54	3°40	F 5
S 6	11 23 24	22°47'00	1♐23	29°13	6°33	5°21	12°56	23° 9	28°23	2°55	13°12	5°D27	6°26	13° 1	3°43	S 6
S 7	11 27 21	23°46'23	14° 1	28°30	7°47	6° 6	13° 4	23° 8	28°26	2°D55	13°11	5°27	6°23	13° 7	3°46	S 7
M 8	11 31 17	24°45'45	26°20	27°43	9° 1	6°52	13°13	23° 6	28°29	2°55	13°10	5°R27	6°20	13°14	3°50	M 8
T 9	11 35 14	25°45'05	8♑24	26°54	10°16	7°37	13°21	23° 5	28°33	2°55	13° 9	5°26	6°17	13°21	3°53	T 9
W10	11 39 10	26°44'23	20°18	26° 3	11°30	8°23	13°29	23° 4	28°36	2°55	13° 8	5°24	6°14	13°28	3°56	W10
T 11	11 43 7	27°43'39	2♒ 8	25°12	12°44	9° 9	13°37	23° 2	28°39	2°55	13° 7	5°18	6°10	13°34	4° 0	T 11
F 12	11 47 3	28°42'54	13°58	24°21	13°58	9°54	13°45	23° 1	28°42	2°55	13° 6	5°11	6° 7	13°41	4° 3	F 12
S 13	11 51 0	29°42'06	25°52	23°32	15°12	10°40	13°53	22°59	28°45	2°55	13° 5	5° 1	6° 4	13°48	4° 7	S 13
S 14	11 54 56	0♈41'17	7♓51	22°45	16°26	11°26	14° 1	22°57	28°48	2°56	13° 4	4°49	6° 1	13°54	4°10	S 14
M15	11 58 53	1°40'25	19°58	22° 1	17°41	12°12	14° 8	22°55	28°51	2°56	13° 3	4°37	5°58	14° 1	4°14	M15
T 16	12 2 50	2°39'32	2♈15	21°21	18°55	12°57	14°16	22°53	28°54	2°56	13° 2	4°25	5°54	14° 8	4°18	T 16
W17	12 6 46	3°38'36	14°42	20°46	20° 9	13°43	14°23	22°51	28°57	2°56	13° 1	4°15	5°51	14°15	4°21	W17
T 18	12 10 43	4°37'38	27°18	20°15	21°23	14°29	14°30	22°49	29° 0	2°57	13° 0	4° 7	5°48	14°21	4°25	T 18
F 19	12 14 39	5°36'39	10♉ 6	19°49	22°37	15°14	14°37	22°47	29° 3	2°57	12°58	4° 2	5°45	14°28	4°28	F 19
S 20	12 18 36	6°35'37	23° 5	19°29	23°51	16° 0	14°44	22°44	29° 6	2°58	12°57	3°59	5°42	14°35	4°32	S 20
S 21	12 22 32	7°34'32	6♊16	19°14	25° 5	16°46	14°50	22°42	29° 9	2°58	12°56	3°D59	5°39	14°41	4°36	S 21
M22	12 26 29	8°33'26	19°41	19° 4	26°18	17°31	14°57	22°40	29°12	2°59	12°55	3°59	5°35	14°48	4°40	M22
T 23	12 30 25	9°32'17	3♋22	19°D 0	27°32	18°17	15° 3	22°37	29°15	2°59	12°53	4°R 0	5°32	14°55	4°43	T 23
W24	12 34 22	10°31'06	17°19	19° 1	28°46	19° 3	15° 9	22°34	29°17	3° 0	12°52	4° 0	5°29	15° 2	4°47	W24
T 25	12 38 19	11°29'52	1♌32	19° 7	29°59	19°49	15°15	22°32	29°20	3° 0	12°51	3°58	5°26	15° 8	4°51	T 25
F 26	12 42 15	12°28'36	16° 0	19°19	1♉14	20°34	15°21	22°29	29°23	3° 1	12°49	3°55	5°23	15°15	4°55	F 26
S 27	12 46 12	13°27'18	0♍39	19°35	2°27	21°20	15°27	22°26	29°26	3° 2	12°48	3°49	5°20	15°22	4°59	S 27
S 28	12 50 8	14°25'58	15°22	19°56	3°41	22° 6	15°32	22°23	29°28	3° 2	12°46	3°42	5°16	15°28	5° 3	S 28
M29	12 54 5	15°24'35	0♎ 4	20°22	4°55	22°51	15°38	22°20	29°31	3° 3	12°45	3°34	5°13	15°35	5° 7	M29
T 30	12 58 1	16°23'10	14°36	20°51	6° 8	23°37	15°43	22°17	29°34	3° 4	12°44	3°27	5°10	15°42	5°10	T 30
W31	13 1 58	17♈21'44	28♎51	21♓26	7♉22	24♒23	15♑48	22♏14	29♒36	3♋ 5	12♏42	3♐21	5♐ 7	15♒49	5♉14	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s50	1s 4	4s50	3n39	3n23	0s56	1s10	20s53	1s 1	22s58	0n 1	16s28	2n15	12s51	0s43	22n37	0s54	1s29	15n 4	21s23	21s31	12s38	11n43	1s 4
T 2	4 26	6 30	4 19	3 39	3 28	0 25	1 9	20 44	1 2	22 57	0 1	16 28	2 16	12 50	0 43	22 37	0 54	1 29	15 4	21 21	21 30	12 36	11 44	1 4
W 3	4 3	11 27	3 33	3 34	3 32	0n 6	1 7	20 34	1 2	22 56	0 1	16 27	2 16	12 49	0 43	22 37	0 54	1 28	15 5	21 20	21 30	12 33	11 45	1 4
T 4	3 40	15 36	2 35	3 25	3 34	0 37	1 5	20 24	1 3	22 55	0 1	16 27	2 16	12 48	0 43	22 37	0 54	1 28	15 5	21 19	21 29	12 31	11 46	1 4
F 5	3 16	18 47	1 29	3 12	3 34	1 8	1 4	20 14	1 4	22 55	0 1	16 27	2 16	12 47	0 43	22 37	0 53	1 27	15 5	21 18	21 29	12 29	11 47	1 4
S 6	2 53	20 52	0 22	2 55	3 32	1 40	1 2	20 3	1 5	22 54	0 0	16 26	2 16	12 45	0 43	22 37	0 53	1 27	15 6	21 18	21 28	12 27	11 48	1 4
S 7	2 29	21 49	0n45	2 35	3 28	2 11	1 0	19 53	1 5	22 53	0 0	16 26	2 16	12 44	0 43	22 37	0 53	1 26	15 6	21 18	21 28	12 24	11 49	1 4
M 8	2 5	21 41	1 49	2 12	3 23	2 42	0 59	19 42	1 6	22 52	0 0	16 25	2 17	12 43	0 43	22 37	0 53	1 25	15 6	21 18	21 27	12 22	11 51	1 4
T 9	1 42	20 31	2 46	1 45	3 16	3 13	0 57	19 31	1 7	22 52	0 0	16 25	2 17	12 42	0 43	22 37	0 53	1 25	15 7	21 18	21 27	12 20	11 52	1 4
W10	1 18	18 27	3 35	1 17	3 7	3 43	0 55	19 19	1 7	22 51	0 0	16 24	2 17	12 41	0 43	22 37	0 53	1 24	15 7	21 17	21 26	12 18	11 53	1 4
T 11	0 54	15 38	4 14	0 47	2 57	4 14	0 53	19 8	1 8	22 50	0s 0	16 24	2 17	12 40	0 43	22 37	0 53	1 24	15 7	21 16	21 26	12 16	11 54	1 4
F 12	0 31	12 12	4 42	0 16	2 45	4 45	0 51	18 56	1 9	22 50	0 0	16 23	2 17	12 39	0 43	22 37	0 53	1 23	15 8	21 15	21 25	12 13	11 55	1 4
S 13	0 7	8 16	4 59	0s15	2 32	5 16	0 49	18 45	1 9	22 49	0 0	16 23	2 17	12 38	0 43	22 37	0 53	1 22	15 8	21 13	21 24	12 11	11 56	1 4
S 14	0n16	3 59	5 2	0 46	2 18	5 46	0 47	18 33	1 10	22 48	0 0	16 22	2 18	12 37	0 43	22 37	0 53	1 22	15 8	21 11	21 24	12 9	11 57	1 4
M15	0 40	0n29	4 52	1 17	2 4	6 16	0 45	18 20	1 11	22 47	0 1	16 21	2 18	12 36	0 43	22 37	0 53	1 21	15 9	21 9	21 23	12 7	11 58	1 4
T 16	1 4	5 0	4 28	1 47	1 48	6 47	0 43	18 8	1 11	22 47	0 1	16 21	2 18	12 35	0 43	22 37	0 53	1 21	15 9	21 7	21 23	12 5	12 0	1 4
W17	1 27	9 22	3 51	2 15	1 33	7 17	0 41	17 56	1 12	22 46	0 1	16 20	2 18	12 34	0 43	22 37	0 53	1 20	15 9	21 5	21 22	12 2	12 1	1 4
T 18	1 51	13 24	3 3	2 42	1 17	7 47	0 38	17 43	1 13	22 46	0 1	16 19	2 18	12 33	0 43	22 37	0 53	1 19	15 9	21 3	21 22	12 0	12 2	1 4
F 19	2 14	16 52	2 4	3 7	1 1	8 16	0 36	17 30	1 13	22 45	0 1	16 19	2 18	12 32	0 43	22 37	0 53	1 19	15 10	21 2	21 21	11 58	12 3	1 4
S 20	2 38	19 33	0 58	3 30	0 45	8 46	0 34	17 17	1 14	22 44	0 1	16 18	2 18	12 31	0 43	22 37	0 53	1 18	15 10	21 2	21 21	11 56	12 4	1 4
S 21	3 1	21 14	0s12	3 50	0 29	9 15	0 31	17 4	1 15	22 44	0 1	16 17	2 19	12 30	0 43	22 37	0 53	1 18	15 10	21 2	21 20	11 54	12 6	1 4
M22	3 24	21 45	1 23	4 8	0 14	9 45	0 29	16 50	1 15	22 43	0 1	16 16	2 19	12 29	0 43	22 37	0 53	1 17	15 10	21 2	21 19	11 51	12 7	1 5
T 23	3 48	20 59	2 31	4 24	0s 1	10 13	0 27	16 37	1 16	22 42	0 2	16 16	2 19	12 28	0 43	22 37	0 53	1 16	15 11	21 2	21 19	11 49	12 8	1 5
W24	4 11	18 55	3 31	4 36	0 16	10 42	0 24	16 23	1 17	22 42	0 2	16 15	2 19	12 27	0 43	22 37	0 53	1 16	15 11	21 2	21 18	11 47	12 9	1 5
T 25	4 34	15 41	4 19	4 47	0 30	11 11	0 22	16 9	1 17	22 41	0 2	16 14	2 19	12 26	0 44	22 37	0 53	1 15	15 11	21 2	21 18	11 45	12 11	1 5
F 26	4 57	11 27	4 52	4 55	0 43	11 39	0 19	15 55	1 18	22 41	0 2	16 13	2 19	12 25	0 44	22 37	0 53	1 15	15 11	21 1	21 17	11 42	12 12	1 5
S 27	5 20	6 31	5 6	5 0	0 56	12 7	0 17	15 41	1 19	22 40	0 2	16 12	2 19	12 24	0 44	22 37	0 53	1 14	15 12	21 0	21 17	11 40	12 13	1 5
S 28	5 43	1 10	5 0	5 3	1 8	12 34	0 14	15 27	1 19	22 40	0 2	16 12	2 19	12 23	0 44	22 38	0 53	1 13	15 12	20 59	21 16	11 38	12 14	1 5
M29	6 5	4s14	4 35	5 3	1 20	13 2	0 12	15 13	1 20	22 39	0 2	16 11	2 20	12 22	0 44	22 38	0 53	1 13	15 12	20 57	21 15	11 36	12 15	1 5
T 30	6 28	9 20	3 52	5 1	1 31	13 29	0 9	14 58	1 20	22 39	0 2	16 10	2 20	12 21	0 44	22 38	0 52	1 12	15 12	20 56	21 15	11 33	12 17	1 5
W31	6n51	13s50	2s55	4s57	1s41	13n55	0s 7	14s43	1s21	22s38	0s 3	16s 9	2n20	12s20	0s44	22n38	0s52	1s12	15n12	20s55	21s14	11s31	12n18	1s 5

Julian Day Number = 2177314.5, Delta T = 11m47s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'11, Lahiri = 13°23'11 Julian Calendar 1 March 1249 == Greg. Calendar 8 March 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

APRIL 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 54	18♈20'15	12♏44	22♓ 4	8♉35	25♒ 8	15♑53	22°R10	29♒39	3♋ 5	12°R41	3°R17	5♐ 4	15♒55	5♉18	T 1
F 2	13 9 51	19°18'45	26°13	22°46	9°49	25°54	15°57	22♏ 7	29°41	3° 6	12♏39	3♐15	5° 0	16° 2	5°22	F 2
S 3	13 13 47	20°17'13	9♐17	23°31	11° 2	26°40	16° 2	22° 4	29°44	3° 7	12°38	3°D15	4°57	16° 9	5°26	S 3
S 4	13 17 44	21°15'39	21°59	24°20	12°16	27°25	16° 6	22° 0	29°46	3° 8	12°36	3°16	4°54	16°15	5°30	S 4
M 5	13 21 41	22°14'04	4♑21	25°12	13°29	28°11	16°11	21°57	29°49	3° 9	12°35	3°18	4°51	16°22	5°34	M 5
T 6	13 25 37	23°12'27	16°29	26° 8	14°43	28°57	16°15	21°53	29°51	3°10	12°33	3°19	4°48	16°29	5°38	T 6
W 7	13 29 34	24°10'49	28°26	27° 6	15°56	29°42	16°18	21°50	29°53	3°11	12°32	3°R19	4°45	16°36	5°42	W 7
T 8	13 33 30	25° 9'09	10♒19	28° 7	17° 9	0♓28	16°22	21°46	29°56	3°12	12°30	3°18	4°41	16°42	5°46	T 8
F 9	13 37 27	26° 7'27	22°11	29°12	18°23	1°14	16°26	21°42	29°58	3°13	12°28	3°15	4°38	16°49	5°50	F 9
S 10	13 41 23	27° 5'43	4♓ 7	0♈18	19°36	1°59	16°29	21°38	0♓ 0	3°14	12°27	3°11	4°35	16°56	5°55	S 10
S 11	13 45 20	28° 3'58	16°11	1°28	20°49	2°45	16°32	21°34	0° 2	3°15	12°25	3° 5	4°32	17° 2	5°59	S 11
M12	13 49 16	29° 2'12	28°25	2°40	22° 2	3°30	16°35	21°31	0° 4	3°16	12°24	2°59	4°29	17° 9	6° 3	M12
T 13	13 53 13	0♉ 0'23	10♈52	3°54	23°15	4°16	16°38	21°27	0° 7	3°18	12°22	2°53	4°25	17°16	6° 7	T 13
W14	13 57 10	0°58'33	23°33	5°10	24°28	5° 2	16°41	21°23	0° 9	3°19	12°20	2°48	4°22	17°23	6°11	W14
T 15	14 1 6	1°56'42	6♉28	6°29	25°41	5°47	16°43	21°19	0°11	3°20	12°19	2°44	4°19	17°29	6°15	T 15
F 16	14 5 3	2°54'48	19°36	7°51	26°54	6°33	16°45	21°14	0°13	3°21	12°17	2°42	4°16	17°36	6°19	F 16
S 17	14 8 59	3°52'53	2♊58	9°14	28° 7	7°18	16°47	21°10	0°15	3°23	12°15	2°D42	4°13	17°43	6°23	S 17
S 18	14 12 56	4°50'57	16°31	10°39	29°20	8° 3	16°49	21° 6	0°17	3°24	12°14	2°42	4°10	17°49	6°27	S 18
M19	14 16 52	5°48'58	0♋16	12° 7	0♊33	8°49	16°51	21° 2	0°19	3°25	12°12	2°44	4° 6	17°56	6°31	M19
T 20	14 20 49	6°46'57	14°10	13°37	1°46	9°34	16°52	20°58	0°20	3°27	12°10	2°45	4° 3	18° 3	6°35	T 20
W21	14 24 45	7°44'55	28°13	15° 9	2°59	10°20	16°54	20°53	0°22	3°28	12° 9	2°46	4° 0	18°10	6°40	W21
T 22	14 28 42	8°42'51	12♌23	16°42	4°12	11° 5	16°55	20°49	0°24	3°30	12° 7	2°R46	3°57	18°16	6°44	T 22
F 23	14 32 39	9°40'44	26°39	18°18	5°25	11°50	16°56	20°45	0°26	3°31	12° 5	2°45	3°54	18°23	6°48	F 23
S 24	14 36 35	10°38'36	10♍58	19°56	6°37	12°36	16°56	20°41	0°27	3°32	12° 4	2°44	3°51	18°30	6°52	S 24
S 25	14 40 32	11°36'26	25°16	21°36	7°50	13°21	16°57	20°36	0°29	3°34	12° 2	2°41	3°47	18°36	6°56	S 25
M26	14 44 28	12°34'14	9♎29	23°18	9° 3	14° 6	16°57	20°32	0°31	3°35	12° 0	2°38	3°44	18°43	7° 0	M26
T 27	14 48 25	13°32'01	23°33	25° 2	10°15	14°51	16°R57	20°27	0°32	3°37	11°59	2°36	3°41	18°50	7° 4	T 27
W28	14 52 21	14°29'46	7♏24	26°49	11°28	15°36	16°57	20°23	0°34	3°39	11°57	2°34	3°38	18°57	7° 8	W28
T 29	14 56 18	15°27'30	20°59	28°37	12°40	16°22	16°57	20°19	0°35	3°40	11°55	2°33	3°35	19° 3	7°12	T 29
F 30	15 0 14	16♑25'12	4♐15	0♑27	13♊53	17♓ 7	16♑57	20♏14	0♓36	3♋42	11♏54	2°D32	3♐31	19♒10	7♑16	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n13	17s27	1s49	4s51	1s50	14n22	0s 4	14s28	1s22	22s38	0s 3	16s 8	2n20	12s19	0s44	22n38	0s52	1s11	15n13	20s54	21s14	11s29	12n19	1s 5
F 2	7 35	20 0	0 38	4 42	1 59	14 48	0 1	14 13	1 22	22 37	0 3	16 7	2 20	12 19	0 44	22 38	0 52	1 11	15 13	20 54	21 13	11 27	12 20	1 5
S 3	7 58	21 24	0n33	4 32	2 7	15 13	0n 1	13 58	1 23	22 37	0 3	16 6	2 20	12 18	0 44	22 38	0 52	1 10	15 13	20 54	21 13	11 25	12 22	1 5
S 4	8 20	21 38	1 40	4 19	2 14	15 38	0 4	13 43	1 23	22 37	0 3	16 5	2 20	12 17	0 44	22 38	0 52	1 9	15 13	20 54	21 12	11 22	12 23	1 5
M 5	8 41	20 47	2 41	4 4	2 21	16 3	0 7	13 28	1 24	22 36	0 3	16 4	2 20	12 16	0 44	22 38	0 52	1 9	15 13	20 54	21 11	11 20	12 24	1 5
T 6	9 3	19 0	3 33	3 48	2 27	16 28	0 9	13 12	1 25	22 36	0 3	16 3	2 20	12 15	0 44	22 38	0 52	1 8	15 13	20 54	21 11	11 18	12 26	1 5
W 7	9 25	16 23	4 15	3 29	2 32	16 52	0 12	12 57	1 25	22 36	0 3	16 2	2 20	12 14	0 44	22 38	0 52	1 8	15 13	20 54	21 10	11 16	12 27	1 6
T 8	9 46	13 8	4 46	3 9	2 37	17 15	0 15	12 41	1 26	22 35	0 4	16 1	2 20	12 14	0 44	22 38	0 52	1 7	15 13	20 54	21 10	11 13	12 28	1 6
F 9	10 8	9 22	5 5	2 47	2 41	17 39	0 17	12 25	1 26	22 35	0 4	16 0	2 21	12 13	0 44	22 38	0 52	1 7	15 14	20 53	21 9	11 11	12 29	1 6
S 10	10 29	5 13	5 11	2 24	2 45	18 1	0 20	12 10	1 27	22 35	0 4	15 59	2 21	12 12	0 44	22 38	0 52	1 6	15 14	20 53	21 8	11 9	12 31	1 6
S 11	10 50	0 50	5 3	1 58	2 47	18 24	0 23	11 54	1 27	22 34	0 4	15 58	2 21	12 11	0 44	22 38	0 52	1 6	15 14	20 52	21 8	11 7	12 32	1 6
M12	11 11	3n40	4 41	1 32	2 49	18 45	0 25	11 37	1 28	22 34	0 4	15 57	2 21	12 11	0 44	22 38	0 52	1 5	15 14	20 50	21 7	11 4	12 33	1 6
T 13	11 31	8 5	4 6	1 4	2 51	19 7	0 28	11 21	1 28	22 34	0 4	15 56	2 21	12 10	0 44	22 38	0 52	1 5	15 14	20 49	21 7	11 2	12 35	1 6
W14	11 52	12 14	3 18	0 34	2 52	19 28	0 31	11 5	1 29	22 34	0 4	15 55	2 21	12 9	0 44	22 38	0 52	1 4	15 14	20 48	21 6	11 0	12 36	1 6
T 15	12 12	15 54	2 19	0 3	2 52	19 48	0 33	10 49	1 29	22 34	0 5	15 54	2 21	12 9	0 44	22 38	0 52	1 4	15 14	20 48	21 6	10 58	12 37	1 6
F 16	12 32	18 51	1 11	0n30	2 52	20 8	0 36	10 32	1 30	22 33	0 5	15 53	2 21	12 8	0 44	22 38	0 52	1 3	15 14	20 47	21 5	10 55	12 38	1 6
S 17	12 52	20 49	0s 1	1 3	2 51	20 27	0 39	10 16	1 30	22 33	0 5	15 51	2 21	12 7	0 44	22 38	0 52	1 3	15 14	20 47	21 4	10 53	12 40	1 6
S 18	13 11	21 36	1 15	1 38	2 49	20 46	0 41	9 59	1 31	22 33	0 5	15 50	2 21	12 7	0 44	22 38	0 52	1 2	15 14	20 47	21 4	10 51	12 41	1 6
M19	13 31	21 7	2 25	2 14	2 47	21 4	0 44	9 43	1 31	22 33	0 5	15 49	2 21	12 6	0 44	22 38	0 52	1 2	15 14	20 47	21 3	10 49	12 42	1 6
T 20	13 50	19 20	3 28	2 52	2 45	21 21	0 46	9 26	1 32	22 33	0 5	15 48	2 21	12 5	0 44	22 38	0 52	1 1	15 14	20 48	21 3	10 46	12 43	1 6
W21	14 9	16 22	4 19	3 30	2 42	21 38	0 49	9 9	1 32	22 33	0 5	15 47	2 21	12 5	0 44	22 38	0 52	1 1	15 14	20 48	21 2	10 44	12 45	1 7
T 22	14 28	12 26	4 55	4 10	2 38	21 55	0 51	8 52	1 33	22 33	0 6	15 46	2 21	12 4	0 44	22 38	0 52	1 0	15 14	20 48	21 1	10 42	12 46	1 7
F 23	14 46	7 47	5 13	4 50	2 34	22 11	0 54	8 35	1 33	22 33	0 6	15 45	2 21	12 3	0 44	22 38	0 52	1 0	15 14	20 48	21 1	10 40	12 47	1 7
S 24	15 5	2 41	5 11	5 32	2 29	22 26	0 57	8 18	1 34	22 33	0 6	15 44	2 21	12 3	0 44	22 38	0 52	0 59	15 14	20 47	21 0	10 37	12 49	1 7
S 25	15 23	2s33	4 50	6 14	2 23	22 40	0 59	8 1	1 34	22 33	0 6	15 42	2 21	12 2	0 44	22 38	0 52	0 59	15 14	20 47	21 0	10 35	12 50	1 7
M26	15 40	7 38	4 12	6 58	2 17	22 54	1 1	7 44	1 35	22 33	0 6	15 41	2 21	12 2	0 45	22 38	0 51	0 58	15 14	20 46	20 59	10 33	12 51	1 7
T 27	15 58	12 15	3 19	7 42	2 11	23 8	1 4	7 27	1 35	22 34	0 6	15 40	2 21	12 1	0 45	22 38	0 51	0 58	15 14	20 46	20 58	10 30	12 52	1 7
W28	16 15	16 9	2 14	8 27	2 4	23 20	1 6	7 10	1 35	22 34	0 6	15 39	2 21	12 1	0 45	22 38	0 51	0 58	15 14	20 45	20 58	10 28	12 54	1 7
T 29	16 32	19 5	1 3	9 12	1 57	23 32	1 9	6 52	1 36	22 34	0 7	15 38	2 21	12 0	0 45	22 38	0 51	0 57	15 14	20 45	20 57	10 26	12 55	1 7
F 30	16n49	20s55	0n 9	9n59	1s49	23n44	1n11	6s35	1s36	22s34	0s 7	15s37	2n21	12s 0	0s45	22n38	0s51	0s57	15n14	20s45	20s57	10s24	12n56	1s 7

Julian Day Number = 2177345.5, Delta T = 11m47s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'15, Lahiri = 13°23'16 Julian Calendar 1 Apr. 1249 == Greg. Calendar 8 Apr. 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

MAY 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 4 11	17♉22'53	17♐11	2♉19	15♊ 5	17♓52	16°R56	20°R10	0♓38	3♋43	11°R52	2♐33	3♐28	19♒17	7♉20	S 1
S 2	15 8 8	18°20'33	29°50	4°13	16°18	18°37	16♑56	20♏ 5	0°39	3°45	11♏50	2°34	3°25	19°24	7°25	S 2
M 3	15 12 4	19°18'12	12♑12	6°10	17°30	19°22	16°55	20° 1	0°40	3°47	11°49	2°35	3°22	19°30	7°29	M 3
T 4	15 16 1	20°15'49	24°21	8° 8	18°42	20° 7	16°53	19°56	0°42	3°49	11°47	2°36	3°19	19°37	7°33	T 4
W 5	15 19 57	21°13'26	6♒20	10° 8	19°54	20°52	16°52	19°52	0°43	3°50	11°45	2°37	3°16	19°44	7°37	W 5
T 6	15 23 54	22°11'01	18°14	12°10	21° 7	21°37	16°51	19°47	0°44	3°52	11°44	2°R37	3°12	19°50	7°41	T 6
F 7	15 27 50	23° 8'36	0♓ 8	14°14	22°19	22°22	16°49	19°43	0°45	3°54	11°42	2°37	3° 9	19°57	7°45	F 7
S 8	15 31 47	24° 6'10	12° 5	16°19	23°31	23° 6	16°47	19°39	0°46	3°56	11°41	2°37	3° 6	20° 4	7°49	S 8
S 9	15 35 43	25° 3'42	24°11	18°26	24°43	23°51	16°45	19°34	0°47	3°57	11°39	2°36	3° 3	20°11	7°53	S 9
M10	15 39 40	26° 1'14	6♈30	20°35	25°55	24°36	16°43	19°30	0°48	3°59	11°37	2°35	3° 0	20°17	7°57	M10
T 11	15 43 37	26°58'45	19° 3	22°44	27° 7	25°21	16°40	19°25	0°49	4° 1	11°36	2°35	2°57	20°24	8° 1	T 11
W12	15 47 33	27°56'15	1♉55	24°55	28°19	26° 5	16°38	19°21	0°50	4° 3	11°34	2°34	2°53	20°31	8° 5	W12
T 13	15 51 30	28°53'44	15° 5	27° 6	29°31	26°50	16°35	19°17	0°50	4° 5	11°32	2°34	2°50	20°37	8° 8	T 13
F 14	15 55 26	29°51'12	28°34	29°18	0♋43	27°34	16°32	19°12	0°51	4° 7	11°31	2°D33	2°47	20°44	8°12	F 14
S 15	15 59 23	0♊48'39	12♊19	1♊30	1°54	28°19	16°29	19° 8	0°52	4° 9	11°29	2°34	2°44	20°51	8°16	S 15
S 16	16 3 19	1°46'05	26°19	3°42	3° 6	29° 3	16°25	19° 4	0°53	4°11	11°28	2°34	2°41	20°58	8°20	S 16
M17	16 7 16	2°43'31	10♋30	5°53	4°18	29°48	16°22	18°59	0°53	4°12	11°26	2°R34	2°37	21° 4	8°24	M17
T 18	16 11 12	3°40'55	24°48	8° 4	5°29	0♈32	16°18	18°55	0°54	4°14	11°25	2°34	2°34	21°11	8°28	T 18
W19	16 15 9	4°38'18	9♌ 8	10°15	6°41	1°16	16°14	18°51	0°54	4°16	11°23	2°33	2°31	21°18	8°32	W19
T 20	16 19 6	5°35'39	23°27	12°24	7°53	2° 0	16°10	18°47	0°55	4°18	11°22	2°33	2°28	21°24	8°35	T 20
F 21	16 23 2	6°33'00	7♍42	14°32	9° 4	2°45	16° 6	18°43	0°55	4°20	11°20	2°D33	2°25	21°31	8°39	F 21
S 22	16 26 59	7°30'19	21°50	16°38	10°15	3°29	16° 2	18°38	0°55	4°22	11°19	2°33	2°22	21°38	8°43	S 22
S 23	16 30 55	8°27'38	5♎49	18°43	11°27	4°13	15°57	18°34	0°56	4°24	11°17	2°34	2°18	21°45	8°47	S 23
M24	16 34 52	9°24'55	19°38	20°45	12°38	4°57	15°52	18°30	0°56	4°27	11°16	2°34	2°15	21°51	8°50	M24
T 25	16 38 48	10°22'11	3♏15	22°46	13°49	5°41	15°47	18°26	0°56	4°29	11°15	2°35	2°12	21°58	8°54	T 25
W26	16 42 45	11°19'27	16°39	24°45	15° 0	6°24	15°42	18°22	0°56	4°31	11°13	2°35	2° 9	22° 5	8°58	W26
T 27	16 46 41	12°16'42	29°50	26°42	16°12	7° 8	15°37	18°19	0°57	4°33	11°12	2°R36	2° 6	22°12	9° 1	T 27
F 28	16 50 38	13°13'56	12♐46	28°36	17°23	7°52	15°32	18°15	0°57	4°35	11°10	2°36	2° 3	22°18	9° 5	F 28
S 29	16 54 35	14°11'10	25°29	0♋28	18°34	8°35	15°27	18°11	0°R57	4°37	11° 9	2°35	1°59	22°25	9° 8	S 29
S 30	16 58 31	15° 8'23	7♑58	2°18	19°45	9°19	15°21	18° 7	0°57	4°39	11° 8	2°34	1°56	22°32	9°12	S 30
M31	17 2 28	16♊ 5'36	20♑15	4♋ 6	20♋55	10♈ 3	15♑15	18♏ 4	0♓57	4♋41	11♏ 6	2♐32	1♐53	22♒38	9♉15	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	17n 5	21s35	1n20	10n45	1s41	23n55	1n13	6s18	1s37	22s34	0s 7	15s36	2n21	11s59	0s45	22n38	0s51	0s56	15n13	20s45	20s56	10s21	12n57	1s 7	S 1
S 2	17 21	21 7	2 25	11 32	1 32	24 5	1 15	6 0	1 37	22 35	0 7	15 34	2 21	11 59	0 45	22 38	0 51	0 56	15 13	20 45	20 55	10 19	12 59	1 8	S 2
M 3	17 37	19 37	3 22	12 20	1 23	24 14	1 18	5 43	1 37	22 35	0 7	15 33	2 21	11 59	0 45	22 38	0 51	0 56	15 13	20 46	20 55	10 17	13 0	1 8	M 3
T 4	17 53	17 15	4 9	13 7	1 13	24 23	1 20	5 26	1 38	22 35	0 7	15 32	2 21	11 58	0 45	22 38	0 51	0 55	15 13	20 46	20 54	10 15	13 1	1 8	T 4
W 5	18 8	14 11	4 44	13 55	1 4	24 31	1 22	5 8	1 38	22 35	0 8	15 31	2 21	11 58	0 45	22 38	0 51	0 55	15 13	20 46	20 54	10 12	13 2	1 8	W 5
T 6	18 23	10 33	5 7	14 42	0 54	24 38	1 24	4 51	1 38	22 36	0 8	15 30	2 21	11 57	0 45	22 38	0 51	0 55	15 13	20 46	20 53	10 10	13 3	1 8	T 6
F 7	18 38	6 32	5 16	15 29	0 43	24 45	1 26	4 33	1 39	22 36	0 8	15 29	2 21	11 57	0 45	22 38	0 51	0 54	15 13	20 46	20 52	10 8	13 5	1 8	F 7
S 8	18 52	2 15	5 12	16 16	0 33	24 50	1 28	4 16	1 39	22 37	0 8	15 28	2 21	11 57	0 45	22 38	0 51	0 54	15 12	20 46	20 52	10 6	13 6	1 8	S 8
S 9	19 6	2n11	4 54	17 2	0 22	24 56	1 30	3 58	1 39	22 37	0 8	15 26	2 21	11 56	0 45	22 37	0 51	0 54	15 12	20 46	20 51	10 3	13 7	1 8	S 9
M10	19 20	6 37	4 23	17 47	0 12	25 0	1 32	3 41	1 40	22 37	0 8	15 25	2 20	11 56	0 45	22 37	0 51	0 53	15 12	20 46	20 50	10 1	13 8	1 8	M10
T 11	19 34	10 51	3 38	18 31	0 1	25 4	1 34	3 23	1 40	22 38	0 8	15 24	2 20	11 56	0 45	22 37	0 51	0 53	15 12	20 46	20 50	9 59	13 9	1 8	T 11
W12	19 47	14 43	2 42	19 14	0n10	25 7	1 35	3 6	1 40	22 38	0 9	15 23	2 20	11 56	0 45	22 37	0 51	0 53	15 12	20 45	20 49	9 56	13 11	1 9	W12
T 13	20 0	17 57	1 35	19 55	0 20	25 9	1 37	2 48	1 41	22 39	0 9	15 22	2 20	11 55	0 45	22 37	0 51	0 53	15 11	20 45	20 49	9 54	13 12	1 9	T 13
F 14	20 12	20 17	0 22	20 34	0 30	25 11	1 39	2 31	1 41	22 39	0 9	15 21	2 20	11 55	0 45	22 37	0 51	0 52	15 11	20 45	20 48	9 52	13 13	1 9	F 14
S 15	20 24	21 28	0s54	21 12	0 40	25 11	1 40	2 13	1 41	22 40	0 9	15 20	2 20	11 55	0 45	22 37	0 51	0 52	15 11	20 45	20 47	9 50	13 14	1 9	S 15
S 16	20 36	21 21	2 8	21 48	0 50	25 12	1 42	1 56	1 41	22 40	0 9	15 19	2 20	11 55	0 45	22 37	0 51	0 52	15 11	20 45	20 47	9 47	13 15	1 9	S 16
M17	20 47	19 52	3 15	22 21	0 59	25 11	1 43	1 38	1 42	22 41	0 9	15 18	2 20	11 55	0 45	22 37	0 51	0 52	15 10	20 45	20 46	9 45	13 16	1 9	M17
T 18	20 58	17 8	4 11	22 52	1 8	25 10	1 45	1 21	1 42	22 42	0 10	15 17	2 20	11 54	0 45	22 37	0 51	0 52	15 10	20 45	20 46	9 43	13 17	1 9	T 18
W19	21 9	13 22	4 51	23 20	1 16	25 8	1 46	1 3	1 42	22 42	0 10	15 16	2 20	11 54	0 45	22 37	0 51	0 51	15 10	20 45	20 45	9 41	13 19	1 9	W19
T 20	21 19	8 50	5 13	23 45	1 24	25 5	1 47	0 46	1 42	22 43	0 10	15 15	2 19	11 54	0 45	22 37	0 51	0 51	15 10	20 45	20 44	9 38	13 20	1 9	T 20
F 21	21 29	3 50	5 16	24 8	1 31	25 1	1 48	0 28	1 42	22 44	0 10	15 14	2 19	11 54	0 45	22 37	0 51	0 51	15 9	20 45	20 44	9 36	13 21	1 9	F 21
S 22	21 39	1s20	4 59	24 28	1 37	24 57	1 49	0 11	1 43	22 44	0 10	15 13	2 19	11 54	0 46	22 37	0 51	0 51	15 9	20 45	20 43	9 34	13 22	1 10	S 22
S 23	21 48	6 23	4 25	24 46	1 43	24 52	1 50	0n 6	1 43	22 45	0 10	15 12	2 19	11 54	0 46	22 37	0 51	0 51	15 9	20 45	20 42	9 31	13 23	1 10	S 23
M24	21 57	11 3	3 36	25 0	1 48	24 47	1 51	0 24	1 43	22 46	0 11	15 11	2 19	11 54	0 46	22 37	0 51	0 51	15 9	20 45	20 42	9 29	13 24	1 10	M24
T 25	22 6	15 5	2 35	25 12	1 52	24 40	1 52	0 41	1 43	22 46	0 11	15 10	2 19	11 54	0 46	22 37	0 51	0 51	15 8	20 46	20 41	9 27	13 25	1 10	T 25
W26	22 14	18 16	1 27	25 21	1 56	24 33	1 53	0 58	1 43	22 47	0 11	15 9	2 19	11 54	0 46	22 37	0 51	0 50	15 8	20 46	20 40	9 25	13 26	1 10	W26
T 27	22 21	20 27	0 15	25 28	1 58	24 26	1 54	1 16	1 43	22 48	0 11	15 8	2 19	11 54	0 46	22 37	0 51	0 50	15 8	20 46	20 40	9 22	13 27	1 10	T 27
F 28	22 29	21 30	0n56	25 32	2 0	24 17	1 54	1 33	1 44	22 49	0 11	15 7	2 18	11 54	0 46	22 37	0 51	0 50	15 7	20 46	20 39	9 20	13 28	1 10	F 28
S 29	22 36	21 24	2 3	25 34	2 2	24 8	1 55	1 50	1 44	22 50	0 11	15 6	2 18	11 54	0 46	22 37	0 51	0 50	15 7	20 46	20 39	9 18	13 29	1 10	S 29
S 30	22 42	20 15	3 3	25 33	2 2	23 59	1 55	2 7	1 44	22 50	0 12	15 5	2 18	11 54	0 46	22 37	0 51	0 50	15 7	20 45	20 38	9 15	13 30	1 11	S 30
M31	22n48	18s 9	3n54	25n30	2n 2	23n48	1n56	2n24	1s44	22s51	0s12	15s 4	2n18	11s54	0s46	22n37	0s51	0s50	15n 6	20s45	20s37	9s13	13n31	1s11	M31

Julian Day Number = 2177375.5, Delta T = 11m47s
Ecliptic obliquity = 23°32'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'19, Lahiri = 13°23'20 Julian Calendar 1 May 1249 == Greg. Calendar 8 May 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

JUNE 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 6 24	17♊ 2'49	2♒21	5♋51	22♋ 6	10♈46	15°R10	18°R 0	0°R56	4♋43	11°R 5	2°R30	1♐50	22♒45	9♉19	T 1
W 2	17 10 21	18° 0'01	14°19	7°34	23°17	11°29	15♉ 4	17♏56	0♓56	4°46	11♏ 4	2♐28	1°47	22°52	9°22	W 2
T 3	17 14 17	18°57'13	26°13	9°14	24°28	12°13	14°57	17°53	0°56	4°48	11° 3	2°26	1°43	22°59	9°26	T 3
F 4	17 18 14	19°54'25	8♓ 6	10°52	25°38	12°56	14°51	17°49	0°56	4°50	11° 2	2°25	1°40	23° 5	9°29	F 4
S 5	17 22 10	20°51'36	20° 3	12°28	26°49	13°39	14°45	17°46	0°56	4°52	11° 0	2°D24	1°37	23°12	9°32	S 5
S 6	17 26 7	21°48'48	2♈ 8	14° 1	27°59	14°22	14°38	17°43	0°55	4°54	10°59	2°25	1°34	23°19	9°36	S 6
M 7	17 30 4	22°46'00	14°26	15°32	29°10	15° 5	14°32	17°40	0°55	4°56	10°58	2°26	1°31	23°25	9°39	M 7
T 8	17 34 0	23°43'11	27° 1	17° 1	0♌20	15°48	14°25	17°36	0°54	4°59	10°57	2°27	1°28	23°32	9°42	T 8
W 9	17 37 57	24°40'23	9♉57	18°27	1°30	16°31	14°18	17°33	0°54	5° 1	10°56	2°29	1°24	23°39	9°45	W 9
T 10	17 41 53	25°37'35	23°15	19°50	2°40	17°14	14°12	17°30	0°53	5° 3	10°55	2°30	1°21	23°46	9°49	T 10
F 11	17 45 50	26°34'47	6♊57	21°12	3°50	17°56	14° 5	17°27	0°53	5° 5	10°54	2°R30	1°18	23°52	9°52	F 11
S 12	17 49 46	27°31'59	21° 2	22°30	5° 0	18°39	13°58	17°24	0°52	5° 7	10°53	2°29	1°15	23°59	9°55	S 12
S 13	17 53 43	28°29'10	5♋26	23°46	6°10	19°22	13°50	17°22	0°51	5°10	10°52	2°27	1°12	24° 6	9°58	S 13
M14	17 57 39	29°26'22	20° 4	24°59	7°20	20° 4	13°43	17°19	0°51	5°12	10°51	2°23	1° 9	24°13	10° 1	M14
T 15	18 1 36	0♋23'34	4♌49	26°10	8°30	20°46	13°36	17°16	0°50	5°14	10°50	2°20	1° 5	24°19	10° 4	T 15
W16	18 5 33	1°20'45	19°32	27°17	9°40	21°28	13°29	17°14	0°49	5°16	10°49	2°16	1° 2	24°26	10° 7	W16
T 17	18 9 29	2°17'56	4♍ 9	28°22	10°49	22°11	13°21	17°11	0°48	5°19	10°48	2°13	0°59	24°33	10°10	T 17
F 18	18 13 26	3°15'07	18°33	29°24	11°59	22°53	13°14	17° 9	0°47	5°21	10°47	2°11	0°56	24°39	10°13	F 18
S 19	18 17 22	4°12'18	2♎41	0♌23	13° 8	23°34	13° 6	17° 6	0°46	5°23	10°46	2°D10	0°53	24°46	10°15	S 19
S 20	18 21 19	5° 9'28	16°32	1°19	14°18	24°16	12°59	17° 4	0°45	5°25	10°46	2°10	0°49	24°53	10°18	S 20
M21	18 25 15	6° 6'39	0♏ 5	2°11	15°27	24°58	12°51	17° 2	0°44	5°27	10°45	2°12	0°46	25° 0	10°21	M21
T 22	18 29 12	7° 3'49	13°22	3° 0	16°36	25°40	12°43	17° 0	0°43	5°30	10°44	2°13	0°43	25° 6	10°24	T 22
W23	18 33 8	8° 0'59	26°24	3°46	17°45	26°21	12°36	16°58	0°42	5°32	10°43	2°R14	0°40	25°13	10°26	W23
T 24	18 37 5	8°58'10	9♐13	4°27	18°54	27° 3	12°28	16°56	0°41	5°34	10°43	2°14	0°37	25°20	10°29	T 24
F 25	18 41 2	9°55'21	21°50	5° 5	20° 3	27°44	12°20	16°54	0°40	5°36	10°42	2°12	0°34	25°27	10°31	F 25
S 26	18 44 58	10°52'32	4♑16	5°40	21°12	28°25	12°13	16°52	0°38	5°39	10°42	2° 9	0°30	25°33	10°34	S 26
S 27	18 48 55	11°49'43	16°33	6°10	22°20	29° 6	12° 5	16°51	0°37	5°41	10°41	2° 4	0°27	25°40	10°36	S 27
M28	18 52 51	12°46'55	28°41	6°36	23°29	29°47	11°57	16°49	0°36	5°43	10°40	1°57	0°24	25°47	10°39	M28
T 29	18 56 48	13°44'07	10♒42	6°57	24°37	0♉28	11°49	16°48	0°34	5°45	10°40	1°49	0°21	25°53	10°41	T 29
W30	19 0 44	14♋41'20	22♒37	7♌14	25♌45	1♉ 9	11♑42	16♏46	0♓33	5♋47	10♏39	1♐42	0♐18	26♒ 0	10♉43	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n54	15s17	4n33	25n25	2n 1	23n37	1n56	2n41	1s44	22s52	0s12	15s 3	2n18	11s54	0s46	22n37	0s51	0s50	15n 6	20s45	20s37	9s11	13n32	1s11
W 2	22 59	11 49	5 0	25 18	1 59	23 26	1 56	2 58	1 44	22 53	0 12	15 3	2 18	11 54	0 46	22 36	0 51	0 50	15 5	20 44	20 36	9 9	13 33	1 11
T 3	23 4	7 55	5 14	25 10	1 57	23 13	1 56	3 15	1 44	22 54	0 12	15 2	2 17	11 54	0 46	22 36	0 51	0 50	15 5	20 44	20 35	9 6	13 34	1 11
F 4	23 9	3 43	5 14	24 59	1 54	23 0	1 56	3 32	1 44	22 55	0 12	15 1	2 17	11 54	0 46	22 36	0 51	0 50	15 5	20 44	20 35	9 4	13 35	1 11
S 5	23 13	0n39	5 1	24 47	1 51	22 47	1 56	3 49	1 44	22 55	0 13	15 0	2 17	11 54	0 46	22 36	0 50	0 50	15 4	20 44	20 34	9 2	13 36	1 11
S 6	23 17	5 2	4 34	24 33	1 46	22 33	1 56	4 5	1 44	22 56	0 13	15 0	2 17	11 55	0 46	22 36	0 50	0 50	15 4	20 44	20 33	8 59	13 37	1 11
M 7	23 20	9 19	3 55	24 18	1 41	22 18	1 56	4 22	1 44	22 57	0 13	14 59	2 17	11 55	0 46	22 36	0 50	0 50	15 3	20 44	20 33	8 57	13 38	1 12
T 8	23 23	13 18	3 3	24 2	1 36	22 3	1 56	4 38	1 44	22 58	0 13	14 58	2 16	11 55	0 46	22 36	0 50	0 50	15 3	20 44	20 32	8 55	13 39	1 12
W 9	23 26	16 46	2 1	23 44	1 30	21 47	1 55	4 55	1 44	22 59	0 13	14 57	2 16	11 55	0 46	22 36	0 50	0 50	15 3	20 44	20 31	8 52	13 40	1 12
T 10	23 28	19 29	0 51	23 26	1 23	21 30	1 55	5 11	1 44	23 0	0 13	14 57	2 16	11 55	0 46	22 36	0 50	0 51	15 2	20 45	20 31	8 50	13 40	1 12
F 11	23 29	21 9	0s24	23 6	1 16	21 13	1 54	5 28	1 44	23 1	0 14	14 56	2 16	11 56	0 46	22 36	0 50	0 51	15 2	20 45	20 30	8 48	13 41	1 12
S 12	23 31	21 34	1 40	22 46	1 8	20 56	1 54	5 44	1 44	23 2	0 14	14 56	2 16	11 56	0 46	22 36	0 50	0 51	15 1	20 44	20 30	8 46	13 42	1 12
S 13	23 32	20 35	2 51	22 25	1 0	20 37	1 53	6 0	1 44	23 3	0 14	14 55	2 15	11 56	0 46	22 36	0 50	0 51	15 1	20 44	20 29	8 43	13 43	1 12
M14	23 32	18 12	3 52	22 3	0 51	20 19	1 52	6 16	1 44	23 3	0 14	14 54	2 15	11 56	0 46	22 36	0 50	0 51	15 0	20 43	20 28	8 41	13 44	1 13
T 15	23 32	14 39	4 38	21 41	0 41	20 0	1 51	6 32	1 44	23 4	0 14	14 54	2 15	11 57	0 46	22 36	0 50	0 51	15 0	20 43	20 28	8 39	13 45	1 13
W16	23 32	10 11	5 5	21 18	0 31	19 40	1 50	6 48	1 44	23 5	0 14	14 53	2 15	11 57	0 46	22 35	0 50	0 51	15 0	20 42	20 27	8 36	13 45	1 13
T 17	23 31	5 10	5 12	20 55	0 21	19 20	1 49	7 4	1 44	23 6	0 14	14 53	2 15	11 57	0 47	22 35	0 50	0 52	14 59	20 41	20 26	8 34	13 46	1 13
F 18	23 30	0s 3	5 0	20 31	0 10	18 59	1 47	7 20	1 44	23 7	0 15	14 52	2 14	11 58	0 47	22 35	0 50	0 52	14 59	20 41	20 26	8 32	13 47	1 13
S 19	23 28	5 11	4 30	20 8	0s 1	18 38	1 46	7 35	1 44	23 8	0 15	14 52	2 14	11 58	0 47	22 35	0 50	0 52	14 58	20 41	20 25	8 30	13 48	1 13
S 20	23 26	9 58	3 44	19 44	0 13	18 16	1 45	7 51	1 43	23 9	0 15	14 51	2 14	11 59	0 47	22 35	0 50	0 52	14 58	20 41	20 24	8 27	13 48	1 13
M21	23 24	14 8	2 46	19 21	0 25	17 54	1 43	8 6	1 43	23 10	0 15	14 51	2 14	11 59	0 47	22 35	0 50	0 52	14 57	20 41	20 24	8 25	13 49	1 14
T 22	23 21	17 31	1 41	18 57	0 38	17 32	1 41	8 21	1 43	23 11	0 15	14 51	2 14	11 59	0 47	22 35	0 50	0 53	14 57	20 41	20 23	8 23	13 50	1 14
W23	23 17	19 56	0 32	18 34	0 51	17 9	1 40	8 37	1 43	23 11	0 15	14 50	2 13	12 0	0 47	22 35	0 50	0 53	14 56	20 41	20 22	8 20	13 51	1 14
T 24	23 14	21 18	0n38	18 11	1 4	16 46	1 38	8 52	1 43	23 12	0 16	14 50	2 13	12 0	0 47	22 35	0 50	0 53	14 56	20 41	20 22	8 18	13 51	1 14
F 25	23 10	21 33	1 45	17 49	1 17	16 22	1 36	9 7	1 43	23 13	0 16	14 50	2 13	12 1	0 47	22 35	0 50	0 54	14 55	20 41	20 21	8 16	13 52	1 14
S 26	23 5	20 43	2 45	17 28	1 31	15 58	1 34	9 22	1 42	23 14	0 16	14 49	2 13	12 1	0 47	22 35	0 50	0 54	14 55	20 40	20 20	8 13	13 53	1 14
S 27	23 0	18 55	3 37	17 7	1 45	15 34	1 31	9 36	1 42	23 15	0 16	14 49	2 12	12 2	0 47	22 35	0 50	0 54	14 54	20 39	20 20	8 11	13 53	1 14
M28	22 55	16 17	4 18	16 47	1 59	15 9	1 29	9 51	1 42	23 16	0 16	14 49	2 12	12 2	0 47	22 34	0 50	0 54	14 54	20 38	20 19	8 9	13 54	1 15
T 29	22 49	13 0	4 48	16 28	2 13	14 44	1 27	10 6	1 42	23 17	0 16	14 49	2 12	12 3	0 47	22 34	0 50	0 55	14 53	20 37	20 18	8 7	13 54	1 15
W30	22n43	9s14	5n 4	16n10	2s27	14n18	1n24	10n20	1s41	23s17	0s16	14s49	2n12	12s 3	0s47	22n34	0s50	0s55	14n53	20s35	20s18	8s 4	13n55	1s15

Julian Day Number = 2177406.5, Delta T = 11m47s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'24, Lahiri = 13°23'24 Julian Calendar 1 June 1249 == Greg. Calendar 8 June 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

JULY 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 4 41	15♋38'33	4♓30	7♌26	26♌54	1♉49	11°R34	16°R45	0°R32	5♋50	10°R39	1°R35	0♐15	26♒ 7	10♉46	T 1
F 2	19 8 38	16°35'47	16°22	7°34	28° 2	2°30	11♑26	16♏44	0♓30	5°52	10♏38	1♐29	0°11	26°14	10°48	F 2
S 3	19 12 34	17°33'02	28°18	7°R36	29°10	3°10	11°19	16°43	0°29	5°54	10°38	1°25	0° 8	26°20	10°50	S 3
S 4	19 16 31	18°30'18	10♈21	7°34	0♍17	3°51	11°11	16°42	0°27	5°56	10°38	1°23	0° 5	26°27	10°52	S 4
M 5	19 20 27	19°27'34	22°36	7°27	1°25	4°31	11° 3	16°41	0°25	5°58	10°37	1°D23	0° 2	26°34	10°54	M 5
T 6	19 24 24	20°24'52	5♉ 8	7°15	2°33	5°11	10°56	16°40	0°24	6° 1	10°37	1°24	29♏59	26°40	10°56	T 6
W 7	19 28 20	21°22'10	18° 1	6°58	3°40	5°51	10°48	16°39	0°22	6° 3	10°37	1°25	29°55	26°47	10°58	W 7
T 8	19 32 17	22°19'30	1♊19	6°36	4°47	6°30	10°41	16°39	0°20	6° 5	10°37	1°R25	29°52	26°54	11° 0	T 8
F 9	19 36 13	23°16'50	15° 5	6° 9	5°55	7°10	10°34	16°38	0°19	6° 7	10°36	1°25	29°49	27° 1	11° 2	F 9
S 10	19 40 10	24°14'12	29°18	5°38	7° 2	7°50	10°26	16°38	0°17	6° 9	10°36	1°22	29°46	27° 7	11° 4	S 10
S 11	19 44 7	25°11'35	13♋57	5° 4	8° 9	8°29	10°19	16°37	0°15	6°11	10°36	1°17	29°43	27°14	11° 6	S 11
M12	19 48 3	26° 8'58	28°53	4°26	9°15	9° 8	10°12	16°37	0°13	6°14	10°36	1°10	29°40	27°21	11° 7	M12
T 13	19 52 0	27° 6'22	14♌ 0	3°44	10°22	9°47	10° 5	16°37	0°11	6°16	10°36	1° 2	29°36	27°28	11° 9	T 13
W14	19 55 56	28° 3'47	29° 7	3° 1	11°28	10°26	9°58	16°D37	0° 9	6°18	10°D36	0°53	29°33	27°34	11°11	W14
T 15	19 59 53	29° 1'13	14♍ 3	2°16	12°35	11° 5	9°51	16°37	0° 8	6°20	10°36	0°46	29°30	27°41	11°12	T 15
F 16	20 3 49	29°58'39	28°43	1°30	13°41	11°43	9°44	16°37	0° 6	6°22	10°36	0°40	29°27	27°48	11°14	F 16
S 17	20 7 46	0♌56'06	12♎59	0°44	14°47	12°22	9°37	16°37	0° 4	6°24	10°36	0°37	29°24	27°54	11°15	S 17
S 18	20 11 42	1°53'34	26°52	29♋59	15°53	13° 0	9°30	16°38	0° 2	6°26	10°36	0°D35	29°20	28° 1	11°16	S 18
M19	20 15 39	2°51'03	10♏20	29°15	16°58	13°38	9°24	16°38	29♒59	6°28	10°36	0°35	29°17	28° 8	11°18	M19
T 20	20 19 36	3°48'32	23°27	28°34	18° 4	14°16	9°17	16°39	29°58	6°30	10°37	0°36	29°14	28°15	11°19	T 20
W21	20 23 32	4°46'03	6♐16	27°56	19° 9	14°54	9°11	16°39	29°55	6°32	10°37	0°R36	29°11	28°21	11°20	W21
T 22	20 27 29	5°43'34	18°49	27°23	20°14	15°32	9° 5	16°40	29°53	6°34	10°37	0°35	29° 8	28°28	11°21	T 22
F 23	20 31 25	6°41'06	1♑11	26°54	21°19	16° 9	8°59	16°41	29°51	6°36	10°37	0°31	29° 5	28°35	11°22	F 23
S 24	20 35 22	7°38'39	13°24	26°31	22°24	16°47	8°53	16°42	29°49	6°38	10°38	0°24	29° 1	28°42	11°23	S 24
S 25	20 39 18	8°36'14	25°29	26°13	23°28	17°24	8°47	16°43	29°47	6°40	10°38	0°15	28°58	28°48	11°24	S 25
M26	20 43 15	9°33'49	7♒29	26° 2	24°32	18° 1	8°41	16°44	29°45	6°42	10°38	0° 4	28°55	28°55	11°25	M26
T 27	20 47 11	10°31'26	19°25	25°D58	25°36	18°37	8°36	16°45	29°43	6°44	10°39	29♏51	28°52	29° 2	11°26	T 27
W28	20 51 8	11°29'04	1♓18	26° 1	26°40	19°14	8°30	16°47	29°40	6°46	10°39	29°38	28°49	29° 8	11°27	W28
T 29	20 55 5	12°26'43	13°10	26°11	27°44	19°50	8°25	16°48	29°38	6°48	10°40	29°26	28°46	29°15	11°28	T 29
F 30	20 59 1	13°24'24	25° 3	26°29	28°47	20°27	8°20	16°49	29°36	6°50	10°40	29°16	28°42	29°22	11°28	F 30
S 31	21 2 58	14♌22'06	6♈59	26♋54	29♍50	21♉ 3	8♑15	16♏51	29♒33	6♋52	10♏41	29♏ 8	28♏39	29♒29	11♉29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n37	5s 7	5n 8	15n53	2s41	13n53	1n22	10n34	1s41	23s18	0s17	14s49	2n11	12s 4	0s47	22n34	0s50	0s56	14n52	20s34	20s17	8s 2	13n56	1s15	
F 2	22 30	0 49	4 58	15 38	2 55	13 27	1 19	10 49	1 41	23 19	0 17	14 48	2 11	12 4	0 47	22 34	0 50	0 56	14 52	20 32	20 16	8 0	13 56	1 15	
S 3	22 23	3n32	4 35	15 24	3 9	13 0	1 16	11 3	1 41	23 20	0 17	14 48	2 11	12 5	0 47	22 34	0 50	0 56	14 51	20 32	20 16	7 57	13 57	1 15	
S 4	22 15	7 47	4 0	15 11	3 22	12 33	1 13	11 17	1 40	23 21	0 17	14 48	2 11	12 6	0 47	22 34	0 50	0 57	14 51	20 31	20 15	7 55	13 57	1 15	
M 5	22 7	11 49	3 14	15 1	3 35	12 7	1 10	11 30	1 40	23 21	0 17	14 48	2 10	12 6	0 47	22 34	0 50	0 57	14 50	20 31	20 14	7 53	13 58	1 16	
T 6	21 59	15 26	2 17	14 52	3 48	11 39	1 7	11 44	1 40	23 22	0 17	14 48	2 10	12 7	0 47	22 34	0 50	0 58	14 49	20 31	20 14	7 50	13 58	1 16	
W 7	21 50	18 25	1 12	14 44	4 0	11 12	1 4	11 58	1 39	23 23	0 17	14 48	2 10	12 7	0 47	22 34	0 50	0 58	14 49	20 32	20 13	7 48	13 59	1 16	
T 8	21 41	20 31	0 1	14 39	4 11	10 44	1 1	12 11	1 39	23 24	0 18	14 48	2 10	12 8	0 47	22 34	0 50	0 58	14 48	20 32	20 12	7 46	13 59	1 16	
F 9	21 31	21 29	1s13	14 36	4 21	10 16	0 58	12 24	1 39	23 24	0 18	14 49	2 9	12 9	0 47	22 33	0 50	0 59	14 48	20 32	20 12	7 44	13 59	1 16	
S 10	21 21	21 8	2 24	14 35	4 30	9 48	0 54	12 38	1 38	23 25	0 18	14 49	2 9	12 9	0 47	22 33	0 50	0 59	14 47	20 31	20 11	7 41	14 0	1 16	
S 11	21 11	19 22	3 28	14 36	4 37	9 20	0 50	12 51	1 38	23 26	0 18	14 49	2 9	12 10	0 47	22 33	0 50	1 0	14 47	20 30	20 10	7 39	14 0	1 17	
M12	21 0	16 15	4 18	14 38	4 43	8 51	0 47	13 4	1 37	23 26	0 18	14 49	2 9	12 11	0 47	22 33	0 50	1 0	14 46	20 28	20 10	7 37	14 1	1 17	
T 13	20 49	12 2	4 52	14 43	4 48	8 22	0 43	13 16	1 37	23 27	0 18	14 49	2 8	12 11	0 47	22 33	0 50	1 1	14 46	20 27	20 9	7 34	14 1	1 17	
W14	20 38	7 4	5 5	14 50	4 51	7 54	0 39	13 29	1 37	23 28	0 18	14 49	2 8	12 12	0 47	22 33	0 50	1 1	14 45	20 25	20 8	7 32	14 1	1 17	
T 15	20 26	1 44	4 57	14 59	4 53	7 25	0 35	13 41	1 36	23 28	0 18	14 50	2 8	12 13	0 47	22 33	0 50	1 2	14 45	20 24	20 7	7 30	14 2	1 17	
F 16	20 14	3s36	4 29	15 9	4 52	6 55	0 31	13 54	1 36	23 29	0 19	14 50	2 8	12 13	0 47	22 33	0 50	1 2	14 44	20 22	20 7	7 27	14 2	1 17	
S 17	20 2	8 37	3 46	15 21	4 50	6 26	0 27	14 6	1 35	23 30	0 19	14 50	2 7	12 14	0 47	22 33	0 50	1 3	14 43	20 22	20 6	7 25	14 2	1 18	
S 18	19 49	13 2	2 50	15 35	4 46	5 57	0 23	14 18	1 35	23 30	0 19	14 51	2 7	12 15	0 47	22 33	0 50	1 4	14 43	20 21	20 5	7 23	14 2	1 18	
M19	19 36	16 39	1 46	15 49	4 40	5 27	0 19	14 30	1 34	23 31	0 19	14 51	2 7	12 16	0 47	22 32	0 50	1 4	14 42	20 21	20 5	7 20	14 3	1 18	
T 20	19 23	19 19	0 38	16 5	4 32	4 57	0 14	14 42	1 34	23 31	0 19	14 51	2 7	12 16	0 47	22 32	0 50	1 5	14 42	20 22	20 4	7 18	14 3	1 18	
W21	19 9	20 57	0n30	16 21	4 23	4 27	0 10	14 53	1 33	23 32	0 19	14 52	2 6	12 17	0 47	22 32	0 50	1 5	14 41	20 22	20 3	7 16	14 3	1 18	
T 22	18 55	21 29	1 35	16 38	4 12	3 58	0 5	15 5	1 33	23 33	0 19	14 52	2 6	12 18	0 48	22 32	0 50	1 6	14 41	20 21	20 3	7 14	14 3	1 18	
F 23	18 41	20 57	2 35	16 56	4 0	3 28	0 0	15 16	1 32	23 33	0 19	14 53	2 6	12 19	0 48	22 32	0 50	1 7	14 40	20 20	20 2	7 11	14 3	1 19	
S 24	18 26	19 26	3 27	17 13	3 47	2 58	0s 4	15 27	1 31	23 34	0 19	14 53	2 6	12 19	0 48	22 32	0 50	1 7	14 40	20 19	20 1	7 9	14 4	1 19	
S 25	18 11	17 4	4 8	17 31	3 33	2 28	0 9	15 38	1 31	23 34	0 20	14 54	2 5	12 20	0 48	22 32	0 50	1 8	14 39	20 17	20 1	7 7	14 4	1 19	
M26	17 56	13 59	4 38	17 48	3 17	1 58	0 14	15 49	1 30	23 35	0 20	14 54	2 5	12 21	0 48	22 32	0 50	1 8	14 38	20 15	20 0	7 4	14 4	1 19	
T 27	17 40	10 22	4 56	18 4	3 1	1 28	0 19	16 0	1 30	23 35	0 20	14 55	2 5	12 22	0 48	22 32	0 50	1 9	14 38	20 12	19 59	7 2	14 4	1 19	
W28	17 24	6 22	5 1	18 20	2 45	0 58	0 24	16 11	1 29	23 35	0 20	14 56	2 5	12 23	0 48	22 32	0 50	1 10	14 37	20 9	19 58	7 0	14 4	1 19	
T 29	17 8	2 8	4 53	18 35	2 28	0 27	0 29	16 21	1 28	23 36	0 20	14 56	2 4	12 23	0 48	22 31	0 50	1 10	14 37	20 7	19 58	6 57	14 4	1 20	
F 30	16 52	2n11	4 32	18 48	2 11	0s 3	0 35	16 31	1 28	23 36	0 20	14 57	2 4	12 24	0 48	22 31	0 50	1 11	14 36	20 4	19 57	6 55	14 4	1 20	
S 31	16n35	6n26	3n59	19n 0	1s53	0s33	0s40	16n42	1s27	23s37	0s20	14s58	2n 4	12s25	0s48	22n31	0s50	1s12	14n36	20s 3	19s56	6s53	14n 4	1s20	

Julian Day Number = 2177436.5, Delta T = 11m47s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'28, Lahiri = 13°23'28 Julian Calendar 1 July 1249 == Greg. Calendar 8 July 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

AUGUST 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 54	15♌19'50	19♈ 2	27♋27	0♎53	21♉39	8°R10	16♏53	29°R31	6♋53	10♏41	29°R 3	28♏36	29♒35	11♉29	S 1
M 2	21 10 51	16°17'36	1♉16	28° 6	1°55	22°14	8♊ 6	16°54	29♒29	6°55	10°42	29♏ 0	28°33	29°42	11°30	M 2
T 3	21 14 47	17°15'23	13°44	28°53	2°58	22°50	8° 1	16°56	29°27	6°57	10°43	28°D59	28°30	29°49	11°30	T 3
W 4	21 18 44	18°13'12	26°33	29°47	4° 0	23°25	7°57	16°58	29°24	6°59	10°43	29°R 0	28°26	29°55	11°31	W 4
T 5	21 22 40	19°11'03	9♊46	0♌48	5° 1	24° 0	7°53	17° 0	29°22	7° 1	10°44	28°59	28°23	0♓ 2	11°31	T 5
F 6	21 26 37	20° 8'56	23°27	1°56	6° 3	24°35	7°49	17° 3	29°20	7° 2	10°45	28°58	28°20	0° 9	11°31	F 6
S 7	21 30 34	21° 6'51	7♋37	3° 9	7° 4	25° 9	7°45	17° 5	29°17	7° 4	10°46	28°54	28°17	0°16	11°31	S 7
S 8	21 34 30	22° 4'47	22°15	4°29	8° 5	25°44	7°41	17° 7	29°15	7° 6	10°46	28°47	28°14	0°22	11°31	S 8
M 9	21 38 27	23° 2'45	7♌16	5°54	9° 6	26°18	7°38	17°10	29°12	7° 7	10°47	28°38	28°11	0°29	11°R31	M 9
T 10	21 42 23	24° 0'45	22°32	7°24	10° 6	26°52	7°35	17°12	29°10	7° 9	10°48	28°27	28° 7	0°36	11°31	T 10
W11	21 46 20	24°58'46	7♍51	8°58	11° 6	27°26	7°32	17°15	29° 8	7°11	10°49	28°16	28° 4	0°43	11°31	W11
T 12	21 50 16	25°56'49	23° 3	10°37	12° 5	27°59	7°29	17°17	29° 5	7°12	10°50	28° 6	28° 1	0°49	11°31	T 12
F 13	21 54 13	26°54'54	7♎56	12°19	13° 5	28°32	7°26	17°20	29° 3	7°14	10°51	27°58	27°58	0°56	11°31	F 13
S 14	21 58 9	27°52'59	22°25	14° 5	14° 4	29° 5	7°23	17°23	29° 1	7°15	10°52	27°53	27°55	1° 3	11°31	S 14
S 15	22 2 6	28°51'07	6♏25	15°53	15° 2	29°38	7°21	17°26	28°58	7°17	10°53	27°50	27°52	1° 9	11°30	S 15
M16	22 6 2	29°49'16	19°58	17°43	16° 0	0♊10	7°19	17°29	28°56	7°19	10°54	27°49	27°48	1°16	11°30	M16
T 17	22 9 59	0♐47'26	3♐ 4	19°35	16°58	0°42	7°17	17°32	28°53	7°20	10°55	27°49	27°45	1°23	11°30	T 17
W18	22 13 56	1°45'38	15°49	21°28	17°55	1°14	7°15	17°35	28°51	7°22	10°56	27°49	27°42	1°30	11°29	W18
T 19	22 17 52	2°43'51	28°16	23°22	18°52	1°46	7°13	17°39	28°49	7°23	10°57	27°47	27°39	1°36	11°29	T 19
F 20	22 21 49	3°42'06	10♑29	25°17	19°48	2°17	7°12	17°42	28°46	7°24	10°59	27°42	27°36	1°43	11°28	F 20
S 21	22 25 45	4°40'23	22°34	27°13	20°44	2°48	7°11	17°45	28°44	7°26	11° 0	27°35	27°32	1°50	11°27	S 21
S 22	22 29 42	5°38'41	4♒32	29° 8	21°39	3°19	7°10	17°49	28°41	7°27	11° 1	27°25	27°29	1°57	11°26	S 22
M23	22 33 38	6°37'00	16°26	1♍ 3	22°34	3°49	7° 9	17°53	28°39	7°28	11° 2	27°13	27°26	2° 3	11°26	M23
T 24	22 37 35	7°35'22	28°19	2°58	23°29	4°19	7° 8	17°56	28°37	7°30	11° 4	27° 0	27°23	2°10	11°25	T 24
W25	22 41 31	8°33'45	10♓12	4°53	24°22	4°49	7° 8	18° 0	28°34	7°31	11° 5	26°46	27°20	2°17	11°24	W25
T 26	22 45 28	9°32'11	22° 6	6°47	25°16	5°19	7° 8	18° 4	28°32	7°32	11° 7	26°33	27°17	2°23	11°23	T 26
F 27	22 49 25	10°30'38	4♈ 3	8°40	26° 8	5°48	7°D 8	18° 8	28°30	7°34	11° 8	26°21	27°13	2°30	11°22	F 27
S 28	22 53 21	11°29'07	16° 4	10°32	27° 0	6°17	7° 8	18°12	28°27	7°35	11° 9	26°13	27°10	2°37	11°21	S 28
S 29	22 57 18	12°27'38	28°12	12°24	27°52	6°46	7° 8	18°16	28°25	7°36	11°11	26° 7	27° 7	2°44	11°20	S 29
M30	23 1 14	13°26'12	10♉30	14°14	28°42	7°14	7° 9	18°20	28°23	7°37	11°12	26° 4	27° 4	2°50	11°18	M30
T 31	23 5 11	14♍24'47	23♉ 0	16♍ 4	29♎32	7♊42	7♊ 9	18♏24	28♒20	7♋38	11♏14	26°D 3	27♏ 1	2♓57	11♉17	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n18	10n29	3n15	19n11	1s36	1s 3	0s45	16n52	1s26	23s37	0s20	14s58	2n 4	12s26	0s48	22n31	0s50	1s12	14n35	20s 2	19s56	6s50	14n 4	1s20
M 2	16 1	14 10	2 21	19 20	1 19	1 33	0 51	17 1	1 26	23 38	0 20	14 59	2 3	12 27	0 48	22 31	0 50	1 13	14 35	20 1	19 55	6 48	14 4	1 20
T 3	15 44	17 18	1 20	19 27	1 3	2 3	0 56	17 11	1 25	23 38	0 20	15 0	2 3	12 27	0 48	22 31	0 50	1 14	14 34	20 1	19 54	6 46	14 4	1 20
W 4	15 26	19 40	0 13	19 31	0 46	2 33	1 2	17 21	1 24	23 38	0 21	15 1	2 3	12 28	0 48	22 31	0 50	1 15	14 33	20 1	19 54	6 44	14 4	1 21
T 5	15 8	21 4	0s57	19 34	0 30	3 2	1 8	17 30	1 23	23 39	0 21	15 1	2 3	12 29	0 48	22 31	0 50	1 15	14 33	20 1	19 53	6 41	14 4	1 21
F 6	14 50	21 17	2 5	19 34	0 15	3 32	1 14	17 39	1 23	23 39	0 21	15 2	2 2	12 30	0 48	22 31	0 50	1 16	14 32	20 0	19 52	6 39	14 4	1 21
S 7	14 31	20 10	3 9	19 31	0 1	4 2	1 19	17 48	1 22	23 39	0 21	15 3	2 2	12 31	0 48	22 31	0 50	1 17	14 32	20 0	19 51	6 37	14 4	1 21
S 8	14 12	17 43	4 2	19 26	0n13	4 31	1 25	17 57	1 21	23 40	0 21	15 4	2 2	12 32	0 48	22 30	0 50	1 18	14 31	19 58	19 51	6 34	14 4	1 21
M 9	13 53	14 1	4 40	19 17	0 26	5 1	1 31	18 6	1 20	23 40	0 21	15 5	2 2	12 32	0 48	22 30	0 50	1 18	14 31	19 56	19 50	6 32	14 3	1 22
T 10	13 34	9 21	4 59	19 6	0 38	5 30	1 37	18 15	1 19	23 40	0 21	15 6	2 1	12 33	0 48	22 30	0 50	1 19	14 30	19 54	19 49	6 30	14 3	1 22
W11	13 15	4 5	4 56	18 52	0 49	5 59	1 43	18 23	1 19	23 40	0 21	15 7	2 1	12 34	0 48	22 30	0 50	1 20	14 30	19 51	19 49	6 27	14 3	1 22
T 12	12 55	1s24	4 33	18 35	0 59	6 29	1 49	18 32	1 18	23 41	0 21	15 8	2 1	12 35	0 48	22 30	0 50	1 21	14 29	19 49	19 48	6 25	14 3	1 22
F 13	12 35	6 42	3 51	18 16	1 8	6 57	1 56	18 40	1 17	23 41	0 21	15 9	2 1	12 36	0 48	22 30	0 50	1 22	14 29	19 47	19 47	6 23	14 3	1 22
S 14	12 15	11 28	2 55	17 53	1 16	7 26	2 2	18 48	1 16	23 41	0 21	15 10	2 0	12 37	0 48	22 30	0 50	1 22	14 28	19 46	19 46	6 20	14 2	1 22
S 15	11 55	15 27	1 51	17 28	1 23	7 55	2 8	18 56	1 15	23 41	0 21	15 11	2 0	12 37	0 48	22 30	0 50	1 23	14 28	19 45	19 46	6 18	14 2	1 23
M16	11 35	18 28	0 41	17 0	1 30	8 23	2 14	19 4	1 14	23 41	0 22	15 12	2 0	12 38	0 48	22 30	0 50	1 24	14 27	19 45	19 45	6 16	14 2	1 23
T 17	11 14	20 24	0n28	16 30	1 35	8 51	2 21	19 11	1 13	23 42	0 22	15 13	2 0	12 39	0 48	22 30	0 50	1 25	14 26	19 45	19 44	6 14	14 2	1 23
W18	10 53	21 13	1 34	15 58	1 39	9 19	2 27	19 19	1 12	23 42	0 22	15 14	1 59	12 40	0 48	22 29	0 50	1 26	14 26	19 45	19 44	6 11	14 1	1 23
T 19	10 33	20 58	2 33	15 24	1 43	9 47	2 34	19 26	1 11	23 42	0 22	15 15	1 59	12 41	0 48	22 29	0 50	1 26	14 25	19 45	19 43	6 9	14 1	1 23
F 20	10 11	19 43	3 25	14 48	1 45	10 15	2 40	19 33	1 10	23 42	0 22	15 16	1 59	12 42	0 48	22 29	0 50	1 27	14 25	19 44	19 42	6 7	14 1	1 23
S 21	9 50	17 35	4 7	14 10	1 47	10 42	2 47	19 40	1 9	23 42	0 22	15 18	1 59	12 43	0 48	22 29	0 50	1 28	14 24	19 42	19 41	6 4	14 0	1 24
S 22	9 29	14 43	4 37	13 30	1 48	11 9	2 53	19 47	1 8	23 42	0 22	15 19	1 59	12 43	0 48	22 29	0 50	1 29	14 24	19 40	19 41	6 2	14 0	1 24
M23	9 7	11 17	4 55	12 50	1 48	11 36	3 0	19 54	1 7	23 42	0 22	15 20	1 58	12 44	0 48	22 29	0 50	1 30	14 23	19 37	19 40	6 0	13 59	1 24
T 24	8 45	7 25	5 0	12 8	1 48	12 2	3 6	20 1	1 6	23 43	0 22	15 21	1 58	12 45	0 48	22 29	0 51	1 31	14 23	19 34	19 39	5 57	13 59	1 24
W25	8 24	3 16	4 52	11 25	1 47	12 28	3 13	20 7	1 5	23 43	0 22	15 23	1 58	12 46	0 48	22 29	0 51	1 31	14 22	19 31	19 39	5 55	13 59	1 24
T 26	8 2	1n 0	4 31	10 41	1 45	12 54	3 20	20 13	1 4	23 43	0 22	15 24	1 58	12 47	0 48	22 29	0 51	1 32	14 22	19 28	19 38	5 53	13 58	1 24
F 27	7 39	5 16	3 58	9 56	1 43	13 20	3 26	20 20	1 3	23 43	0 22	15 25	1 57	12 47	0 48	22 29	0 51	1 33	14 21	19 25	19 37	5 50	13 58	1 25
S 28	7 17	9 20	3 15	9 11	1 40	13 45	3 33	20 26	1 2	23 43	0 22	15 26	1 57	12 48	0 48	22 29	0 51	1 34	14 21	19 23	19 36	5 48	13 57	1 25
S 29	6 55	13 5	2 22	8 26	1 37	14 10	3 39	20 32	1 1	23 43	0 22	15 28	1 57	12 49	0 48	22 28	0 51	1 35	14 21	19 22	19 36	5 46	13 57	1 25
M30	6 32	16 19	1 22	7 39	1 33	14 34	3 46	20 38	0 59	23 43	0 22	15 29	1 57	12 50	0 48	22 28	0 51	1 36	14 20	19 21	19 35	5 43	13 56	1 25
T 31	6n10	18n51	0n16	6n53	1n29	14s59	3s53	20n44	0s58	23s43	0s23	15s31	1n57	12s51	0s48	22n28	0s51	1s37	14n20	19s21	19s34	5s41	13n55	1s25

Julian Day Number = 2177467.5, Delta T = 11m47s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'32, Lahiri = 13°23'32 Julian Calendar 1 Aug. 1249 == Greg. Calendar 8 Aug. 1249

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1249
geocentric

SEPTEMBER 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 9 7	15♍23'25	5♊48	17♍53	0♏22	8♊ 9	7♑10	18♏29	28°R18	7♋39	11♏15	26♏ 3	26♏57	3♓ 4	11°R16	W 1
T 2	23 13 4	16°22'06	18°56	19°40	1°10	8°37	7°11	18°33	28♒16	7°40	11°17	26°R 3	26°54	3°10	11♉14	T 2
F 3	23 17 0	17°20'48	2♋29	21°27	1°58	9° 3	7°12	18°38	28°14	7°41	11°19	26° 2	26°51	3°17	11°13	F 3
S 4	23 20 57	18°19'33	16°29	23°13	2°45	9°30	7°14	18°42	28°11	7°42	11°20	25°59	26°48	3°24	11°11	S 4
S 5	23 24 54	19°18'20	0♌56	24°58	3°32	9°56	7°16	18°47	28° 9	7°43	11°22	25°54	26°45	3°31	11°10	S 5
M 6	23 28 50	20°17'10	15°46	26°42	4°17	10°22	7°17	18°52	28° 7	7°44	11°24	25°46	26°42	3°37	11° 8	M 6
T 7	23 32 47	21°16'01	0♍54	28°24	5° 2	10°47	7°20	18°56	28° 5	7°45	11°25	25°37	26°38	3°44	11° 7	T 7
W 8	23 36 43	22°14'55	16° 9	0♎ 6	5°45	11°12	7°22	19° 1	28° 3	7°46	11°27	25°27	26°35	3°51	11° 5	W 8
T 9	23 40 40	23°13'50	1♎22	1°47	6°28	11°36	7°24	19° 6	28° 1	7°47	11°29	25°18	26°32	3°58	11° 3	T 9
F 10	23 44 36	24°12'48	16°20	3°27	7° 9	12° 0	7°27	19°11	27°59	7°48	11°30	25°11	26°29	4° 4	11° 1	F 10
S 11	23 48 33	25°11'48	0♏56	5° 7	7°50	12°24	7°30	19°16	27°57	7°48	11°32	25° 7	26°26	4°11	10°59	S 11
S 12	23 52 29	26°10'49	15° 5	6°45	8°30	12°47	7°33	19°21	27°55	7°49	11°34	25° 4	26°23	4°18	10°57	S 12
M13	23 56 26	27° 9'53	28°45	8°22	9° 8	13° 9	7°36	19°26	27°53	7°50	11°36	25°D 4	26°19	4°24	10°55	M13
T 14	0 0 23	28° 8'58	11♐57	9°59	9°45	13°31	7°39	19°31	27°51	7°51	11°38	25° 5	26°16	4°31	10°53	T 14
W15	0 4 19	29° 8'05	24°45	11°35	10°21	13°53	7°43	19°37	27°49	7°51	11°40	25°R 5	26°13	4°38	10°51	W15
T 16	0 8 16	0♎ 7'14	7♑12	13°10	10°56	14°14	7°46	19°42	27°47	7°52	11°42	25° 5	26°10	4°45	10°49	T 16
F 17	0 12 12	1° 6'25	19°25	14°44	11°30	14°35	7°50	19°47	27°45	7°52	11°44	25° 3	26° 7	4°51	10°47	F 17
S 18	0 16 9	2° 5'37	1♒26	16°17	12° 2	14°55	7°54	19°53	27°43	7°53	11°46	24°59	26° 3	4°58	10°45	S 18
S 19	0 20 5	3° 4'52	13°21	17°50	12°32	15°15	7°59	19°58	27°41	7°54	11°48	24°53	26° 0	5° 5	10°43	S 19
M20	0 24 2	4° 4'08	25°14	19°22	13° 1	15°34	8° 3	20° 4	27°39	7°54	11°50	24°45	25°57	5°11	10°40	M20
T 21	0 27 58	5° 3'26	7♓ 6	20°53	13°29	15°53	8° 8	20°10	27°38	7°54	11°52	24°35	25°54	5°18	10°38	T 21
W22	0 31 55	6° 2'46	19° 1	22°23	13°55	16°11	8°13	20°15	27°36	7°55	11°54	24°26	25°51	5°25	10°36	W22
T 23	0 35 51	7° 2'08	1♈ 0	23°52	14°19	16°28	8°17	20°21	27°34	7°55	11°56	24°17	25°48	5°32	10°33	T 23
F 24	0 39 48	8° 1'32	13° 4	25°21	14°41	16°45	8°23	20°27	27°33	7°56	11°58	24° 9	25°44	5°38	10°31	F 24
S 25	0 43 45	9° 0'58	25°16	26°49	15° 2	17° 2	8°28	20°33	27°31	7°56	12° 0	24° 3	25°41	5°45	10°28	S 25
S 26	0 47 41	10° 0'26	7♉36	28°16	15°21	17°17	8°33	20°39	27°29	7°56	12° 2	23°59	25°38	5°52	10°26	S 26
M27	0 51 38	10°59'56	20° 5	29°43	15°38	17°33	8°39	20°45	27°28	7°56	12° 4	23°D58	25°35	5°59	10°23	M27
T 28	0 55 34	11°59'29	2♊47	1♏ 8	15°53	17°47	8°45	20°51	27°26	7°57	12° 6	23°58	25°32	6° 5	10°20	T 28
W29	0 59 31	12°59'04	15°42	2°33	16° 6	18° 1	8°51	20°57	27°25	7°57	12° 8	24° 0	25°29	6°12	10°18	W29
T 30	1 3 27	13♎58'42	28♊54	3♏57	16♏16	18♊14	8♑57	21♏ 3	27♒23	7♋57	12♏11	24♏ 1	25♏25	6♓19	10♉15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n47	20n31	0s52	6n 7	1n25	15s23	3s59	20n49	0s57	23s43	0s23	15s32	1n56	12s51	0s48	22n28	0s51	1s38	14n19	19s21	19s33	5s39	13n55	1s25
T 2	5 24	21 6	1 59	5 20	1 20	15 46	4 6	20 55	0 56	23 43	0 23	15 33	1 56	12 52	0 48	22 28	0 51	1 39	14 19	19 21	19 33	5 37	13 54	1 26
F 3	5 1	20 30	3 1	4 33	1 15	16 9	4 13	21 0	0 54	23 43	0 23	15 35	1 56	12 53	0 48	22 28	0 51	1 39	14 18	19 20	19 32	5 34	13 54	1 26
S 4	4 38	18 38	3 55	3 46	1 10	16 32	4 19	21 5	0 53	23 43	0 23	15 36	1 56	12 54	0 48	22 28	0 51	1 40	14 18	19 20	19 31	5 32	13 53	1 26
S 5	4 15	15 33	4 35	2 59	1 4	16 54	4 26	21 10	0 52	23 43	0 23	15 38	1 56	12 54	0 48	22 28	0 51	1 41	14 17	19 18	19 30	5 30	13 52	1 26
M 6	3 52	11 25	4 59	2 13	0 58	17 16	4 32	21 16	0 50	23 43	0 23	15 39	1 55	12 55	0 48	22 28	0 51	1 42	14 17	19 17	19 30	5 27	13 52	1 26
T 7	3 29	6 29	5 2	1 26	0 52	17 37	4 39	21 21	0 49	23 43	0 23	15 41	1 55	12 56	0 48	22 28	0 51	1 43	14 16	19 14	19 29	5 25	13 51	1 26
W 8	3 5	1 7	4 44	0 40	0 46	17 58	4 45	21 25	0 48	23 43	0 23	15 42	1 55	12 57	0 48	22 28	0 51	1 44	14 16	19 12	19 28	5 23	13 50	1 27
T 9	2 42	4s18	4 6	0s 7	0 40	18 19	4 52	21 30	0 46	23 43	0 23	15 44	1 55	12 57	0 48	22 28	0 51	1 45	14 16	19 10	19 27	5 20	13 50	1 27
F 10	2 18	9 23	3 11	0 52	0 33	18 39	4 58	21 35	0 45	23 43	0 23	15 45	1 55	12 58	0 48	22 28	0 51	1 46	14 15	19 8	19 27	5 18	13 49	1 27
S 11	1 55	13 48	2 5	1 38	0 26	18 58	5 4	21 39	0 43	23 42	0 23	15 47	1 54	12 59	0 48	22 28	0 51	1 47	14 15	19 7	19 26	5 16	13 48	1 27
S 12	1 31	17 16	0 53	2 23	0 20	19 17	5 11	21 44	0 42	23 42	0 23	15 48	1 54	12 59	0 48	22 27	0 51	1 48	14 14	19 7	19 25	5 14	13 47	1 27
M13	1 8	19 38	0n20	3 8	0 13	19 36	5 17	21 48	0 40	23 42	0 23	15 50	1 54	13 0	0 47	22 27	0 51	1 48	14 14	19 7	19 25	5 11	13 47	1 27
T 14	0 44	20 50	1 29	3 53	0 6	19 53	5 23	21 52	0 39	23 42	0 23	15 51	1 54	13 1	0 47	22 27	0 51	1 49	14 14	19 7	19 24	5 9	13 46	1 28
W15	0 21	20 54	2 32	4 37	0s 1	20 11	5 29	21 56	0 37	23 42	0 23	15 53	1 54	13 1	0 47	22 27	0 51	1 50	14 13	19 7	19 23	5 7	13 45	1 28
T 16	0s 3	19 55	3 26	5 20	0 8	20 27	5 35	22 1	0 36	23 42	0 23	15 55	1 53	13 2	0 47	22 27	0 51	1 51	14 13	19 7	19 22	5 4	13 44	1 28
F 17	0 27	18 1	4 9	6 4	0 15	20 43	5 40	22 5	0 34	23 41	0 23	15 56	1 53	13 3	0 47	22 27	0 51	1 52	14 13	19 6	19 22	5 2	13 44	1 28
S 18	0 50	15 21	4 41	6 46	0 22	20 59	5 46	22 8	0 32	23 41	0 23	15 58	1 53	13 3	0 47	22 27	0 51	1 53	14 12	19 5	19 21	5 0	13 43	1 28
S 19	1 14	12 5	5 0	7 28	0 29	21 14	5 51	22 12	0 31	23 41	0 23	16 0	1 53	13 4	0 47	22 27	0 51	1 54	14 12	19 4	19 20	4 57	13 42	1 28
M20	1 37	8 21	5 6	8 10	0 36	21 28	5 57	22 16	0 29	23 41	0 24	16 1	1 53	13 5	0 47	22 27	0 51	1 55	14 11	19 2	19 19	4 55	13 41	1 29
T 21	2 1	4 19	4 59	8 51	0 43	21 41	6 2	22 20	0 27	23 41	0 24	16 3	1 53	13 5	0 47	22 27	0 51	1 56	14 11	19 0	19 19	4 53	13 40	1 29
W22	2 25	0 5	4 39	9 32	0 51	21 54	6 7	22 23	0 26	23 40	0 24	16 4	1 52	13 6	0 47	22 27	0 51	1 57	14 11	18 57	19 18	4 50	13 39	1 29
T 23	2 48	4n10	4 6	10 11	0 58	22 6	6 11	22 27	0 24	23 40	0 24	16 6	1 52	13 6	0 47	22 27	0 51	1 58	14 10	18 55	19 17	4 48	13 38	1 29
F 24	3 12	8 17	3 22	10 51	1 4	22 17	6 16	22 31	0 22	23 40	0 24	16 8	1 52	13 7	0 47	22 27	0 51	1 58	14 10	18 53	19 16	4 46	13 37	1 29
S 25	3 35	12 7	2 29	11 29	1 11	22 27	6 20	22 34	0 20	23 40	0 24	16 10	1 52	13 7	0 47	22 27	0 51	1 59	14 10	18 52	19 15	4 44	13 36	1 29
S 26	3 59	15 29	1 27	12 7	1 18	22 37	6 24	22 37	0 18	23 39	0 24	16 11	1 52	13 8	0 47	22 27	0 51	2 0	14 9	18 51	19 15	4 41	13 36	1 29
M27	4 22	18 10	0 21	12 44	1 25	22 46	6 28	22 41	0 16	23 39	0 24	16 13	1 52	13 8	0 47	22 27	0 51	2 1	14 9	18 50	19 14	4 39	13 35	1 30
T 28	4 46	20 1	0s48	13 21	1 32	22 53	6 31	22 44	0 14	23 39	0 24	16 15	1 51	13 9	0 47	22 27	0 51	2 2	14 9	18 50	19 13	4 37	13 34	1 30
W29	5 9	20 51	1 55	13 56	1 38	23 0	6 35	22 47	0 12	23 38	0 24	16 16	1 51	13 9	0 47	22 27	0 51	2 3	14 9	18 51	19 12	4 34	13 33	1 30
T 30	5s32	20n34	2s58	14s31	1s44	23s 6	6s37	22n50	0s10	23s38	0s24	16s18	1n51	13s10	0s47	22n27	0s51	2s 4	14n 8	18s51	19s12	4s32	13n32	1s30

Julian Day Number = 2177498.5, Delta T = 11m47s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'36, Lahiri = 13°23'37 Julian Calendar 1 Sept. 1249 == Greg. Calendar 8 Sept. 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

OCTOBER 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 7 24	14♎58'21	12♋25	5♏20	16♏25	18♊27	9♑ 3	21♏ 9	27°R22	7♋57	12♏13	24°R 2	25♏22	6♓25	10°R12	F 1
S 2	1 11 20	15°58'03	26°17	6°42	16°31	18°39	9°10	21°15	27♒21	7°57	12°15	24♏ 1	25°19	6°32	10♉10	S 2
S 3	1 15 17	16°57'48	10♌29	8° 3	16°36	18°50	9°16	21°21	27°19	7°57	12°17	23°59	25°16	6°39	10° 7	S 3
M 4	1 19 14	17°57'34	25° 1	9°23	16°R37	19° 1	9°23	21°27	27°18	7°R57	12°19	23°56	25°13	6°46	10° 4	M 4
T 5	1 23 10	18°57'23	9♍47	10°42	16°37	19°10	9°30	21°34	27°17	7°57	12°22	23°51	25° 9	6°52	10° 1	T 5
W 6	1 27 7	19°57'14	24°43	12° 0	16°34	19°20	9°37	21°40	27°16	7°57	12°24	23°46	25° 6	6°59	9°58	W 6
T 7	1 31 3	20°57'07	9♎38	13°16	16°29	19°28	9°44	21°46	27°15	7°57	12°26	23°41	25° 3	7° 6	9°55	T 7
F 8	1 35 0	21°57'03	24°25	14°31	16°21	19°36	9°52	21°53	27°13	7°57	12°28	23°37	25° 0	7°12	9°52	F 8
S 9	1 38 56	22°57'00	8♏56	15°45	16°11	19°42	9°59	21°59	27°12	7°57	12°31	23°35	24°57	7°19	9°49	S 9
S 10	1 42 53	23°56'59	23° 4	16°56	15°59	19°48	10° 7	22° 6	27°11	7°57	12°33	23°D34	24°54	7°26	9°46	S 10
M11	1 46 49	24°57'00	6♐48	18° 6	15°44	19°54	10°15	22°12	27°11	7°56	12°35	23°35	24°50	7°33	9°43	M11
T 12	1 50 46	25°57'03	20° 5	19°14	15°27	19°58	10°23	22°19	27°10	7°56	12°38	23°36	24°47	7°39	9°40	T 12
W13	1 54 43	26°57'07	2♑59	20°20	15° 7	20° 2	10°31	22°26	27° 9	7°56	12°40	23°38	24°44	7°46	9°37	W13
T 14	1 58 39	27°57'13	15°31	21°23	14°46	20° 5	10°39	22°32	27° 8	7°55	12°42	23°39	24°41	7°53	9°34	T 14
F 15	2 2 36	28°57'21	27°46	22°23	14°22	20° 7	10°47	22°39	27° 7	7°55	12°45	23°R40	24°38	7°59	9°31	F 15
S 16	2 6 32	29°57'30	9♒49	23°21	13°56	20° 8	10°56	22°46	27° 6	7°55	12°47	23°39	24°34	8° 6	9°28	S 16
S 17	2 10 29	0♏57'41	21°44	24°14	13°28	20°R 8	11° 5	22°52	27° 6	7°54	12°49	23°38	24°31	8°13	9°25	S 17
M18	2 14 25	1°57'53	3♓36	25° 4	12°58	20° 8	11°13	22°59	27° 5	7°54	12°52	23°35	24°28	8°20	9°22	M18
T 19	2 18 22	2°58'07	15°29	25°49	12°27	20° 6	11°22	23° 6	27° 5	7°53	12°54	23°32	24°25	8°26	9°19	T 19
W20	2 22 18	3°58'22	27°27	26°30	11°54	20° 4	11°31	23°13	27° 4	7°53	12°57	23°29	24°22	8°33	9°16	W20
T 21	2 26 15	4°58'39	9♈31	27° 5	11°20	20° 1	11°40	23°19	27° 4	7°52	12°59	23°26	24°19	8°40	9°13	T 21
F 22	2 30 11	5°58'58	21°45	27°34	10°45	19°57	11°50	23°26	27° 3	7°52	13° 1	23°23	24°15	8°47	9°10	F 22
S 23	2 34 8	6°59'18	4♉10	27°56	10°10	19°52	11°59	23°33	27° 3	7°51	13° 4	23°21	24°12	8°53	9° 6	S 23
S 24	2 38 5	7°59'41	16°47	28°11	9°33	19°47	12° 9	23°40	27° 2	7°50	13° 6	23°20	24° 9	9° 0	9° 3	S 24
M25	2 42 1	9° 0'04	29°36	28°R18	8°57	19°40	12°18	23°47	27° 2	7°50	13° 9	23°D20	24° 6	9° 7	9° 0	M25
T 26	2 45 58	10° 0'30	12♊38	28°15	8°20	19°33	12°28	23°54	27° 2	7°49	13°11	23°21	24° 3	9°13	8°57	T 26
W27	2 49 54	11° 0'58	25°53	28° 4	7°44	19°24	12°38	24° 1	27° 2	7°48	13°13	23°22	24° 0	9°20	8°54	W27
T 28	2 53 51	12° 1'27	9♋20	27°42	7° 8	19°15	12°48	24° 8	27° 2	7°47	13°16	23°23	23°56	9°27	8°51	T 28
F 29	2 57 47	13° 1'58	23° 1	27°10	6°33	19° 5	12°58	24°15	27° 2	7°47	13°18	23°24	23°53	9°34	8°48	F 29
S 30	3 1 44	14° 2'32	6♌54	26°28	5°59	18°54	13° 8	24°22	27°D 2	7°46	13°21	23°24	23°50	9°40	8°44	S 30
S 31	3 5 41	15♏ 3'07	20♌59	25♏35	5♏26	18♊42	13♑19	24♏29	27♒ 2	7♋45	13♏23	23°R24	23♏47	9♓47	8♉41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s55	19n 5	3s53	15s 5	1s51	23s11	6s40	22n53	0s 8	23s37	0s24	16s20	1n51	13s10	0s47	22n27	0s51	2s 5	14n 8	18s51	19s11	4s30	13n31	1s30
S 2	6 18	16 28	4 36	15 38	1 57	23 15	6 42	22 57	0 6	23 37	0 24	16 22	1 51	13 11	0 47	22 27	0 51	2 6	14 8	18 51	19 10	4 27	13 30	1 30
S 3	6 41	12 49	5 3	16 11	2 2	23 18	6 43	23 0	0 4	23 37	0 24	16 23	1 51	13 11	0 47	22 27	0 51	2 7	14 8	18 51	19 9	4 25	13 29	1 30
M 4	7 4	8 21	5 11	16 42	2 8	23 19	6 45	23 3	0 2	23 36	0 24	16 25	1 51	13 12	0 47	22 27	0 51	2 7	14 7	18 50	19 9	4 23	13 28	1 31
T 5	7 27	3 19	4 59	17 12	2 14	23 20	6 45	23 6	0n 0	23 36	0 24	16 27	1 50	13 12	0 47	22 27	0 51	2 8	14 7	18 49	19 8	4 21	13 27	1 31
W 6	7 50	1s59	4 27	17 42	2 19	23 19	6 45	23 9	0 2	23 35	0 24	16 29	1 50	13 12	0 47	22 27	0 51	2 9	14 7	18 47	19 7	4 18	13 26	1 31
T 7	8 13	7 9	3 37	18 10	2 24	23 17	6 45	23 11	0 5	23 35	0 24	16 30	1 50	13 13	0 47	22 27	0 51	2 10	14 7	18 46	19 6	4 16	13 25	1 31
F 8	8 35	11 52	2 33	18 37	2 28	23 14	6 44	23 14	0 7	23 34	0 24	16 32	1 50	13 13	0 47	22 27	0 51	2 11	14 6	18 45	19 6	4 14	13 24	1 31
S 9	8 57	15 47	1 19	19 3	2 33	23 10	6 43	23 17	0 9	23 34	0 24	16 34	1 50	13 13	0 47	22 27	0 51	2 12	14 6	18 45	19 5	4 11	13 23	1 31
S 10	9 20	18 40	0 3	19 28	2 37	23 4	6 40	23 20	0 11	23 33	0 24	16 36	1 50	13 14	0 47	22 27	0 51	2 13	14 6	18 44	19 4	4 9	13 21	1 31
M11	9 42	20 21	1n12	19 51	2 40	22 57	6 38	23 23	0 14	23 33	0 24	16 38	1 50	13 14	0 47	22 27	0 51	2 14	14 6	18 45	19 3	4 7	13 20	1 31
T 12	10 4	20 50	2 20	20 13	2 43	22 48	6 34	23 25	0 16	23 32	0 24	16 39	1 50	13 14	0 47	22 27	0 51	2 14	14 5	18 45	19 2	4 4	13 19	1 32
W13	10 26	20 11	3 20	20 34	2 46	22 38	6 30	23 28	0 19	23 31	0 24	16 41	1 49	13 14	0 47	22 27	0 51	2 15	14 5	18 45	19 2	4 2	13 18	1 32
T 14	10 47	18 32	4 8	20 53	2 48	22 27	6 25	23 31	0 21	23 31	0 25	16 43	1 49	13 15	0 47	22 27	0 51	2 16	14 5	18 46	19 1	4 0	13 17	1 32
F 15	11 9	16 4	4 43	21 10	2 50	22 14	6 19	23 34	0 24	23 30	0 25	16 45	1 49	13 15	0 47	22 27	0 51	2 17	14 5	18 46	19 0	3 58	13 16	1 32
S 16	11 30	12 57	5 5	21 26	2 51	22 0	6 13	23 36	0 26	23 30	0 25	16 47	1 49	13 15	0 47	22 27	0 51	2 18	14 5	18 46	18 59	3 55	13 15	1 32
S 17	11 51	9 21	5 14	21 40	2 51	21 45	6 6	23 39	0 29	23 29	0 25	16 48	1 49	13 15	0 47	22 27	0 51	2 19	14 5	18 45	18 59	3 53	13 14	1 32
M18	12 12	5 25	5 10	21 52	2 51	21 28	5 58	23 41	0 31	23 28	0 25	16 50	1 49	13 16	0 46	22 27	0 51	2 19	14 4	18 45	18 58	3 51	13 13	1 32
T 19	12 33	1 15	4 52	22 2	2 49	21 10	5 49	23 44	0 34	23 27	0 25	16 52	1 49	13 16	0 46	22 27	0 52	2 20	14 4	18 44	18 57	3 48	13 12	1 32
W20	12 54	2n58	4 21	22 10	2 47	20 51	5 40	23 46	0 37	23 27	0 25	16 54	1 49	13 16	0 46	22 27	0 52	2 21	14 4	18 43	18 56	3 46	13 11	1 32
T 21	13 14	7 8	3 39	22 15	2 44	20 30	5 30	23 49	0 39	23 26	0 25	16 56	1 49	13 16	0 46	22 27	0 52	2 22	14 4	18 42	18 55	3 44	13 10	1 33
F 22	13 34	11 4	2 46	22 18	2 40	20 9	5 19	23 51	0 42	23 25	0 25	16 57	1 49	13 16	0 46	22 27	0 52	2 23	14 4	18 42	18 55	3 42	13 9	1 33
S 23	13 54	14 35	1 44	22 17	2 35	19 47	5 7	23 54	0 45	23 24	0 25	16 59	1 48	13 16	0 46	22 27	0 52	2 23	14 4	18 41	18 54	3 39	13 7	1 33
S 24	14 14	17 30	0 36	22 14	2 28	19 23	4 55	23 56	0 48	23 24	0 25	17 1	1 48	13 16	0 46	22 27	0 52	2 24	14 4	18 41	18 53	3 37	13 6	1 33
M25	14 33	19 35	0s35	22 8	2 20	18 59	4 42	23 58	0 51	23 23	0 25	17 3	1 48	13 16	0 46	22 27	0 52	2 25	14 4	18 41	18 52	3 35	13 5	1 33
T 26	14 53	20 40	1 45	21 58	2 11	18 35	4 29	24 1	0 53	23 22	0 25	17 5	1 48	13 16	0 46	22 27	0 52	2 26	14 4	18 41	18 52	3 32	13 4	1 33
W27	15 12	20 38	2 51	21 45	2 0	18 10	4 15	24 3	0 56	23 21	0 25	17 6	1 48	13 16	0 46	22 27	0 52	2 26	14 3	18 41	18 51	3 30	13 3	1 33
T 28	15 30	19 25	3 48	21 28	1 47	17 44	4 1	24 5	0 59	23 20	0 25	17 8	1 48	13 16	0 46	22 27	0 52	2 27	14 3	18 42	18 50	3 28	13 2	1 33
F 29	15 49	17 4	4 34	21 6	1 33	17 19	3 46	24 7	1 2	23 19	0 25	17 10	1 48	13 16	0 46	22 27	0 52	2 28	14 3	18 42	18 49	3 26	13 1	1 33
S 30	16 7	13 43	5 4	20 41	1 17	16 53	3 31	24 9	1 5	23 18	0 25	17 12	1 48	13 16	0 46	22 27	0 52	2 29	14 3	18 42	18 48	3 23	13 0	1 33
S 31	16s25	9n33	5s17	20s12	0s59	16s28	3s16	24n11	1n 8	23s17	0s25	17s13	1n48	13s16	0s46	22n27	0s52	2s29	14n 3	18s42	18s48	3s21	12n59	1s33

Julian Day Number = 2177528.5, Delta T = 11m46s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'40, Lahiri = 13°23'41 Julian Calendar 1 Oct. 1249 == Greg. Calendar 8 Oct. 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

NOVEMBER 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 9 37	16♏ 3'43	5♍15	24°R33	4°R55	18°R30	13♑29	24♏36	27♒ 2	7°R44	13♏26	23°R24	23♏44	9♓54	8°R38	M 1
T 2	3 13 34	17° 4'22	19°38	23♏24	4♏25	18♊16	13°40	24°43	27° 2	7♋43	13°28	23♏23	23°40	10° 0	8♉35	T 2
W 3	3 17 30	18° 5'02	4♎ 6	22° 7	3°57	18° 2	13°50	24°50	27° 2	7°42	13°30	23°23	23°37	10° 7	8°32	W 3
T 4	3 21 27	19° 5'44	18°33	20°47	3°31	17°47	14° 1	24°57	27° 2	7°41	13°33	23°22	23°34	10°14	8°29	T 4
F 5	3 25 23	20° 6'27	2♏54	19°25	3° 6	17°31	14°12	25° 4	27° 3	7°40	13°35	23°22	23°31	10°21	8°26	F 5
S 6	3 29 20	21° 7'13	17° 5	18° 4	2°45	17°15	14°23	25°11	27° 3	7°39	13°38	23°D22	23°28	10°27	8°23	S 6
S 7	3 33 16	22° 7'59	1♐ 0	16°48	2°25	16°57	14°34	25°18	27° 3	7°38	13°40	23°22	23°25	10°34	8°20	S 7
M 8	3 37 13	23° 8'47	14°36	15°37	2° 7	16°39	14°45	25°25	27° 4	7°37	13°42	23°R22	23°21	10°41	8°17	M 8
T 9	3 41 9	24° 9'36	27°51	14°35	1°53	16°21	14°57	25°32	27° 4	7°36	13°45	23°22	23°18	10°47	8°14	T 9
W10	3 45 6	25°10'26	10♑46	13°43	1°40	16° 2	15° 8	25°39	27° 5	7°35	13°47	23°22	23°15	10°54	8°11	W10
T 11	3 49 3	26°11'17	23°21	13° 2	1°30	15°42	15°20	25°47	27° 5	7°34	13°50	23°21	23°12	11° 1	8° 8	T 11
F 12	3 52 59	27°12'09	5♒39	12°32	1°22	15°21	15°31	25°54	27° 6	7°32	13°52	23°21	23° 9	11° 8	8° 5	F 12
S 13	3 56 56	28°13'02	17°44	12°14	1°17	15° 0	15°43	26° 1	27° 7	7°31	13°54	23°21	23° 6	11°14	8° 2	S 13
S 14	4 0 52	29°13'56	29°41	12°D 7	1°14	14°39	15°55	26° 8	27° 7	7°30	13°57	23°D21	23° 2	11°21	7°59	S 14
M15	4 4 49	0♐14'51	11♓33	12°11	1°D14	14°17	16° 6	26°15	27° 8	7°29	13°59	23°21	22°59	11°28	7°56	M15
T 16	4 8 45	1°15'47	23°26	12°25	1°16	13°55	16°18	26°22	27° 9	7°27	14° 1	23°21	22°56	11°34	7°53	T 16
W17	4 12 42	2°16'43	5♈25	12°47	1°21	13°33	16°30	26°29	27°10	7°26	14° 4	23°22	22°53	11°41	7°51	W17
T 18	4 16 38	3°17'40	17°32	13°19	1°28	13°10	16°42	26°36	27°11	7°25	14° 6	23°23	22°50	11°48	7°48	T 18
F 19	4 20 35	4°18'38	29°53	13°57	1°37	12°47	16°54	26°43	27°12	7°23	14° 8	23°24	22°46	11°55	7°45	F 19
S 20	4 24 32	5°19'37	12♉29	14°42	1°49	12°24	17° 7	26°50	27°13	7°22	14°11	23°25	22°43	12° 1	7°42	S 20
S 21	4 28 28	6°20'36	25°22	15°33	2° 2	12° 0	17°19	26°57	27°14	7°21	14°13	23°R25	22°40	12° 8	7°40	S 21
M22	4 32 25	7°21'37	8♊33	16°29	2°18	11°37	17°31	27° 4	27°15	7°19	14°15	23°25	22°37	12°15	7°37	M22
T 23	4 36 21	8°22'38	22° 1	17°29	2°36	11°13	17°44	27°11	27°16	7°18	14°17	23°23	22°34	12°21	7°34	T 23
W24	4 40 18	9°23'40	5♋43	18°33	2°56	10°50	17°56	27°18	27°18	7°16	14°20	23°21	22°31	12°28	7°32	W24
T 25	4 44 14	10°24'44	19°37	19°41	3°17	10°26	18° 9	27°25	27°19	7°15	14°22	23°19	22°27	12°35	7°29	T 25
F 26	4 48 11	11°25'48	3♌41	20°52	3°41	10° 3	18°22	27°32	27°20	7°13	14°24	23°17	22°24	12°42	7°27	F 26
S 27	4 52 8	12°26'53	17°49	22° 5	4° 7	9°40	18°34	27°39	27°22	7°12	14°26	23°15	22°21	12°48	7°24	S 27
S 28	4 56 4	13°27'59	2♍ 1	23°20	4°34	9°17	18°47	27°46	27°23	7°10	14°28	23°13	22°18	12°55	7°22	S 28
M29	5 0 1	14°29'05	16°12	24°38	5° 3	8°54	19° 0	27°53	27°25	7° 9	14°31	23°D13	22°15	13° 2	7°20	M29
T 30	5 3 57	15♐30'13	0♎21	25♏57	5♏33	8♊32	19♑13	28♏ 0	27♒26	7♋ 7	14♏33	23♏13	22♏12	13♓ 8	7♉17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s43	4n49	5s10	19s38	0s41	16s 3	3s 1	24n13	1n11	23s16	0s25	17s15	1n48	13s16	0s46	22n27	0s52	2s30	14n 3	18s42	18s47	3s19	12n58	1s34
T 2	17 0	0s14	4 44	19 2	0 21	15 38	2 45	24 14	1 14	23 15	0 25	17 17	1 48	13 16	0 46	22 27	0 52	2 31	14 3	18 42	18 46	3 16	12 57	1 34
W 3	17 17	5 19	4 1	18 23	0 1	15 14	2 30	24 16	1 17	23 14	0 25	17 19	1 48	13 16	0 46	22 27	0 52	2 32	14 3	18 42	18 45	3 14	12 56	1 34
T 4	17 34	10 5	3 1	17 42	0n20	14 50	2 14	24 18	1 20	23 13	0 25	17 20	1 48	13 16	0 46	22 27	0 52	2 32	14 3	18 41	18 44	3 12	12 54	1 34
F 5	17 50	14 16	1 51	17 0	0 41	14 27	1 59	24 19	1 23	23 12	0 25	17 22	1 48	13 16	0 46	22 27	0 52	2 33	14 3	18 41	18 44	3 10	12 53	1 34
S 6	18 7	17 34	0 35	16 19	1 0	14 5	1 43	24 20	1 26	23 11	0 26	17 24	1 47	13 16	0 46	22 27	0 52	2 34	14 3	18 41	18 43	3 7	12 52	1 34
S 7	18 22	19 45	0n42	15 40	1 19	13 44	1 28	24 22	1 28	23 9	0 26	17 26	1 47	13 15	0 46	22 27	0 52	2 34	14 3	18 41	18 42	3 5	12 51	1 34
M 8	18 38	20 44	1 55	15 4	1 36	13 24	1 13	24 23	1 31	23 8	0 26	17 27	1 47	13 15	0 46	22 27	0 52	2 35	14 3	18 41	18 41	3 3	12 50	1 34
T 9	18 53	20 31	3 0	14 31	1 51	13 5	0 59	24 24	1 34	23 7	0 26	17 29	1 47	13 15	0 46	22 27	0 52	2 36	14 3	18 41	18 40	3 0	12 49	1 34
W10	19 8	19 13	3 54	14 3	2 3	12 47	0 44	24 25	1 37	23 6	0 26	17 31	1 47	13 15	0 46	22 27	0 52	2 36	14 3	18 41	18 40	2 58	12 48	1 34
T 11	19 23	16 59	4 35	13 41	2 14	12 31	0 30	24 25	1 40	23 5	0 26	17 33	1 47	13 15	0 46	22 27	0 52	2 37	14 3	18 41	18 39	2 56	12 47	1 34
F 12	19 37	14 3	5 2	13 23	2 23	12 15	0 16	24 26	1 43	23 3	0 26	17 34	1 47	13 14	0 46	22 27	0 52	2 37	14 3	18 41	18 38	2 54	12 46	1 34
S 13	19 51	10 34	5 16	13 12	2 30	12 1	0 3	24 26	1 46	23 2	0 26	17 36	1 47	13 14	0 46	22 27	0 52	2 38	14 3	18 41	18 37	2 51	12 45	1 34
S 14	20 4	6 42	5 15	13 5	2 34	11 48	0n10	24 27	1 48	23 1	0 26	17 38	1 47	13 14	0 45	22 28	0 52	2 39	14 3	18 41	18 36	2 49	12 44	1 34
M15	20 17	2 37	5 1	13 3	2 37	11 36	0 23	24 27	1 51	22 59	0 26	17 39	1 47	13 13	0 45	22 28	0 52	2 39	14 3	18 41	18 36	2 47	12 43	1 34
T 16	20 30	1n35	4 35	13 6	2 39	11 25	0 35	24 27	1 54	22 58	0 26	17 41	1 47	13 13	0 45	22 28	0 52	2 40	14 3	18 41	18 35	2 44	12 42	1 34
W17	20 42	5 46	3 56	13 13	2 39	11 16	0 47	24 27	1 57	22 56	0 26	17 43	1 47	13 13	0 45	22 28	0 52	2 40	14 4	18 41	18 34	2 42	12 41	1 35
T 18	20 54	9 46	3 6	13 24	2 37	11 7	0 58	24 26	1 59	22 55	0 26	17 44	1 47	13 12	0 45	22 28	0 52	2 41	14 4	18 42	18 33	2 40	12 40	1 35
F 19	21 5	13 27	2 7	13 37	2 35	11 0	1 9	24 26	2 2	22 54	0 26	17 46	1 47	13 12	0 45	22 28	0 52	2 42	14 4	18 42	18 32	2 38	12 40	1 35
S 20	21 17	16 36	1 0	13 54	2 32	10 54	1 20	24 25	2 4	22 52	0 26	17 48	1 47	13 12	0 45	22 28	0 52	2 42	14 4	18 42	18 32	2 35	12 39	1 35
S 21	21 27	19 0	0s11	14 12	2 28	10 50	1 30	24 25	2 7	22 51	0 26	17 49	1 47	13 11	0 45	22 28	0 52	2 43	14 4	18 42	18 31	2 33	12 38	1 35
M22	21 38	20 27	1 23	14 33	2 23	10 46	1 39	24 24	2 9	22 49	0 26	17 51	1 47	13 11	0 45	22 28	0 52	2 43	14 4	18 42	18 30	2 31	12 37	1 35
T 23	21 47	20 46	2 32	14 55	2 17	10 43	1 48	24 23	2 11	22 47	0 26	17 52	1 47	13 10	0 45	22 28	0 52	2 44	14 4	18 42	18 29	2 29	12 36	1 35
W24	21 57	19 52	3 33	15 19	2 12	10 42	1 57	24 22	2 14	22 46	0 26	17 54	1 47	13 10	0 45	22 28	0 52	2 44	14 4	18 41	18 28	2 26	12 35	1 35
T 25	22 6	17 46	4 23	15 43	2 5	10 41	2 6	24 21	2 16	22 44	0 26	17 56	1 47	13 9	0 45	22 28	0 52	2 45	14 4	18 41	18 27	2 24	12 34	1 35
F 26	22 15	14 36	4 57	16 8	1 59	10 42	2 14	24 19	2 18	22 42	0 27	17 57	1 47	13 9	0 45	22 28	0 52	2 45	14 5	18 40	18 27	2 22	12 33	1 35
S 27	22 23	10 34	5 14	16 34	1 52	10 43	2 21	24 18	2 20	22 41	0 27	17 59	1 47	13 8	0 45	22 28	0 52	2 46	14 5	18 39	18 26	2 19	12 33	1 35
S 28	22 30	5 57	5 12	17 0	1 45	10 46	2 29	24 16	2 22	22 39	0 27	18 0	1 47	13 8	0 45	22 29	0 52	2 46	14 5	18 39	18 25	2 17	12 32	1 35
M29	22 38	1 1	4 50	17 26	1 37	10 49	2 35	24 14	2 24	22 37	0 27	18 2	1 47	13 7	0 45	22 29	0 52	2 46	14 5	18 39	18 24	2 15	12 31	1 35
T 30	22s45	3s59	4s12	17s52	1n30	10s53	2n42	24n13	2n26	22s36	0s27	18s 3	1n47	13s 7	0s45	22n29	0s52	2s47	14n 5	18s39	18s23	2s13	12n30	1s35

Julian Day Number = 2177559.5, Delta T = 11m46s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'45, Lahiri = 13°23'45 Julian Calendar 1 Nov. 1249 == Greg. Calendar 8 Nov. 1249

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ASTRODIENST EPHEMERIS for the year 1249
geocentric

DECEMBER 1249 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 7 54	16♐31'22	14♎26	27♏18	6♏ 5	8°R 9	19♑26	28♏ 7	27♒28	7°R 6	14♏35	23♏15	22♏ 8	13♓15	7°R15	W 1
T 2	5 11 50	17°32'31	28°25	28°39	6°39	7♊48	19°39	28°13	27°29	7♋ 4	14°37	23°16	22° 5	13°22	7♉13	T 2
F 3	5 15 47	18°33'41	12♏16	0♐ 3	7°14	7°26	19°52	28°20	27°31	7° 3	14°39	23°18	22° 2	13°29	7°11	F 3
S 4	5 19 43	19°34'52	25°59	1°27	7°51	7° 6	20° 5	28°27	27°33	7° 1	14°41	23°R18	21°59	13°35	7° 9	S 4
S 5	5 23 40	20°36'03	9♐29	2°52	8°28	6°45	20°18	28°34	27°35	6°59	14°43	23°17	21°56	13°42	7° 7	S 5
M 6	5 27 37	21°37'15	22°47	4°18	9° 7	6°25	20°32	28°41	27°36	6°58	14°45	23°14	21°52	13°49	7° 5	M 6
T 7	5 31 33	22°38'27	5♑50	5°44	9°48	6° 6	20°45	28°47	27°38	6°56	14°47	23°10	21°49	13°55	7° 3	T 7
W 8	5 35 30	23°39'40	18°37	7°11	10°29	5°48	20°58	28°54	27°40	6°54	14°49	23° 5	21°46	14° 2	7° 1	W 8
T 9	5 39 26	24°40'52	1♒ 9	8°39	11°12	5°30	21°12	29° 1	27°42	6°53	14°51	23° 0	21°43	14° 9	6°59	T 9
F 10	5 43 23	25°42'05	13°27	10° 7	11°55	5°12	21°25	29° 7	27°44	6°51	14°53	22°54	21°40	14°16	6°57	F 10
S 11	5 47 19	26°43'17	25°32	11°36	12°40	4°56	21°39	29°14	27°46	6°49	14°55	22°49	21°37	14°22	6°55	S 11
S 12	5 51 16	27°44'29	7♓28	13° 5	13°26	4°40	21°52	29°20	27°48	6°48	14°57	22°45	21°33	14°29	6°53	S 12
M13	5 55 12	28°45'41	19°20	14°35	14°12	4°25	22° 6	29°27	27°50	6°46	14°59	22°43	21°30	14°36	6°52	M13
T 14	5 59 9	29°46'53	1♈12	16° 5	15° 0	4°11	22°20	29°33	27°52	6°44	15° 1	22°D42	21°27	14°42	6°50	T 14
W15	6 3 6	0♑48'05	13° 8	17°36	15°48	3°57	22°33	29°40	27°55	6°43	15° 3	22°43	21°24	14°49	6°49	W15
T 16	6 7 2	1°49'16	25°14	19° 7	16°38	3°44	22°47	29°46	27°57	6°41	15° 5	22°45	21°21	14°56	6°47	T 16
F 17	6 10 59	2°50'27	7♉36	20°38	17°28	3°32	23° 1	29°52	27°59	6°39	15° 6	22°46	21°18	15° 3	6°46	F 17
S 18	6 14 55	3°51'38	20°16	22°10	18°19	3°21	23°15	29°59	28° 2	6°38	15° 8	22°R47	21°14	15° 9	6°44	S 18
S 19	6 18 52	4°52'49	3♊18	23°42	19°10	3°11	23°28	0♐ 5	28° 4	6°36	15°10	22°47	21°11	15°16	6°43	S 19
M20	6 22 48	5°53'59	16°44	25°15	20° 3	3° 1	23°42	0°11	28° 6	6°34	15°12	22°44	21° 8	15°23	6°42	M20
T 21	6 26 45	6°55'09	0♋33	26°48	20°56	2°53	23°56	0°17	28° 9	6°33	15°13	22°40	21° 5	15°29	6°41	T 21
W22	6 30 41	7°56'18	14°43	28°21	21°50	2°45	24°10	0°23	28°11	6°31	15°15	22°33	21° 2	15°36	6°40	W22
T 23	6 34 38	8°57'28	29° 7	29°55	22°44	2°38	24°24	0°29	28°14	6°29	15°17	22°26	20°58	15°43	6°39	T 23
F 24	6 38 35	9°58'37	13♌41	1♑29	23°39	2°31	24°38	0°35	28°16	6°27	15°18	22°18	20°55	15°50	6°38	F 24
S 25	6 42 31	10°59'46	28°16	3° 4	24°35	2°26	24°52	0°41	28°19	6°26	15°20	22°11	20°52	15°56	6°37	S 25
S 26	6 46 28	12° 0'54	12♍47	4°39	25°31	2°21	25° 6	0°47	28°21	6°24	15°21	22° 5	20°49	16° 3	6°36	S 26
M27	6 50 24	13° 2'03	27° 9	6°15	26°28	2°17	25°20	0°53	28°24	6°22	15°23	22° 2	20°46	16°10	6°35	M27
T 28	6 54 21	14° 3'11	11♎18	7°51	27°26	2°14	25°34	0°59	28°27	6°21	15°24	22°D 1	20°43	16°16	6°34	T 28
W29	6 58 17	15° 4'19	25°14	9°28	28°24	2°12	25°48	1° 5	28°29	6°19	15°26	22° 1	20°39	16°23	6°34	W29
T 30	7 2 14	16° 5'27	8♏55	11° 5	29°22	2°10	26° 2	1°11	28°32	6°17	15°27	22° 2	20°36	16°30	6°33	T 30
F 31	7 6 10	17♑ 6'34	22♏24	12♑43	0♐21	2°D10	26♑16	1♐16	28♒35	6♋16	15♏29	22°R 3	20♏33	16♓37	6♉32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s51	8s45	3s18	18s18	1n22	10s58	2n48	24n11	2n27	22s34	0s27	18s 5	1n47	13s 6	0s45	22n29	0s52	2s47	14n 5	18s40	18s23	2s10	12n29	1s35
T 2	22 57	13 1	2 13	18 44	1 15	11 3	2 54	24 9	2 29	22 32	0 27	18 6	1 47	13 6	0 45	22 29	0 52	2 48	14 6	18 40	18 22	2 8	12 29	1 35
F 3	23 2	16 32	1 0	19 9	1 7	11 9	2 59	24 7	2 31	22 30	0 27	18 8	1 47	13 5	0 45	22 29	0 52	2 48	14 6	18 40	18 21	2 6	12 28	1 35
S 4	23 7	19 5	0n15	19 34	0 59	11 16	3 4	24 5	2 32	22 28	0 27	18 9	1 47	13 4	0 45	22 29	0 52	2 48	14 6	18 40	18 20	2 4	12 27	1 35
S 5	23 12	20 31	1 28	19 58	0 51	11 24	3 9	24 3	2 34	22 26	0 27	18 11	1 47	13 4	0 45	22 29	0 52	2 49	14 6	18 40	18 19	2 1	12 27	1 35
M 6	23 16	20 46	2 35	20 22	0 44	11 32	3 14	24 1	2 35	22 24	0 27	18 12	1 47	13 3	0 45	22 29	0 52	2 49	14 7	18 39	18 18	1 59	12 26	1 35
T 7	23 20	19 52	3 32	20 45	0 36	11 41	3 18	23 59	2 36	22 22	0 27	18 14	1 47	13 2	0 45	22 29	0 52	2 49	14 7	18 38	18 18	1 57	12 25	1 35
W 8	23 23	17 59	4 17	21 8	0 28	11 50	3 22	23 56	2 37	22 20	0 27	18 15	1 47	13 2	0 45	22 29	0 52	2 50	14 7	18 37	18 17	1 55	12 25	1 35
T 9	23 26	15 16	4 49	21 29	0 21	12 0	3 25	23 54	2 39	22 18	0 27	18 17	1 47	13 1	0 45	22 29	0 52	2 50	14 7	18 36	18 16	1 52	12 24	1 35
F 10	23 28	11 56	5 7	21 50	0 13	12 10	3 28	23 52	2 40	22 16	0 27	18 18	1 47	13 0	0 45	22 30	0 52	2 50	14 7	18 34	18 15	1 50	12 23	1 35
S 11	23 30	8 10	5 11	22 10	0 6	12 21	3 31	23 50	2 41	22 14	0 27	18 19	1 47	13 0	0 45	22 30	0 52	2 51	14 8	18 33	18 14	1 48	12 23	1 35
S 12	23 31	4 8	5 1	22 29	0s 1	12 32	3 34	23 48	2 41	22 12	0 27	18 21	1 47	12 59	0 45	22 30	0 52	2 51	14 8	18 32	18 13	1 45	12 22	1 35
M13	23 32	0n 2	4 39	22 47	0 8	12 43	3 36	23 46	2 42	22 10	0 28	18 22	1 47	12 58	0 44	22 30	0 52	2 51	14 8	18 31	18 13	1 43	12 22	1 35
T 14	23 32	4 12	4 4	23 4	0 15	12 55	3 39	23 44	2 43	22 8	0 28	18 23	1 47	12 57	0 44	22 30	0 52	2 52	14 8	18 31	18 12	1 41	12 21	1 35
W15	23 32	8 15	3 19	23 20	0 22	13 7	3 41	23 42	2 44	22 6	0 28	18 25	1 47	12 56	0 44	22 30	0 52	2 52	14 9	18 32	18 11	1 39	12 21	1 35
T 16	23 31	12 2	2 24	23 34	0 29	13 19	3 42	23 40	2 44	22 3	0 28	18 26	1 47	12 56	0 44	22 30	0 52	2 52	14 9	18 32	18 10	1 36	12 20	1 35
F 17	23 30	15 23	1 22	23 48	0 36	13 32	3 44	23 39	2 45	22 1	0 28	18 27	1 47	12 55	0 44	22 30	0 52	2 52	14 9	18 32	18 9	1 34	12 20	1 35
S 18	23 29	18 6	0 14	24 0	0 42	13 45	3 45	23 37	2 45	21 59	0 28	18 29	1 47	12 54	0 44	22 30	0 52	2 52	14 10	18 33	18 8	1 32	12 19	1 35
S 19	23 27	19 58	0s57	24 12	0 49	13 58	3 46	23 35	2 46	21 57	0 28	18 30	1 47	12 53	0 44	22 30	0 52	2 53	14 10	18 32	18 8	1 30	12 19	1 35
M20	23 24	20 47	2 6	24 22	0 55	14 11	3 47	23 34	2 46	21 54	0 28	18 31	1 47	12 52	0 44	22 31	0 52	2 53	14 10	18 32	18 7	1 27	12 18	1 35
T 21	23 21	20 22	3 10	24 30	1 1	14 24	3 47	23 32	2 46	21 52	0 28	18 32	1 47	12 51	0 44	22 31	0 52	2 53	14 11	18 31	18 6	1 25	12 18	1 35
W22	23 18	18 41	4 3	24 38	1 6	14 38	3 48	23 31	2 47	21 50	0 28	18 34	1 48	12 51	0 44	22 31	0 52	2 53	14 11	18 29	18 5	1 23	12 18	1 35
T 23	23 14	15 48	4 43	24 44	1 12	14 51	3 48	23 30	2 47	21 47	0 28	18 35	1 48	12 50	0 44	22 31	0 52	2 53	14 11	18 27	18 4	1 21	12 17	1 35
F 24	23 9	11 56	5 4	24 49	1 17	15 5	3 48	23 29	2 47	21 45	0 28	18 36	1 48	12 49	0 44	22 31	0 52	2 53	14 11	18 25	18 3	1 18	12 17	1 35
S 25	23 5	7 20	5 6	24 52	1 22	15 18	3 48	23 28	2 47	21 42	0 28	18 37	1 48	12 48	0 44	22 31	0 52	2 54	14 12	18 23	18 3	1 16	12 17	1 35
S 26	22 59	2 21	4 48	24 54	1 27	15 32	3 47	23 27	2 47	21 40	0 28	18 38	1 48	12 47	0 44	22 31	0 52	2 54	14 12	18 22	18 2	1 14	12 16	1 35
M27	22 54	2s43	4 12	24 55	1 32	15 46	3 47	23 26	2 47	21 37	0 29	18 40	1 48	12 46	0 44	22 31	0 52	2 54	14 13	18 21	18 1	1 12	12 16	1 35
T 28	22 47	7 34	3 21	24 54	1 36	15 59	3 46	23 25	2 47	21 35	0 29	18 41	1 48	12 45	0 44	22 31	0 52	2 54	14 13	18 21	18 0	1 9	12 16	1 35
W29	22 41	11 57	2 19	24 52	1 40	16 13	3 45	23 25	2 47	21 32	0 29	18 42	1 48	12 44	0 44	22 31	0 52	2 54	14 13	18 21	17 59	1 7	12 16	1 35
T 30	22 34	15 38	1 10	24 48	1 44	16 27	3 44	23 24	2 47	21 30	0 29	18 43	1 48	12 43	0 44	22 31	0 52	2 54	14 14	18 21	17 58	1 5	12 15	1 35
F 31	22s26	18s25	0n 2	24s42	1s47	16s40	3n43	23n24	2n47	21s27	0s29	18s44	1n48	12s42	0s44	22n32	0s52	2s54	14n14	18s21	17s58	1s 3	12n15	1s35

Julian Day Number = 2177589.5, Delta T = 11m46s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'49, Lahiri = 13°23'49 Julian Calendar 1 Dec. 1249 == Greg. Calendar 8 Dec. 1249

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